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Package com.telelogic.rhapsody.core

Interface Summary	
IRPAcceptEventAction	The IRPAcceptEventAction interface represents Accept Event Action elements in a statechart or activity diagram.
IRPAcceptTimeEvent	The IRPAcceptTimeEvent interface represents Accept Time Event elements in activity diagrams and statecharts.
IRPAction	The IRPAction interface represents the action defined for a transition in a statechart.
IRPActionBlock	The IRPActionBlock interface represents action blocks in sequence diagrams.
IRPActivityDiagram	The IRPActivityDiagram interface represents activity diagrams in Rhapsody models.
IRPActor	The IRPActor interface represents actors in Rhapsody models.
IRPAnnotation	The IRPAnnotation interface represents the different types of annotations you can add to your model - notes, comments, constraints, and requirements.
IRPApplication	The IRPApplication interface represents the Rhapsody application, and its methods reflect many of the commands that you can access from the Rhapsody menu bar.
IRPArgument	The IRPArgument interface represents an argument of an operation or an event.
IRPASCIIFile	
IRPAssociationClass	The IRPAssociationClass interface represents association classes in Rhapsody models.
IRPAssociationRole	The IRPAssociationRole interface represents the association roles that link objects in communication diagrams.
IRPAttribute	The IRPAttribute interface represents attributes of a class, and global variables.
IRPAXViewCtrl	
IRPBaseExternalCodeGeneratorTool	
IRPCallOperation	The IRPCallOperation interface represents call operation elements in activity diagrams.
IRPClass	The IRPClass interface represents classes in Rhapsody models.

Interface Summary	
<u>IRPClassifier</u>	Represents the features shared by elements such as classes, actors, use cases, and types.
<u>IRPClassifierRole</u>	The IRPClassifierRole interface represents lifelines in sequence diagrams and "objects" (lifelines) in communication diagrams.
<u>IRPCodeGenerator</u>	
<u>IRPCodeGenSimplifiersRegistry</u>	
<u>IRPCollaboration</u>	The IRPCollaboration interface represents the capabilities included in sequence diagrams and communications diagrams.
<u>IRPCollaborationDiagram</u>	The IRPCollaborationDiagram interface represents collaboration diagrams in a Rhapsody model.
<u>IRPCollection</u>	The IRPCollection interface contains methods used to store and manipulate collections of various types of elements that you may have in your Rational Rhapsody model.
<u>IRPComment</u>	The IRPComment interface represents comments in a Rhapsody model.
<u>IRPComponent</u>	The IRPComponent interface represents a code generation component defined in a Rhapsody model.
<u>IRPComponentDiagram</u>	The IRPComponentDiagram interface represents component diagrams in Rhapsody models.
<u>IRPComponentInstance</u>	
<u>IRPConditionMark</u>	The IRPConditionMark interface represents condition marks in sequence diagrams.
<u>IRPConfiguration</u>	The IRPConfiguration interface represents a code generation configuration within a specific component.
<u>IRPConnector</u>	The IRPConnector interface represents the characteristics shared by the various types of "connector" elements that can be included in a statechart, such as condition connectors, history connectors, join sync bar connectors, and fork sync bar connectors.
<u>IRPConstraint</u>	The IRPConstraint interface represents constraints in a Rhapsody model.
<u>IRPContextSpecification</u>	The IRPContextSpecification interface represents the exact context of an object in a hierarchy.
<u>IRPControlledFile</u>	The IRPControlledFile interface represents a controlled file in a Rhapsody model.
<u>IRPDependency</u>	The IRPDependency interface represents dependencies in a Rhapsody model.
<u>IRPDeploymentDiagram</u>	The IRPDeploymentDiagram interface represents deployment diagrams in Rhapsody models.

Interface Summary	
<u>IRPDestructionEvent</u>	The IRPDestructionEvent interface represents destruction events in sequence diagrams.
<u>IRPDiagram</u>	The IRPDiagram interface contains the methods shared by all the interfaces that represent specific types of diagrams.
<u>IRPDiagSynthAPI</u>	
<u>IRPEnumerationLiteral</u>	
<u>IRPEvent</u>	The IRPEvent interface represents events in Rhapsody models.
<u>IRPEventReception</u>	
<u>IRPExecutionOccurrence</u>	
<u>IRPExternalCheckRegistry</u>	
<u>IRPExternalCodeGeneratorInvoker</u>	
<u>IRPExternalIDERegistry</u>	
<u>IRPExternalRoundtripInvoker</u>	
<u>IRPFile</u>	The IRPFile interface represents a file or folder to be generated during code generation.
<u>IRPFileFragment</u>	
<u>IRPFlow</u>	
<u>IRPFlowchart</u>	The IRPFlowchart interface represents activities in Rhapsody models.
<u>IRPFlowItem</u>	The IRPFlowItem interface represents item flows in Rhapsody models.
<u>IRPGeneralization</u>	
<u>IRPGraphEdge</u>	
<u>IRPGraphElement</u>	
<u>IRPGraphicalProperty</u>	
<u>IRPGraphNode</u>	
<u>IRPGuard</u>	
<u>IRPHyperLink</u>	The IRPHyperLink interface represents hyperlinks in Rhapsody models.
<u>IRPImageMap</u>	
<u>IRPInstance</u>	
<u>IRPInstanceSlot</u>	
<u>IRPInstanceSpecification</u>	
<u>IRPInstanceValue</u>	

Interface Summary	
	The IRPInstanceValue interface is used in contexts where a single model element must be stored.
<u>IRPIntegrator</u>	
<u>IRPInteractionOccurrence</u>	
<u>IRPInteractionOperand</u>	The IRPInteractionOperand interface represents interaction operands in Rhapsody models.
<u>IRPInteractionOperator</u>	
<u>IRPInterfaceItem</u>	The IRPInterfaceItem interface represents the features shared by operations, events, and event receptions in Rhapsody models.
<u>IRPInternalOEMPlugin</u>	
<u>IRP.JavaPlugins</u>	
<u>IRPLink</u>	The IRPLink interface represents links in Rhapsody models.
<u>IRPLiteralSpecification</u>	The IRPLiteralSpecification interface is used in contexts where a single value must be stored.
<u>IRPMatrixLayout</u>	
<u>IRPMatrixView</u>	The IRPMatrixView interface represents Matrix View elements in Rhapsody models.
<u>IRPMessage</u>	
<u>IRPMessagePoint</u>	
<u>IRPModelElement</u>	The IRPModelElement interface represents an element in a Rhapsody model, and its methods reflect the behavior shared by the various types of model elements.
<u>IRPModule</u>	
<u>IRPNode</u>	
<u>IRPObjectModelDiagram</u>	The IRPObjectModelDiagram interface represents object model diagrams in Rhapsody models.
<u>IRPObjectNode</u>	The IRPObjectNode interface represents Object Node elements in activity diagrams.
<u>IRPOperation</u>	The IRPOperation interface represents operations of classes in Rhapsody models.
<u>IRPowListListener</u>	
<u>IRPowPaneMgr</u>	
<u>IRPowTextListener</u>	
<u>IRPPackage</u>	The IRPPackage interface represents packages in Rhapsody models.
<u>IRPPanelDiagram</u>	

Interface Summary	
	The IRPPanelDiagram interface represents panel diagrams in Rhapsody models.
<u>IRPPin</u>	The IRPPin interface represents action pins added to actions, or activity parameters added to action blocks, in an activity diagram.
<u>IRPPlugInWindow</u>	
<u>IRPPort</u>	The IRPPort interface represents ports in Rhapsody models.
<u>IRPProfile</u>	The IRPProfile interface represents profiles in Rhapsody models.
<u>IRPProgressBar</u>	
<u>IRPProject</u>	The IRPProject interface represents Rhapsody projects.
<u>IRPRelation</u>	Represents a relationship between two classes.
<u>IRPRequirement</u>	The IRPRequirement interface represents requirements in a Rhapsody model.
<u>IRPRhapsodyServer</u>	
<u>IRPRoundTrip</u>	
<u>IRPSearchManager</u>	IRPSearchManager is used to carry out a search in a Rhapsody model.
<u>IRPSearchQuery</u>	The IRPSearchQuery interface represents the search criteria objects that are used by IRPSearchManager to carry out searches.
<u>IRPSearchResult</u>	
<u>IRPSelection</u>	The IRPSelection interface contains methods for cutting, copying, pasting, and deleting graphic elements on diagrams.
<u>IRPSendAction</u>	The IRPSendAction interface represents Send Action elements in an activity or statechart.
<u>IRPSequenceDiagram</u>	The IRPSequenceDiagram interface represents sequence diagrams in a Rhapsody model.
<u>IRPState</u>	The IRPState interface represents states in a statechart.
<u>IRPStatechart</u>	The IRPStatechart interface represents the statechart elements underlying a statechart.
<u>IRPStatechartDiagram</u>	The IRPStatechartDiagram interface represents statecharts in a Rhapsody model.
<u>IRPStateVertex</u>	The IRPStateVertex interface represents the characteristics that are shared by various statechart elements such as states, join/fork connectors, and condition connectors.
<u>IRPStereotype</u>	The IRPStereotype interface represents stereotypes in Rhapsody models.
<u>IRPStructureDiagram</u>	The IRPStructureDiagram interface represents structure diagrams in a Rhapsody model.

Interface Summary	
<u>IRPSwimlane</u>	The IRPSwimlane interface represents swimlanes in an activity diagram.
<u>IRPSysMLPort</u>	The IRPSysMLPort interface represents flowport elements in Rhapsody models.
<u>IRPTableLayout</u>	
<u>IRPTableView</u>	The IRPTableView interface represents Table View elements in Rhapsody models.
<u>IRPTag</u>	The IRPTag interface represents tags in a Rhapsody model.
<u>IRPTemplateInstantiation</u>	
<u>IRPTemplateInstantiationParameter</u>	
<u>IRPTemplateParameter</u>	The IRPTemplateParameter interface represents parameters of a template in Rhapsody models.
<u>IRPTimingDiagram</u>	
<u>IRPTransition</u>	The IRPTransition interface represents transitions in a statechart.
<u>IRPTrigger</u>	The IRPTrigger interface represents the trigger of a transition in a statechart.
<u>IRPType</u>	
<u>IRPUnit</u>	The IRPUnit interface represents model elements that can be saved as separate files.
<u>IRPUseCase</u>	
<u>IRPUseCaseDiagram</u>	The IRPUseCaseDiagram interface represents use case diagrams in a Rhapsody model.
<u>IRPValueSpecification</u>	The interface IRPValueSpecification represents the UML concept of "value specification" and serves as the base interface for IRPContextSpecification, IRPInstanceValue, and IRPLiteralSpecification.
<u>IRPVariable</u>	The IRPVariable interface represents the characteristics shared by model elements such as attributes, variables, and arguments.

Class Summary	
<u>HYPNameType</u>	
<u>IRPApplication.AddToModel_Mode</u>	This class holds constant values to be used with addToModelEx method.
<u>IRPGraphElement.ImageLayout</u>	This class contains constant values for use with the method setImageLayout
<u>IRPMatrixLayout.QueryOrElementsList</u>	

Class Summary	
	This class contains constant values for use with the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList.
<u>IRPMatrixView.ContentFormat</u>	This class contains values that specify export format
<u>IRPModelElement.OSLCLink</u>	Constant values used with elements of this type
<u>IRPModelElement.OSLCLink.Types</u>	This class contains values that specify OSLC Types
<u>IRPSearchQuery.References</u>	
<u>IRPSearchQuery.References.QuantityOperator</u>	
<u>IRPSearchQuery.References.RelationKind</u>	
<u>IRPSearchQuery.SearchInField</u>	Constant values used with elements of this type
<u>IRPSearchQuery.SubQueriesOperator</u>	
<u>IRPSearchQuery.UnresolvedKind</u>	
<u>IRPSearchQuery.ViewsToSearch</u>	
<u>IRPTableLayout.Column</u>	This class holds constant values to be used with addColumn method.
<u>IRPTableLayout.Column.AnnotationAttribute</u>	Contains values to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.DependsOn</u>	Contains the pre-defined values to be used for Property parameter of addColumn method, when DependsOn is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.FlowAttribute</u>	Contains values to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.GeneralAttribute</u>	Contains values to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.ImplementationCellType</u>	
<u>IRPTableLayout.Column.RelationAttributeFrom</u>	Contains values to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.RelationAttributeTo</u>	Contains values to be used for Property parameter of addColumn method, when RelationAttributeTo is

Class Summary	
	selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.RequirementAttribute</u>	Contains values to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.Column.UserDefinedMethod</u>	Contains values to be used for Property parameter of addColumn method, when USER_DEFINED_METHOD is selected for the Type parameter of addColumn method.
<u>IRPTableLayout.QueryOrElementsList</u>	This class contains constant values for use with the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList.
<u>IRPTableView.ContentFormat</u>	This class contains values that specify export format
<u>RhapsodyAppServer</u>	The RhapsodyAppServer class contains methods relating to accessing an instance of Rhapsody.
<u>RhpClassLoader</u>	
<u>RhpUtils</u>	
<u>RPApplicationListener</u>	
<u>RPCCodeGeneratorListener</u>	
<u>RPCCodeGenSimplifier</u>	
<u>RPExtendedRPCClassesFactory</u>	
<u>RPEExternalCheck</u>	
<u>RPEExternalCodeGenerator</u>	
<u>RPEExternalIDEManager</u>	
<u>RPEExternalRoundtrip</u>	
<u>RPIntegratorListener</u>	
<u>RPJavaPluginsManager</u>	
<u>RPowPaneMgrEvents</u>	
<u>RPRoundTripListener</u>	
<u>RPRTCLListener</u>	
<u>RPSearchListener</u>	
<u>RPUserPlugin</u>	
<u>SearchFindAsEnum</u>	

Exception Summary

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class HYPNameType

java.lang.Object

└─ com.telelogic.rhapsody.core.HYPNameType

```
public class HYPNameType
extends java.lang.Object
```

Field Summary

static char	RP_HYP_FREETEXT show user defined name
static char	RP_HYP_LABELTEXT show hyperlink target label
static char	RP_HYP_NAMETEXT show hyperlink target name
static char	RP_HYP_TAGVALUETEXT show hyperlink target tag value

Constructor Summary

[HYPNameType](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

RP_HYP_FREETEXT

```
public static final char RP_HYP_FREETEXT
```

show user defined name

See Also:

[Constant Field Values](#)

RP_HYP_NAMETEXT

```
public static final char RP_HYP_NAMETEXT
```

show hyperlink target name

See Also:

[Constant Field Values](#)

RP_HYP_LABELTEXT

```
public static final char RP_HYP_LABELTEXT
```

show hyperlink target label

See Also:

[Constant Field Values](#)

RP_HYP_TAGVALUETEXT

```
public static final char RP_HYP_TAGVALUETEXT
```

show hyperlink target tag value

See Also:

[Constant Field Values](#)

Constructor Detail

HYPNameType

```
public HYPNameType ()
```

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com.telelogic.rhapsody.core Interface IRPAcceptEventAction

All Superinterfaces:

[IRPModelElement](#), [IRPState](#), [IRPStateVertex](#)

```
public interface IRPAcceptEventAction
extends IRPState
```

The IRPAcceptEventAction interface represents Accept Event Action elements in a statechart or activity diagram. To create an Accept Event Action element, use the method IRPFlowchart.addAcceptEventAction.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPEvent	getEvent () Returns the event that the action waits for.
void	setEvent (IRPEvent event) Specifies the event that the action should wait for.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)

[addActivityFinal](#), [addConnector](#), [addInternalTransition](#), [addState](#), [addStaticReaction](#), [addTerminationState](#), [createDefaultTransition](#), [createNestedStatechart](#), [deleteConnector](#), [deleteInternalTransition](#), [deleteStaticReaction](#), [getDefaultTransition](#), [getEntryAction](#), [getExitAction](#), [getFullNameInStatechart](#), [getInheritsFrom](#), [getInternalTransitions](#), [getIsOverridden](#), [getIsReferenceActivity](#), [getItsStatechart](#), [getItsSwimlane](#), [getLogicalStates](#), [getNestedStatechart](#), [getReferenceToActivity](#), [getSendAction](#), [getStateType](#), [getStaticReactions](#), [getSubStates](#), [getSubStateVertices](#), [getTheEntryAction](#), [getTheExitAction](#), [isAnd](#), [isCompound](#), [isLeaf](#), [isRoot](#), [isSendActionState](#), [overrideInheritance](#), [resetEntryActionInheritance](#), [resetExitActionInheritance](#), [setEntryAction](#), [setExitAction](#), [setInternalTransition](#), [setItsSwimlane](#), [setReferenceToActivity](#), [setStateType](#), [setStaticReaction](#), [unoverrideInheritance](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getEvent**

[IRPEvent](#) **getEvent** ()

Returns the event that the action waits for.

Returns:

the event that the action waits for

setEvent

void **setEvent** ([IRPEvent](#) event)

Specifies the event that the action should wait for.

Parameters:

event - the event that the action should wait for

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com.telelogic.rhapsody.core Interface IRPAcceptTimeEvent

All Superinterfaces:

[IRPModelElement](#), [IRPState](#), [IRPStateVertex](#)

```
public interface IRPAcceptTimeEvent
extends IRPState
```

The IRPAcceptTimeEvent interface represents Accept Time Event elements in activity diagrams and statecharts.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getDurationTime () Returns the duration that was specified for this element.
void	setDurationTime (java.lang.String durationTime) Specifies the duration that should be used for this element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)

[addActivityFinal](#), [addConnector](#), [addInternalTransition](#), [addState](#), [addStaticReaction](#), [addTerminationState](#), [createDefaultTransition](#), [createNestedStatechart](#), [deleteConnector](#), [deleteInternalTransition](#), [deleteStaticReaction](#), [getDefaultTransition](#), [getEntryAction](#), [getExitAction](#), [getFullNameInStatechart](#), [getInheritsFrom](#), [getInternalTransitions](#), [getIsOverridden](#), [getIsReferenceActivity](#), [getItsStatechart](#), [getItsSwimlane](#), [getLogicalStates](#), [getNestedStatechart](#), [getReferenceToActivity](#), [getSendAction](#), [getStateType](#), [getStaticReactions](#), [getSubStates](#), [getSubStateVertices](#), [getTheEntryAction](#), [getTheExitAction](#), [isAnd](#), [isCompound](#), [isLeaf](#), [isRoot](#), [isSendActionState](#), [overrideInheritance](#), [resetEntryActionInheritance](#), [resetExitActionInheritance](#), [setEntryAction](#), [setExitAction](#), [setInternalTransition](#), [setItsSwimlane](#), [setReferenceToActivity](#), [setStateType](#), [setStaticReaction](#), [unoverrideInheritance](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getDurationTime**

```
java.lang.String getDurationTime()
```

Returns the duration that was specified for this element.

Returns:

the duration that was specified for this element

setDurationTime

```
void setDurationTime(java.lang.String durationTime)
```

Specifies the duration that should be used for this element.

Parameters:

`durationTime` - the duration that should be used for this element

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com.telelogic.rhapsody.core Interface IRPAction

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPSendAction](#)

```
public interface IRPAction
extends IRPModelElement
```

The IRPAction interface represents the action defined for a transition in a statechart.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getBody () Gets the code defined as the action for the transition.
void	setBody (java.lang.String body) Used to specify the code that serves as the action for the transition.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getBody**

```
java.lang.String getBody()
```

Gets the code defined as the action for the transition.

Returns:

the code defined as the action for the transition.

setBody

```
void setBody(java.lang.String body)
```

Used to specify the code that serves as the action for the transition.

Parameters:

body - The code that should be used as the action for the transition.

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com.telelogic.rhapsody.core Interface IRPActionBlock

All Superinterfaces:

[IRPMessage](#), [IRPModelElement](#)

```
public interface IRPActionBlock
extends IRPMessage
```

The IRPActionBlock interface represents action blocks in sequence diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPMessage](#)

[addSourceExecutionOccurrence](#), [addTargetExecutionOccurrence](#), [getActualParameterList](#), [getCommunicationConnection](#), [getCondition](#), [getDurationConstraint](#), [getDurationObservation](#), [getFlowPort](#), [getFormalInterfaceItem](#), [getFormalType](#), [getInvariant](#), [getMessageType](#), [getPort](#), [getReturnValue](#), [getSequenceNumber](#), [getSignature](#), [getSource](#), [getSourceExecutionOccurrence](#), [getTarget](#), [getTargetExecutionOccurrence](#), [getTimeConstraint](#), [getTimeObservation](#), [getTimerValue](#), [reroute](#), [setActualParameterList](#), [setDurationConstraint](#), [setDurationObservation](#), [setFlowPort](#), [setFormalInterfaceItem](#), [setFormalType](#), [setInvariant](#), [setPort](#), [setReturnValue](#), [setTimeConstraint](#), [setTimeObservation](#), [setTimerValue](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),
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com.telelogic.rhapsody.core Interface IRPActivityDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPStatechartDiagram](#), [IRPUnit](#)

```
public interface IRPActivityDiagram
extends IRPStatechartDiagram
```

The IRPActivityDiagram interface represents activity diagrams in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

[IRPFlowchart](#)

[getFlowchart](#) ()

Returns the IRPFlowchart object underlying the activity diagram.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStatechartDiagram](#)

[addAndLine](#), [createGraphics](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getFlowchart**

[IRPFlowchart](#) `getFlowchart()`

Returns the IRPFlowchart object underlying the activity diagram.

Returns:

the IRPFlowchart object underlying the activity diagram

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com.telelogic.rhapsody.core Interface IRPActor

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPActor
extends IRPClassifier
```

The IRPActor interface represents actors in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPEventReception	addEventReceptionWithEvent (java.lang.String name, IRPEvent event) Adds a new event reception, using the specified event.
int	getIsBehaviorOverriden () Checks whether an actor does not inherit the behavior defined in the statechart of its base class.
void	setIsBehaviorOverriden (int isBehaviorOverriden) Specifies whether an actor should inherit the behavior defined in the statechart of its base class.
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the actor.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addEventReceptionWithEvent**

[IRPEventReception](#) **addEventReceptionWithEvent** (java.lang.String name, [IRPEvent](#) event)

Adds a new event reception, using the specified event.

Parameters:

name - the name to use for the new event reception

event - the event that should be associated with the new event reception

Returns:

the event reception that was created

Throws:

[RhapsodyRuntimeException](#)

getIsBehaviorOverriden

```
int getIsBehaviorOverriden()
```

Checks whether an actor does not inherit the behavior defined in the statechart of its base class. When you create a statechart for an actor, by default it inherits the behavior defined in the statechart of its base class. However, Rhapsody allows you to specify that the actor should not inherit this behavior. This operation checks whether this option has been exercised for the current actor.

Returns:

indication of whether or not the actor inherits the behavior specified in the statechart of its base class. 1 means that it does not inherit this behavior, 0 means that it does inherit the behavior defined in the statechart of the base class.

setIsBehaviorOverriden

```
void setIsBehaviorOverriden(int isBehaviorOverriden)
```

Specifies whether an actor should inherit the behavior defined in the statechart of its base class. When you create a statechart for an actor, by default it inherits the behavior defined in the statechart of its base class. However, Rhapsody allows you to specify that the actor should not inherit this behavior.

Parameters:

isBehaviorOverriden - use 1 if you do not want the actor to inherit the behavior defined in the statechart of its base class. Use 0 if you want the actor to inherit this behavior.

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the actor.

Parameters:

enforceUpdate - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPAnnotation

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPComment](#), [IRPConstraint](#), [IRPRequirement](#)

```
public interface IRPAnnotation
extends IRPUnit
```

The IRPAnnotation interface represents the different types of annotations you can add to your model - notes, comments, constraints, and requirements.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addAnchor (IRPModelElement target) Adds an anchor from the annotation to the specified model element.
IRPCollection	getAnchoredByMe () Gets the list of model elements that are anchored to the annotation.
java.lang.String	getBody () Gets the text of the specification for the annotation.
java.lang.String	getSpecification () Gets the text of the specification for the annotation.
java.lang.String	getSpecificationRTF () Returns the specification of the annotation in RTF format.
int	isSpecificationRTF () Checks whether the specification is in RTF format
void	removeAnchor (IRPModelElement target) Removes the anchor to the specified model element.

Method Summary

void	setBody (java.lang.String body) Adds a specification to the annotation.
void	setSpecification (java.lang.String specification) Adds a specification to the annotation.
void	setSpecificationRTF (java.lang.String specificationRTF) Specifies RTF string to use for the specification of the annotation.

Methods inherited from interface com.telelogic.rhapsody.core.IRPUnit

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.IRPModelElement

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addAnchor

```
void addAnchor(IRPModelElement target)
```

Adds an anchor from the annotation to the specified model element.

Parameters:

target - the model element the annotation should be anchored to

getAnchoredByMe

```
IRPCollection getAnchoredByMe ()
```

Gets the list of model elements that are anchored to the annotation.

Returns:

the model elements that are anchored to the annotation.

getBody

```
java.lang.String getBody ()
```

Gets the text of the specification for the annotation.

Returns:

the text of the specification for the annotation

getSpecification

```
java.lang.String getSpecification ()
```

Gets the text of the specification for the annotation.

Returns:

the text of the specification for the annotation

getSpecificationRTF

```
java.lang.String getSpecificationRTF ()
```

Returns the specification of the annotation in RTF format.

Returns:

the specification of the annotation in RTF format

isSpecificationRTF

```
int isSpecificationRTF ()
```

Checks whether the specification is in RTF format

Returns:

1 if the specification is in RTF format, 0 otherwise

removeAnchor

void **removeAnchor**([IRPModelElement](#) target)

Removes the anchor to the specified model element.

Parameters:

target - the model element for which the anchor should be removed

setBody

void **setBody**(java.lang.String body)

Adds a specification to the annotation.

Parameters:

body - the text to use as the specification

setSpecification

void **setSpecification**(java.lang.String specification)

Adds a specification to the annotation.

Parameters:

specification - the text to use as the specification

setSpecificationRTF

void **setSpecificationRTF**(java.lang.String specificationRTF)

Specifies RTF string to use for the specification of the annotation.

Parameters:

specificationRTF - the RTF string to use for the specification of the annotation

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com.telelogic.rhapsody.core Class IRPApplication.AddToModel_Mode

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPApplication.AddToModel_Mode

Enclosing interface:

[IRPApplication](#)

```
public static final class IRPApplication.AddToModel_Mode
extends java.lang.Object
```

This class holds constant values to be used with addToModelEx method.

Field Summary

static int	AS REFERENCE A reference to the unit should be added to the model (unit cannot be modified).
static int	AS UNIT WITH COPY The unit should be added to the model and its file should be copied to the project directory.
static int	AS UNIT WITHOUT COPY The unit should be added to the model as an editable unit, but its file should not be copied to the project directory.

Constructor Summary

[IRPApplication.AddToModel_Mode](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

AS_UNIT_WITH_COPY

```
public static final int AS_UNIT_WITH_COPY
```

The unit should be added to the model and its file should be copied to the project directory.

See Also:

[Constant Field Values](#)

AS_UNIT_WITHOUT_COPY

```
public static final int AS_UNIT_WITHOUT_COPY
```

The unit should be added to the model as an editable unit, but its file should not be copied to the project directory.

See Also:

[Constant Field Values](#)

AS_REFERENCE

```
public static final int AS_REFERENCE
```

A reference to the unit should be added to the model (unit cannot be modified).

See Also:

[Constant Field Values](#)

Constructor Detail

IRPApplication.AddToModel_Mode

```
public IRPApplication.AddToModel_Mode ()
```

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com.telelogic.rhapsody.core Interface IRPApplication

```
public interface IRPApplication
```

The IRPApplication interface represents the Rhapsody application, and its methods reflect many of the commands that you can access from the Rhapsody menu bar.

Nested Class Summary

static class	IRPApplication.AddToModel_Mode This class holds constant values to be used with addToModelEx method.
--------------	---

Method Summary

IRPProject	activeProject () Returns an IRPProject object representing the project currently open in Rhapsody
IRPUnit	addProfileToModel (java.lang.String profileName) addProfileToModel
void	addSelectedToFavorites () Adds the currently selected item to the Favorites list.
void	addToModel (java.lang.String filename, int withDescendant) add To Model
void	addToModelByReference (java.lang.String filename) add To Model by reference
void	addToModelEx (java.lang.String filename, int addToModelMode, int addSubUnits, int addDependents) Adds a unit to the model.
void	addToModelFromURL (java.lang.String purl) add To Model From URL
void	allowBrowserRefresh (int shouldRefresh) allowBrowserRefresh
void	allowGERefresh (int shouldRefresh) allowGERefresh
void	

Method Summary	
	<u>applyNewTermsProfile</u> (java.lang.String profileName) Called to apply a NewTerms Profile to the active project
void	<u>arcCheckOut</u> (java.lang.String filename, java.lang.String label, int isLocked, int isRecursive) archive Check Out
void	<u>bringWindowToTop</u> () bring window to top
void	<u>build</u> () Builds an application using the active component and configuration.
void	<u>buildEntireProject</u> () buildEntireProject
void	<u>buildWithDependencies</u> () buildWithDependencies
int	<u>canRedo</u> () Check if Redo action is available
int	<u>canUndo</u> () Check if Undo action is available
void	<u>checkIn</u> (java.lang.String unitName, java.lang.String label, int isLocked, int isRecursive, java.lang.String description) check In
void	<u>checkModel</u> () check model
void	<u>checkOut</u> (java.lang.String unitName, java.lang.String label, int isLocked, int isRecursive) check Out
void	<u>clean</u> () clean
void	<u>clearOutputWindow</u> (java.lang.String title) clear output window
void	<u>closeAllAnimatedSequenceDiagrams</u> (int withSave) Close All Animated Sequence diagrams without save
void	<u>compareSequenceDiagram</u> (<u>IRPSequenceDiagram</u> leftDiagram, <u>IRPSequenceDiagram</u> rightDiagram) Compares the two sequence diagrams specified as parameters.
void	<u>connectToArchive</u> (java.lang.String archivePath) connect To Archive
void	<u>connectToImportedModel</u> (java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName)

Method Summary	
	Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	connectToTarget (java.lang.String targetName) connectToTarget
int	createAndInsertProject (java.lang.String projectLocation, java.lang.String projectName) Create a new project and insert it into current workspace
void	createDomainFromProfile (IRPPProfile profileArg, java.lang.String serverURL) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
IRPCollection	createNewCollection () creates a new Rhapsody collection object
void	createNewProject (java.lang.String projectLocation, java.lang.String projectName) Creates a new Rhapsody project
void	dbgCheckComIn (short i) For debug - check communication in
short	dbgCheckComOut () For debug - check communication out
void	deferredAddToModel (java.lang.String filename, int withDescendants, java.lang.String origPrjId, int eraseDir) Add Rhapsody unit to current project
int	deleteProjectFromList (java.lang.String projectName) Delete specified project from current workspace
void	disconnectFromTarget () disconnectFromTarget
void	dMRefreshRecursive (IRPUnit pUnit) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	dMSyncAndRefresh (IRPPProject projectArg, int sync, int refresh) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	downloadToTarget (java.lang.String filename) downloadToTarget
void	endUndoTransaction () end undo transaction
void	enterAnimationCommand (java.lang.String command) enter Animation Command

Method Summary	
java.lang.String	errorMessage () Returns error message for last method called.
void	executeCommand (java.lang.String commandType, IRPCollection pCommandInitialization, IRPCollection pCommandResult) method execute command
int	executeCommandLine (java.lang.String commandLine) Execute command line
void	executeTransformationSequence (java.lang.String transformationSequence, int showTransformedModelPackage) Carries out model transformations in AUTOSAR projects that use one of the AR_BMT profiles for code generation.
java.lang.String	expandStringKeywords (java.lang.String theString) expand environment-variable keywords in the provided string
java.lang.String	fixpack () Get Rhapsody fixpack
void	forceOutput2Console (int val) Force output to system console
void	forceRoundtrip () forceRoundtrip
void	forceRoundtripElements (IRPCollection elements) method forceRoundtripElements
void	generate () Generates code for the entire project, using the active component and configuration.
void	generateElements (IRPCollection elements) method generateElements
void	generateEntireProject () generateEntireProject
void	generateMainAndMakeFiles () Generate Main and Make Files
void	generateWithDependencies () generateWithDependencies
java.lang.String	getApplicationConnectionString () getApplicationConnectionString
void	getApplicationName (java.lang.String applicationName, java.lang.String productRCPName) Get application name
java.lang.String	getApplicationRoot () Gets the full path of the Rhapsody installation folder.

Method Summary	
int	getApplicationStatus () getApplicationStatus
java.lang.String	getBuildNo () get property BuildNo
IRPCodeGenSimplifiersRegistry	getCodeGenSimplifiersRegistry () get the code generation simplifiers registry
IRPDiagram	getDiagramOfSelectedElement () get diagram of selected element
IRPDiaqSynthAPI	getDiagSynthAPI (java.lang.String clientName) for internal use
int	getDMBoolProperty (java.lang.String pKey) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
java.lang.String	getDMModelWorkspaceFolder () Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
java.lang.String	getDMProperty (java.lang.String pKey) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
java.lang.String	getErrorMessage () Returns error message for last method called.
java.lang.String	getExecutableFolder () getExecutableFolder
IRPExternalCheckRegistry	getExternalCheckerRegistry () get the External Checker registry
IRPExternalIDERegistry	getExternalIDERegistry (java.lang.String clientID) get the External IDE registry
IRPExternalRoundtripInvoker	getExternalRoundtripInvoker () getExternalRoundtripInvoker
java.lang.String	getIniFileParameterValue (java.lang.String sectionName, java.lang.String paramName) getIniFileParameterValue
java.lang.String	getInterfaceName () get property interfaceName
int	getIsHiddenUI () get property isHiddenUI
int	getIsLoadOnDemand () get property isLoadOnDemand
java.lang.String	getLanguage () get property Language

Method Summary	
IRPCollection	getListOfFactoryProperties () get list of factory properties
IRPCollection	getListOfSelectedElements () get list of selected elements
IRPCollection	getListOfSiteProperties () get list of site properties
java.lang.String	getLocaleName () Returns the locale for the version of Rhapsody running.
java.lang.String	getLogRoot () Gets the full path of the folder used for the Rhapsody log files.
IRPModelElement	getModelElementFromSource (java.lang.String sourceData, int isSourceDataIsfileName, int lineNumber) Find model element from source code
java.lang.String	getOMROOT () get property OMROOT
java.lang.String	getOutputWindowText () Returns the text displayed in the output window.
IRPowPaneMgr	getOWPaneMgr (java.lang.String clientID) For internal use only.
IRPPlugInWindow	getPlugInWindow (int nPlugInID, int nWindowID, int nCreateNew) PlugIn window factory
IRPCollection	getProjects () get property projects
long	getRhapsodyHandleErrorFunction () getRhapsodyHandleErrorFunction
long	getRhapsodyHandleErrorFunctionLong () getRhapsodyHandleErrorFunctionLong
IRPSearchManager	getSearchManager () get Rhapsody search manager
IRPModelElement	getSelectedElement () get selected element
IRPCollection	getSelectedGraphElements () get selected graph elements
IRPSelection	getSelection () Gets the currently-selected graphic elements.
java.lang.String	getSerialNo () get property SerialNo
IRPCodeGenerator	

Method Summary	
	getTheCodeGeneratorInterface () get codegeneration interface
IRPEXternalCodeGeneratorInvoker	getTheExternalCodeGeneratorInvoker () get external code generator invoker
IRPIntegrator	getTheIntegratorInterface () get integrator interface
IRPJavaPlugins	getTheJavaPluginsInterface () getTheJavaPluginsInterface
IRPRoundTrip	getTheRoundtripInterface () get roundtrip interface
java.lang.String	getToolSet () get property ToolSet
java.lang.String	getUserDataRoot () Gets the full path of the folder where the Rhapsody data files were installed.
java.lang.String	getUserOMROOT () Gets the full path of the UserShare folder of the Rhapsody installation.
void	highlightByHandle (java.lang.String strHandle) highlight by handle
void	highLightElement (IRPModelElement val) highlight element
void	importClasses () import Classes
IRPProject	importDesignManagerModel (java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName, java.lang.String saveasDirectory, int includeLinks) Imports a Rhapsody Design Manager model into a new Rhapsody project.
void	importSyncSimulinkBlock2 (IRPModelElement simulinkBlock, java.lang.String matlabExePath, java.lang.String simMdlFile, java.lang.String simSrcFiles, java.lang.String sampleTime) Imports a Simulink model into a Rhapsody model.
void	importTlb (java.lang.String pPath) import tlb
IRPProject	insertProject (java.lang.String filename) Insert existing project into current workspace
IRPProject	insertProjectFromDesignManager (java.lang.String userName, java.lang.String passwd, java.lang.String serverURL, java.lang.String projectAreaName,

Method Summary	
	java.lang.String streamName, java.lang.String modelName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	invokePluginsMethod (java.lang.String methodName) invoke Plugins Method
void	invokeRPE () Opens the Rhapsody Report Generator wizard.
int	isRhapsodyCL () Is RhapsodyCL
int	isRhapsodyFileType (java.lang.String extension) Check if specified extension corresponds to any Rhapsody unit type
int	loginToDesignManagerWithAlias (java.lang.String serverURL, java.lang.String alias) Used to log in to a Design Manager server.
int	loginToDesignManagerWithCertificate (java.lang.String serverURL, java.lang.String certificateLocation, java.lang.String password) Used to log in to a Design Manager server.
int	loginToDesignManagerWithUsername (java.lang.String serverURL, java.lang.String userName, java.lang.String password) Used to log in to a Design Manager server.
void	make () make
void	mergeElements (IRPModelElement left, IRPModelElement right) mergeElements
IRPProject	newProjectOnDesignManager (java.lang.String userName, java.lang.String password, java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	notifyFileChanged (java.lang.String filename, int contentChanged) File change notification
IRPAXViewCtrl	openActiveXView (java.lang.String viewType, IRPCollection pViewInitialization, IRPCollection pExtra) Open ActivexView
void	openAdvancedSearchAndReplaceDialog () Open Advanced Search and Replace dialog
IRPAXViewCtrl	openDiagramView (IRPDiagram diagram) method OpenDiagramView

Method Summary	
void	openFileList (java.lang.String filename) method openFileList
IRPPProject	openProject (java.lang.String filename) Opens an existing Rhapsody project
IRPPProject	openProjectFromDesignManager (java.lang.String userName, java.lang.String password, java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
IRPPProject	openProjectFromDesignManagerAfterLogin (java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	openProjectFromURL (java.lang.String purl) open Project From URL
IRPPProject	openProjectWithLastSession (java.lang.String filename) open project with last session
IRPPProject	openProjectWithoutSubUnits (java.lang.String filename) open project without subunits
void	quit () quit application
void	rebuild () rebuild
void	rebuildEntireProject () rebuildEntireProject
void	rebuildWithDependencies () rebuildWithDependencies
int	redo () Perform Redo
void	refactorSelectedOperation (java.lang.String newName) Changes the name of the currently-selected operation and updates any references to the operation accordingly.
void	refreshAllViews () refresh all views
void	regenerate () regenerate
void	regenerateElements (IRPCollection elements) method regenerateElements
void	

Method Summary	
	<u>regenerateEntireProject</u> () regenerateEntireProject
void	<u>regenerateWithDependencies</u> () regenerateWithDependencies
void	<u>registerCOMClient</u> (int processID, java.lang.String clientFilename, int magicNumber) register COM client
void	<u>report</u> (java.lang.String format, java.lang.String outputFileName) report
void	<u>rhpCheckinLicense</u> (java.lang.String feature) checkin license
java.lang.String	<u>rhpCheckoutLicense</u> (java.lang.String feature) checkout license
void	<u>roundtrip</u> () roundtrip
void	<u>roundtripElements</u> (<u>IRPCollection</u> elements) method roundtripElements
void	<u>runApplication</u> () Runs the application that was built for the project
void	<u>runHelper</u> (java.lang.String helperName) runHelper
void	<u>runHelperWithParameters</u> (java.lang.String helperName, java.lang.String params) runHelperWithParameters
void	<u>saveAll</u> () method saveAll
void	<u>selectGraphElements</u> (<u>IRPCollection</u> graphElements) Selects multiple elements in the most recently opened diagram.
void	<u>selectModelElements</u> (<u>IRPCollection</u> modelElements) Selects multiple items in the model browser.
void	<u>setApplicationStatus</u> (int nStatus) setApplicationStatus
void	<u>setComponent</u> (java.lang.String component) set Component
void	<u>setConfiguration</u> (java.lang.String configuration) set Configuration
void	<u>setDMBoolProperty</u> (java.lang.String pKey, int val) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

Method Summary	
void	setDMProperty (java.lang.String pKey, java.lang.String val) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	setHiddenUI (boolean pVal) set property hiddenUI
void	setIsLoadOnDemand (int isLoadOnDemand) set property isLoadOnDemand
void	setLanguage (java.lang.String language) set property Language
void	setLog (java.lang.String logFile) set log file
void	setToolSet (java.lang.String toolSet) set property ToolSet
void	setUpdateRecentFileList (int shouldUpdate) setUpdateRecentFileList
void	startUndoTransaction () start undo transaction
void	syncBuild () syncBuild
void	terminateApplication () Terminate the Application
int	undo () Perform Undo
void	unloadFromTarget () unloadFromTarget
void	unregisterCOMClient (int processID, java.lang.String clientFilename, int magicNumber) unregister COM client
java.lang.String	version () Get Rhapsody version
java.lang.String	versionNumberLong () Get Rhapsody versionNumberLong
void	writeToOutputWindow (java.lang.String title, java.lang.String outputStr) Writes text to Rhapsody's Output window.

Method Detail

executeCommand

```
void executeCommand(java.lang.String commandType,  
                    IRPCollection pCommandInitialization,  
                    IRPCollection pCommandResult)
```

method execute command

Throws:

[RhapsodyRuntimeException](#)

getPlugInWindow

```
IRPPlugInWindow getPlugInWindow(int nPlugInID,  
                                 int nWindowID,  
                                 int nCreateNew)
```

PlugIn window factory

Throws:

[RhapsodyRuntimeException](#)

openActiveXView

```
IRPAXViewCtrl openActiveXView(java.lang.String viewType,  
                               IRPCollection pViewInitialization,  
                               IRPCollection pExtra)
```

Open ActivexView

Throws:

[RhapsodyRuntimeException](#)

openDiagramView

```
IRPAXViewCtrl openDiagramView(IRPDiagram diagram)
```

method OpenDiagramView

Throws:

[RhapsodyRuntimeException](#)

rhpCheckinLicense

```
void rhpCheckinLicense(java.lang.String feature)
```

checkin license

Throws:

[RhapsodyRuntimeException](#)

rhpCheckoutLicense

java.lang.String **rhpCheckoutLicense**(java.lang.String feature)

checkout license

Throws:

[RhapsodyRuntimeException](#)

activeProject

[IRPPProject](#) **activeProject**()

Returns an IRPPProject object representing the project currently open in Rhapsody

Returns:

IRPPProject object that represents the project currently open in Rhapsody

addProfileToModel

[IRPUnit](#) **addProfileToModel**(java.lang.String profileName)

addProfileToModel

Throws:

[RhapsodyRuntimeException](#)

addSelectedToFavorites

void **addSelectedToFavorites**()

Adds the currently selected item to the Favorites list.

addToModel

void **addToModel**(java.lang.String filename,
int withDescendant)

add To Model

Throws:

[RhapsodyRuntimeException](#)

addToModelByReference

void **addToModelByReference**(java.lang.String filename)

add To Model by reference

Throws:

[RhapsodyRuntimeException](#)

addToModelEx

```
void addToModelEx(java.lang.String filename,  
                  int addToModelMode,  
                  int addSubUnits,  
                  int addDependents)
```

Adds a unit to the model.

Parameters:

filename - the full path to the file to add to the model

addToModelMode - how the unit should be added to the model - see

[IRPApplication.AddToModel_Mode](#) for the available values

addSubUnits - use 1 if you want to also add the sub-units of the unit, 0 otherwise (this parameter is ignored if the addToModelMode parameter equals

IRPApplication.AddToModel_Mode.AS_UNIT_WITHOUT_COPY)

addDependents - use 1 if you want to also add the units that elements in the specified unit are dependent upon, 0 otherwise (this parameter is ignored if the addToModelMode parameter equals IRPApplication.AddToModel_Mode.AS_UNIT_WITHOUT_COPY)

addToModelFromURL

```
void addToModelFromURL(java.lang.String purl)
```

add To Model From URL

Throws:

[RhapsodyRuntimeException](#)

allowBrowserRefresh

```
void allowBrowserRefresh(int shouldRefresh)
```

allowBrowserRefresh

Throws:

[RhapsodyRuntimeException](#)

allowGRefresh

```
void allowGRefresh(int shouldRefresh)
```

allowGRefresh

Throws:

[RhapsodyRuntimeException](#)

applyNewTermsProfile

```
void applyNewTermsProfile(java.lang.String profileName)
```

Called to apply a NewTerms Profile to the active project

Throws:

[RhapsodyRuntimeException](#)

arcCheckOut

```
void arcCheckOut(java.lang.String filename,  
                 java.lang.String label,  
                 int isLocked,  
                 int isRecursive)
```

archive Check Out

Throws:

[RhapsodyRuntimeException](#)

bringWindowToTop

```
void bringWindowToTop()
```

bring window to top

Throws:

[RhapsodyRuntimeException](#)

build

```
void build()
```

Builds an application using the active component and configuration. Use IRPPProject.setActiveComponent and IRPPProject.setActiveConfiguration to change the active component and configuration if necessary before calling the build method.

buildEntireProject

```
void buildEntireProject()
```

buildEntireProject

Throws:

[RhapsodyRuntimeException](#)

buildWithDependencies

void **buildWithDependencies**()

buildWithDependencies

Throws:

[RhapsodyRuntimeException](#)

canRedo

int **canRedo**()

Check if Redo action is available

Throws:

[RhapsodyRuntimeException](#)

canUndo

int **canUndo**()

Check if Undo action is available

Throws:

[RhapsodyRuntimeException](#)

checkIn

```
void checkIn(java.lang.String unitName,  
             java.lang.String label,  
             int isLocked,  
             int isRecursive,  
             java.lang.String description)
```

check In

Throws:

[RhapsodyRuntimeException](#)

checkModel

void **checkModel**()

check model

Throws:

[RhapsodyRuntimeException](#)

checkOut

```
void checkOut (java.lang.String unitName,  
              java.lang.String label,  
              int isLocked,  
              int isRecursive)
```

check Out

Throws:

[RhapsodyRuntimeException](#)

clean

```
void clean()
```

clean

Throws:

[RhapsodyRuntimeException](#)

clearOutputWindow

```
void clearOutputWindow (java.lang.String title)
```

clear output window

Throws:

[RhapsodyRuntimeException](#)

closeAllAnimatedSequenceDiagrams

```
void closeAllAnimatedSequenceDiagrams (int withSave)
```

Close All Animated Sequence diagrams without save

Throws:

[RhapsodyRuntimeException](#)

compareSequenceDiagram

```
void compareSequenceDiagram (IRPSequenceDiagram leftDiagram,  
                             IRPSequenceDiagram rightDiagram)
```

Compares the two sequence diagrams specified as parameters. Corresponds to the Sequence Diagram Compare option in the Tools menu.

Parameters:

leftDiagram - the first diagram to use for the comparison

rightDiagram - the second diagram to use for the comparison

connectToArchive

```
void connectToArchive (java.lang.String archivePath)
```

connect To Archive

Throws:

[RhapsodyRuntimeException](#)

connectToImportedModel

@Deprecated

```
void connectToImportedModel (java.lang.String serverURL,  
                             java.lang.String projectAreaName,  
                             java.lang.String streamName)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

connectToTarget

```
void connectToTarget (java.lang.String targetName)
```

connectToTarget

Throws:

[RhapsodyRuntimeException](#)

createAndInsertProject

```
int createAndInsertProject (java.lang.String projectLocation,  
                            java.lang.String projectName)
```

Create a new project and insert it into current workspace

Throws:

[RhapsodyRuntimeException](#)

createDomainFromProfile

@Deprecated

```
void createDomainFromProfile (IRPPProfile profileArg,  
                              java.lang.String serverURL)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

createNewCollection

```
IRPCollection createNewCollection ()
```

creates a new Rhapsody collection object

Returns:

IRPCollection object that represents the collection that was created. After creating a collection, you can add items to it by calling `IRPCollection.addItem` or by calling `IRPCollection.setSize` and then `IRPCollection.setModelElement`.

createNewProject

```
void createNewProject (java.lang.String projectLocation,  
                      java.lang.String projectName)
```

Creates a new Rhapsody project

Parameters:

`projectLocation` - the directory where the project should be saved, for example, "I:\\temp_sample_code"

`projectName` - the name to use for the project. This will be the name used for the .rpy file.

dMRefreshRecursive

@Deprecated

```
void dMRefreshRecursive (IRPUnit pUnit)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

dMSyncAndRefresh

@Deprecated

```
void dMSyncAndRefresh (IRPPProject projectArg,  
                      int sync,  
                      int refresh)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

dbgCheckComIn

```
void dbgCheckComIn (short i)
```

For debug - check communication in

Throws:

[RhapsodyRuntimeException](#)

dbgCheckComOut

```
short dbgCheckComOut ()
```

For debug - check communication out

Throws:

[RhapsodyRuntimeException](#)

deferredAddToModel

```
void deferredAddToModel (java.lang.String filename,  
                        int withDescendants,  
                        java.lang.String origPrjId,  
                        int eraseDir)
```

Add Rhapsody unit to current project

Throws:

[RhapsodyRuntimeException](#)

deleteProjectFromList

```
int deleteProjectFromList (java.lang.String projectName)
```

Delete specified project from current workspace

Throws:

[RhapsodyRuntimeException](#)

disconnectFromTarget

```
void disconnectFromTarget ()
```

disconnectFromTarget

Throws:

[RhapsodyRuntimeException](#)

downloadToTarget

```
void downloadToTarget (java.lang.String filename)
```

downloadToTarget

Throws:

[RhapsodyRuntimeException](#)

endUndoTransaction

```
void endUndoTransaction ()
```

end undo transaction

Throws:

[RhapsodyRuntimeException](#)

enterAnimationCommand

```
void enterAnimationCommand(java.lang.String command)
```

enter Animation Command

Throws:

[RhapsodyRuntimeException](#)

errorMessage

```
java.lang.String errorMessage()
```

Returns error message for last method called. If the last method completed successfully, then this method returns an empty string. To get the correct error message for a method, errorMessage() must be called immediately after the method is called.

Returns:

the error message for the last method called

executeCommandLine

```
int executeCommandLine(java.lang.String commandLine)
```

Execute command line

Throws:

[RhapsodyRuntimeException](#)

executeTransformationSequence

```
void executeTransformationSequence(java.lang.String transformationSequence,
                                   int showTransformedModelPackage)
```

Carries out model transformations in AUTOSAR projects that use one of the AR_BMT profiles for code generation. For more information on model transformation, see the help topic titled "Generating code with the Transformation Manager".

Parameters:

transformationSequence - comma-separated list of defined transformers

showTransformedModelPackage - use 1 to retain the last transformed model, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

expandStringKeywords

```
java.lang.String expandStringKeywords(java.lang.String theString)
```

expand environment-variable keywords in the provided string

Throws:

[RhapsodyRuntimeException](#)

fixpack

java.lang.String **fixpack**()

Get Rhapsody fixpack

Throws:

[RhapsodyRuntimeException](#)

forceOutput2Console

void **forceOutput2Console**(int val)

Force output to system console

Throws:

[RhapsodyRuntimeException](#)

forceRoundtrip

void **forceRoundtrip**()

forceRoundtrip

Throws:

[RhapsodyRuntimeException](#)

forceRoundtripElements

void **forceRoundtripElements**([IRPCollection](#) elements)

method forceRoundtripElements

Throws:

[RhapsodyRuntimeException](#)

generate

void **generate**()

Generates code for the entire project, using the active component and configuration. Use `IRPProject.setActiveComponent` and `IRPProject.setActiveConfiguration` to change the active component and configuration if necessary before calling the generate method.

generateElements

void **generateElements** ([IRPCollection](#) elements)

method generateElements

Throws:

[RhapsodyRuntimeException](#)

generateEntireProject

void **generateEntireProject** ()

generateEntireProject

Throws:

[RhapsodyRuntimeException](#)

generateMainAndMakeFiles

void **generateMainAndMakeFiles** ()

Generate Main and Make Files

Throws:

[RhapsodyRuntimeException](#)

generateWithDependencies

void **generateWithDependencies** ()

generateWithDependencies

Throws:

[RhapsodyRuntimeException](#)

getApplicationConnectionString

java.lang.String **getApplicationConnectionString** ()

getApplicationConnectionString

Throws:

[RhapsodyRuntimeException](#)

getApplicationName

void **getApplicationName** (java.lang.String applicationName,
java.lang.String productRCPName)

Get application name

Throws:

[RhapsodyRuntimeException](#)

getApplicationRoot

java.lang.String **getApplicationRoot** ()

Gets the full path of the Rhapsody installation folder.

Returns:

the full path of the Rhapsody installation folder

getApplicationStatus

int **getApplicationStatus** ()

getApplicationStatus

Throws:

[RhapsodyRuntimeException](#)

getBuildNo

java.lang.String **getBuildNo** ()

get property BuildNo

Throws:

[RhapsodyRuntimeException](#)

getCodeGenSimplifiersRegistry

[IRPCodeGenSimplifiersRegistry](#) **getCodeGenSimplifiersRegistry** ()

get the code generation simplifiers registry

Throws:

[RhapsodyRuntimeException](#)

getDMBoolProperty

@Deprecated

int **getDMBoolProperty** (java.lang.String pKey)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

getDMModelWorkspaceFolder

@Deprecated
java.lang.String **getDMModelWorkspaceFolder**()

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

getDMPProperty

@Deprecated
java.lang.String **getDMPProperty**(java.lang.String pKey)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

getDiagSynthAPI

[IRPDiagSynthAPI](#) **getDiagSynthAPI**(java.lang.String clientName)

for internal use

Throws:

[RhapsodyRuntimeException](#)

getDiagramOfSelectedElement

[IRPDiagram](#) **getDiagramOfSelectedElement**()

get diagram of selected element

Throws:

[RhapsodyRuntimeException](#)

getErrorMessage

java.lang.String **getErrorMessage**()

Returns error message for last method called. If the last method completed successfully, then this method returns an empty string. To get the correct error message for a method, `errorMessage()` must be called immediately after the method is called.

Returns:

the error message for the last method called

getExecutableFolder

java.lang.String **getExecutableFolder**()

getExecutableFolder

Throws:

getDMModelWorkspaceFolder

[RhapsodyRuntimeException](#)

getExternalCheckerRegistry

[IRPEExternalCheckRegistry](#) `getExternalCheckerRegistry()`

get the External Checker registry

Throws:

[RhapsodyRuntimeException](#)

getExternalIDERegistry

[IRPEExternalIDERegistry](#) `getExternalIDERegistry(java.lang.String clientID)`

get the External IDE registry

Throws:

[RhapsodyRuntimeException](#)

getExternalRoundtripInvoker

[IRPEExternalRoundtripInvoker](#) `getExternalRoundtripInvoker()`

getExternalRoundtripInvoker

Throws:

[RhapsodyRuntimeException](#)

getIniFileParameterValue

java.lang.String `getIniFileParameterValue(java.lang.String sectionName,
java.lang.String paramName)`

getIniFileParameterValue

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String `getInterfaceName()`

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getIsHiddenUI

int **getIsHiddenUI**()

get property isHiddenUI

Throws:

[RhapsodyRuntimeException](#)

getIsLoadOnDemand

int **getIsLoadOnDemand**()

get property isLoadOnDemand

Throws:

[RhapsodyRuntimeException](#)

getLanguage

java.lang.String **getLanguage**()

get property Language

Throws:

[RhapsodyRuntimeException](#)

getListOfFactoryProperties

[IRPCollection](#) **getListOfFactoryProperties**()

get list of factory properties

Throws:

[RhapsodyRuntimeException](#)

getListOfSelectedElements

[IRPCollection](#) **getListOfSelectedElements**()

get list of selected elements

Throws:

[RhapsodyRuntimeException](#)

getListOfSiteProperties

[IRPCollection](#) **getListOfSiteProperties**()

get list of site properties

Throws:

[RhapsodyRuntimeException](#)

getLocaleName

java.lang.String **getLocaleName**()

Returns the locale for the version of Rhapsody running.

Returns:

the locale of the version of Rhapsody running, for example, EN for the English version or JA for the Japanese version

getLogRoot

java.lang.String **getLogRoot**()

Gets the full path of the folder used for the Rhapsody log files.

Returns:

the full path of the folder used for the Rhapsody log files

getModelElementFromSource

[IRPModelElement](#) **getModelElementFromSource**(java.lang.String sourceData,
int isSourceDataIsfileName,
int lineNumber)

Find model element from source code

Throws:

[RhapsodyRuntimeException](#)

getOMROOT

java.lang.String **getOMROOT**()

get property OMROOT

Throws:

[RhapsodyRuntimeException](#)

getOWPaneMgr

[IRPowPaneMgr](#) **getOWPaneMgr**(java.lang.String clientID)

For internal use only.

getOutputWindowText

java.lang.String **getOutputWindowText** ()

Returns the text displayed in the output window.

Returns:

the text displayed in the output window

getProjects

[IRPCollection](#) **getProjects** ()

get property projects

Throws:

[RhapsodyRuntimeException](#)

getRhapsodyHandleErrorFunction

long **getRhapsodyHandleErrorFunction** ()

getRhapsodyHandleErrorFunction

Throws:

[RhapsodyRuntimeException](#)

getRhapsodyHandleErrorFunctionLong

long **getRhapsodyHandleErrorFunctionLong** ()

getRhapsodyHandleErrorFunctionLong

Throws:

[RhapsodyRuntimeException](#)

getSearchManager

[IRPSearchManager](#) **getSearchManager** ()

get Rhapsody search manager

Throws:

[RhapsodyRuntimeException](#)

getSelectedElement

[IRPModelElement](#) **getSelectedElement** ()

get selected element

Throws:

[RhapsodyRuntimeException](#)

getSelectedGraphElements

[IRPCollection](#) `getSelectedGraphElements()`

get selected graph elements

Throws:

[RhapsodyRuntimeException](#)

getSelection

[IRPSelection](#) `getSelection()`

Gets the currently-selected graphic elements.

Returns:

the currently-selected graphic elements

Throws:

[RhapsodyRuntimeException](#)

getSerialNo

`java.lang.String` `getSerialNo()`

get property SerialNo

Throws:

[RhapsodyRuntimeException](#)

getCodeGeneratorInterface

[IRPCodeGenerator](#) `getCodeGeneratorInterface()`

get codegeneration interface

Throws:

[RhapsodyRuntimeException](#)

getTheExternalCodeGeneratorInvoker

[IRPExternalCodeGeneratorInvoker](#) `getTheExternalCodeGeneratorInvoker()`

get external code generator invoker

Throws:

[RhapsodyRuntimeException](#)

getTheIntegratorInterface

[IRPIntegrator](#) `getTheIntegratorInterface()`

get integrator interface

Throws:

[RhapsodyRuntimeException](#)

getTheJavaPluginsInterface

[IRPJavaPlugins](#) `getTheJavaPluginsInterface()`

getTheJavaPluginsInterface

Throws:

[RhapsodyRuntimeException](#)

getTheRoundtripInterface

[IRPRoundTrip](#) `getTheRoundtripInterface()`

get roundtrip interface

Throws:

[RhapsodyRuntimeException](#)

getToolSet

`java.lang.String` `getToolSet()`

get property ToolSet

Throws:

[RhapsodyRuntimeException](#)

getUserDataRoot

`java.lang.String` `getUserDataRoot()`

Gets the full path of the folder where the Rhapsody data files were installed.

Returns:

the full path of the folder where the Rhapsody data files were installed

getUserOMROOT

`java.lang.String` `getUserOMROOT()`

Gets the full path of the UserShare folder of the Rhapsody installation.

Returns:

the full path of the UserShare folder of the Rhapsody installation

highlightElement

```
void highlightElement (IRPModelElement val)
```

highlight element

Throws:

[RhapsodyRuntimeException](#)

highlightByHandle

```
void highlightByHandle (java.lang.String strHandle)
```

highlight by handle

Throws:

[RhapsodyRuntimeException](#)

importClasses

```
void importClasses ()
```

import Classes

Throws:

[RhapsodyRuntimeException](#)

importDesignManagerModel

```
IRPProject importDesignManagerModel (java.lang.String serverURL,  
                                     java.lang.String projectAreaName,  
                                     java.lang.String streamName,  
                                     java.lang.String modelName,  
                                     java.lang.String saveasDirectory,  
                                     int includeLinks)
```

Imports a Rhapsody Design Manager model into a new Rhapsody project. After the model has been imported, the `IRPProject.enableRhapsodyModelManager` method can be called to enable the new project for Rhapsody Model Manager.

Parameters:

- `serverURL` - the URL of the server that hosts the Rhapsody Design Manager model that is to be imported
- `projectAreaName` - the name of the project area that contains the project that is to be imported
- `streamName` - the name of the stream from which the project should be taken
- `modelName` - the name of the project that is to be imported

`saveasDirectory` - the directory where the new Rhapsody project should be saved. If you are only importing OSLC links, this argument should be null (since an existing Rhapsody project must already be open).

`includeLinks` - 1 if the OSLC links should also be imported, 0 if the Design Manager model should be imported without the OSLC links

Returns:

the new Rhapsody project that was created. If the `saveasDirectory` argument was null, the project that is currently open is returned.

importSyncSimulinkBlock2

```
void importSyncSimulinkBlock2(IRPModelElement simulinkBlock,  
    java.lang.String matlabExePath,  
    java.lang.String simMdlFile,  
    java.lang.String simSrcFiles,  
    java.lang.String sampleTime)
```

Imports a Simulink model into a Rhapsody model.

Parameters:

`simulinkBlock` - the SimulinkBlock element that you created in your model (Object with SimulinkBlock stereotype applied to it)

`matlabExePath` - the full path to the Matlab executable

`simMdlFile` - the full path to the Simulink model file

`simSrcFiles` - the full path for each of the .cpp files generated for the Simulink model (except for `ert_main.cpp`). If there is one then more source file, the paths should be separated by a semi-colon.

`sampleTime` - the interval (in milliseconds) at which Rhapsody should activate the Simulink engine

importTlb

```
void importTlb(java.lang.String pPath)
```

import tlb

Throws:

[RhapsodyRuntimeException](#)

insertProject

```
IRPProject insertProject(java.lang.String filename)
```

Insert existing project into current workspace

Throws:

[RhapsodyRuntimeException](#)

insertProjectFromDesignManager

@Deprecated

```
IRPPProject insertProjectFromDesignManager(java.lang.String userName,  
                                           java.lang.String passwd,  
                                           java.lang.String serverURL,  
                                           java.lang.String projectAreaName,  
                                           java.lang.String streamName,  
                                           java.lang.String modelName)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

invokePluginsMethod

```
void invokePluginsMethod(java.lang.String methodName)
```

invoke Plugins Method

Throws:

[RhapsodyRuntimeException](#)

invokeRPE

```
void invokeRPE()
```

Opens the Rhapsody Report Generator wizard.

isRhapsodyCL

```
int isRhapsodyCL()
```

Is RhapsodyCL

Throws:

[RhapsodyRuntimeException](#)

isRhapsodyFileType

```
int isRhapsodyFileType(java.lang.String extension)
```

Check if specified extension corresponds to any Rhapsody unit type

Throws:

[RhapsodyRuntimeException](#)

loginToDesignManagerWithAlias

```
int loginToDesignManagerWithAlias(java.lang.String serverURL,  
                                  java.lang.String alias)
```

Used to log in to a Design Manager server.

Parameters:

serverURL - the URL of the Design Manager server
alias - the alias to use to log in

Returns:

1 if the log-in attempt was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

loginToDesignManagerWithCertificate

```
int loginToDesignManagerWithCertificate (java.lang.String serverURL,  
                                       java.lang.String certificateLocation,  
                                       java.lang.String password)
```

Used to log in to a Design Manager server.

Parameters:

serverURL - the URL of the Design Manager server
certificateLocation - the location of the certificate
password - the password to use to log in

Returns:

1 if the log-in attempt was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

loginToDesignManagerWithUsername

```
int loginToDesignManagerWithUsername (java.lang.String serverURL,  
                                       java.lang.String userName,  
                                       java.lang.String password)
```

Used to log in to a Design Manager server.

Parameters:

serverURL - the URL of the Design Manager server
userName - the username to use to log in
password - the password to use to log in

Returns:

1 if the log-in attempt was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

make

```
void make ()
```

make

Throws:

[RhapsodyRuntimeException](#)

mergeElements

```
void mergeElements (IRPModelElement left,  
                   IRPModelElement right)
```

mergeElements

Throws:

[RhapsodyRuntimeException](#)

newProjectOnDesignManager

@Deprecated

```
IRPProject newProjectOnDesignManager (java.lang.String userName,  
                                       java.lang.String password,  
                                       java.lang.String serverURL,  
                                       java.lang.String projectAreaName,  
                                       java.lang.String streamName,  
                                       java.lang.String modelName)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

notifyFileChanged

```
void notifyFileChanged (java.lang.String filename,  
                       int contentChanged)
```

File change notification

Throws:

[RhapsodyRuntimeException](#)

openAdvancedSearchAndReplaceDialog

```
void openAdvancedSearchAndReplaceDialog ()
```

Open Advanced Search and Replace dialog

Throws:

[RhapsodyRuntimeException](#)

openFileList

```
void openFileList (java.lang.String filename)
```

method openFileList

Throws:

[RhapsodyRuntimeException](#)

openProject

[IRPPProject](#) `openProject` (java.lang.String filename)

Opens an existing Rhapsody project

Parameters:

filename - the name of the .rpy file, including the full path, for example, "I:\\temp_sample_code\\Class_Tricks.rpy"

Returns:

IRPPProject object that represents the Rhapsody project

openProjectFromDesignManager

@Deprecated

[IRPPProject](#) `openProjectFromDesignManager` (java.lang.String userName, java.lang.String password, java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

openProjectFromDesignManagerAfterLogin

@Deprecated

[IRPPProject](#) `openProjectFromDesignManagerAfterLogin` (java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName, java.lang.String modelName)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

openProjectFromURL

void `openProjectFromURL` (java.lang.String purl)

open Project From URL

Throws:

[RhapsodyRuntimeException](#)

openProjectWithLastSession

[IRPPProject](#) `openProjectWithLastSession` (java.lang.String filename)

open project with last session

Throws:

[RhapsodyRuntimeException](#)

openProjectWithoutSubUnits

[IRPPProject](#) `openProjectWithoutSubUnits` (java.lang.String filename)

open project without subunits

Throws:

[RhapsodyRuntimeException](#)

quit

void `quit` ()

quit application

Throws:

[RhapsodyRuntimeException](#)

rebuild

void `rebuild` ()

rebuild

Throws:

[RhapsodyRuntimeException](#)

rebuildEntireProject

void `rebuildEntireProject` ()

rebuildEntireProject

Throws:

[RhapsodyRuntimeException](#)

rebuildWithDependencies

void `rebuildWithDependencies` ()

rebuildWithDependencies

Throws:

[RhapsodyRuntimeException](#)

redo

```
int redo()
```

Perform Redo

Throws:

[RhapsodyRuntimeException](#)

refactorSelectedOperation

```
void refactorSelectedOperation(java.lang.String newName)
```

Changes the name of the currently-selected operation and updates any references to the operation accordingly. Corresponds to the Refactor option in the pop-up menu for operations.

Parameters:

newName - the new name to use for the operation

refreshAllViews

```
void refreshAllViews()
```

refresh all views

Throws:

[RhapsodyRuntimeException](#)

regenerate

```
void regenerate()
```

regenerate

Throws:

[RhapsodyRuntimeException](#)

regenerateElements

```
void regenerateElements(IRPCollection elements)
```

method regenerateElements

Throws:

[RhapsodyRuntimeException](#)

regenerateEntireProject

```
void regenerateEntireProject()
```

regenerateEntireProject

Throws:

[RhapsodyRuntimeException](#)

regenerateWithDependencies

void **regenerateWithDependencies**()

regenerateWithDependencies

Throws:

[RhapsodyRuntimeException](#)

registerCOMClient

void **registerCOMClient**(int processID,
java.lang.String clientFilename,
int magicNumber)

register COM client

Throws:

[RhapsodyRuntimeException](#)

report

void **report**(java.lang.String format,
java.lang.String outputFileName)

report

Throws:

[RhapsodyRuntimeException](#)

roundtrip

void **roundtrip**()

roundtrip

Throws:

[RhapsodyRuntimeException](#)

roundtripElements

void **roundtripElements**([IRPCollection](#) elements)

method roundtripElements

Throws:

[RhapsodyRuntimeException](#)

runApplication

```
void runApplication()
```

Runs the application that was built for the project

runHelper

```
void runHelper(java.lang.String helperName)
```

runHelper

Throws:

[RhapsodyRuntimeException](#)

runHelperWithParameters

```
void runHelperWithParameters(java.lang.String helperName,  
                             java.lang.String params)
```

runHelperWithParameters

Throws:

[RhapsodyRuntimeException](#)

saveAll

```
void saveAll()
```

method saveAll

Throws:

[RhapsodyRuntimeException](#)

selectGraphElements

```
void selectGraphElements(IRPCollection graphElements)
```

Selects multiple elements in the most recently opened diagram.

Parameters:

graphElements - collection of the graphical elements that should be selected

selectModelElements

```
void selectModelElements(IRPCollection modelElements)
```

Selects multiple items in the model browser.

Parameters:

modelElements - collection of the model elements that should be selected

setApplicationStatus

```
void setApplicationStatus(int nStatus)
```

setApplicationStatus

Throws:

[RhapsodyRuntimeException](#)

setComponent

```
void setComponent(java.lang.String component)
```

set Component

Throws:

[RhapsodyRuntimeException](#)

setConfiguration

```
void setConfiguration(java.lang.String configuration)
```

set Configuration

Throws:

[RhapsodyRuntimeException](#)

setDMBoolProperty

@Deprecated

```
void setDMBoolProperty(java.lang.String pKey,  
                       int val)
```

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

setDMProperty

@Deprecated

```
void setDMProperty(java.lang.String pKey,  
                  java.lang.String val)
```

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

setHiddenUI

void **setHiddenUI**(boolean pVal)

set property hiddenUI

Throws:

[RhapsodyRuntimeException](#)

setIsLoadOnDemand

void **setIsLoadOnDemand**(int isLoadOnDemand)

set property isLoadOnDemand

Throws:

[RhapsodyRuntimeException](#)

setLanguage

void **setLanguage**(java.lang.String language)

set property Language

Throws:

[RhapsodyRuntimeException](#)

setLog

void **setLog**(java.lang.String logFile)

set log file

Throws:

[RhapsodyRuntimeException](#)

setToolSet

void **setToolSet**(java.lang.String toolSet)

set property ToolSet

Throws:

[RhapsodyRuntimeException](#)

setUpdateRecentFileList

void **setUpdateRecentFileList**(int shouldUpdate)

setUpdateRecentFileList

Throws:

setHiddenUI

[RhapsodyRuntimeException](#)

startUndoTransaction

void **startUndoTransaction**()

start undo transaction

Throws:

[RhapsodyRuntimeException](#)

syncBuild

void **syncBuild**()

syncBuild

Throws:

[RhapsodyRuntimeException](#)

terminateApplication

void **terminateApplication**()

Terminate the Application

Throws:

[RhapsodyRuntimeException](#)

undo

int **undo**()

Perform Undo

Throws:

[RhapsodyRuntimeException](#)

unloadFromTarget

void **unloadFromTarget**()

unloadFromTarget

Throws:

[RhapsodyRuntimeException](#)

unregisterCOMClient

```
void unregisterCOMClient(int processID,  
                        java.lang.String clientFilename,  
                        int magicNumber)
```

unregister COM client

Throws:

[RhapsodyRuntimeException](#)

version

```
java.lang.String version()
```

Get Rhapsody version

Throws:

[RhapsodyRuntimeException](#)

versionNumberLong

```
java.lang.String versionNumberLong()
```

Get Rhapsody versionNumberLong

Throws:

[RhapsodyRuntimeException](#)

writeToOutputWindow

```
void writeToOutputWindow(java.lang.String title,  
                          java.lang.String outputStr)
```

Writes text to Rhapsody's Output window.

Parameters:

`title` - the name of the tab to which the text should be written. The possible values are Log, Build, Configuration Management, Animation.
`outputStr` - the text to display in the Output window

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com.telelogic.rhapsody.core Interface IRPArgument

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#), [IRPVariable](#)

```
public interface IRPArgument
extends IRPVariable
```

The IRPArgument interface represents an argument of an operation or an event.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getArgumentDirection () Returns the direction of the argument (In, Out, or InOut).
void	setArgumentDirection (java.lang.String argumentDirection) Sets the direction of the argument.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPVariable](#)

[addElementDefaultValue](#), [addStringDefaultValue](#), [getDeclaration](#), [getDefaultValue](#), [getType](#), [getValueSpecifications](#), [setDeclaration](#), [setDefaultValue](#), [setType](#), [setTypeDeclaration](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getArgumentDirection**

```
java.lang.String getArgumentDirection()
```

Returns the direction of the argument (In, Out, or InOut).

Returns:

the direction of the argument

setArgumentDirection

```
void setArgumentDirection(java.lang.String argumentDirection)
```

Sets the direction of the argument.

Parameters:

`argumentDirection` - the direction to use for the argument. The valid strings are In, Out, and InOut.

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com.telelogic.rhapsody.core Interface IRPASCIIFile

```
public interface IRPASCIIFile
```

Method Summary

void	close () close file
java.lang.String	getInterfaceName () get property interfaceName
void	open (java.lang.String filename) open file
void	write (java.lang.String data) write to file

Method Detail

close

```
void close ()
```

close file

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

open

void **open**(java.lang.String filename)

open file

Throws:

[RhapsodyRuntimeException](#)

write

void **write**(java.lang.String data)

write to file

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPAssociationClass

All Superinterfaces:

[IRPClass](#), [IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPAssociationClass
extends IRPClass
```

The IRPAssociationClass interface represents association classes in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPRelation	getEnd1 () Gets the relation represented by the first end of the association class.
IRPRelation	getEnd2 () Gets the relation represented by the second end of the association class.
int	getIsClass () Checks whether the element is an association class or an association element.
void	setIsClass (int isClass) Specifies whether the element should be an association class or an association element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClass](#)

[addClass](#), [addConstructor](#), [addDestructor](#), [addEventReception](#), [addEventReceptionWithEvent](#), [addLink](#), [addLinkToPartViaPort](#), [addReception](#), [addSuperclass](#), [addTriggeredOperation](#), [addType](#), [deleteClass](#), [deleteConstructor](#), [deleteDestructor](#), [deleteEventReception](#), [deleteReception](#), [deleteSuperclass](#), [deleteType](#), [getIsAbstract](#), [getIsActive](#), [getIsBehaviorOverriden](#), [getIsComposite](#), [getIsFinal](#), [getIsReactive](#), [setIsAbstract](#), [setIsActive](#), [setIsBehaviorOverriden](#), [setIsFinal](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getEnd1

[IRPRelation](#) `getEnd1()`

Gets the relation represented by the first end of the association class.

Returns:

the relation represented by the first end of the association class

getEnd2

[IRPRelation](#) `getEnd2()`

Gets the relation represented by the second end of the association class.

Returns:

the relation represented by the second end of the association class

getIsClass

`int` `getIsClass()`

Checks whether the element is an association class or an association element.

Returns:

1 if the element is an association class, 0 if it is an association element

setIsClass

`void` `setIsClass(int isClass)`

Specifies whether the element should be an association class or an association element.

Parameters:

`isClass` - Use 1 to specify that the element should be an association class. Use 0 to specify that the element should be an association element.

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com.telelogic.rhapsody.core Interface IRPAssociationRole

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPAssociationRole
extends IRPModelElement
```

The IRPAssociationRole interface represents the association roles that link objects in communication diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getClassifierRoles () Returns a collection of the classifier roles that are linked by the association role.
IRPCollection	getFormalRelations () Returns a collection of IRPRelation objects, representing the association ends of the association role.
java.lang.String	getRoleType () For internal use only.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getClassifierRoles**

[IRPCollection](#) **getClassifierRoles**()

Returns a collection of the classifier roles that are linked by the association role.

Returns:

the classifier roles that are linked by the association role

getFormalRelations

[IRPCollection](#) **getFormalRelations**()

Returns a collection of IRPRelation objects, representing the association ends of the association role.

Returns:

the association ends of the association role

getRoleType

java.lang.String **getRoleType**()

For internal use only.

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com.telelogic.rhapsody.core Interface IRPAttribute

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#), [IRPVariable](#)

```
public interface IRPAttribute
extends IRPVariable
```

The IRPAttribute interface represents attributes of a class, and global variables. To create a new attribute, use the method IRPClassifier.addAttribute. To create a new variable, use the method IRPPackage.addGlobalVariable.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

int	getIsConstant () Checks whether the attribute was defined as constant.
int	getIsOrdered () For attributes with multiplicity greater than one, checks whether the order of the items was specified as significant.
int	getIsReference () Checks whether the attribute was defined as a pointer.
int	getIsStatic () Checks whether the attribute was defined as static.
java.lang.String	getMultiplicity () Gets the multiplicity specified for the attribute.
java.lang.String	getVisibility () Gets the visibility specified for the attribute.
void	setIsConstant (int isConstant) Specifies whether an attribute should be defined as constant.

Method Summary

void	setIsOrdered (int isOrdered) For attributes with multiplicity greater than one, this method is used to specify whether the attribute should be defined as ordered, meaning that the order of the items is significant.
void	setIsReference (int isReference) Specifies whether an attribute should be defined as a pointer.
void	setIsStatic (int isStatic) Specifies whether an attribute should be defined as static.
void	setMultiplicity (java.lang.String multiplicity) Specifies the multiplicity for the attribute.
void	setVisibility (java.lang.String visibility) Specifies the visibility of the operation.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPVariable](#)

[addElementDefaultValue](#), [addStringDefaultValue](#), [getDeclaration](#), [getDefaultValue](#), [getType](#), [getValueSpecifications](#), [setDeclaration](#), [setDefaultValue](#), [setType](#), [setTypeDeclaration](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyvalue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getIsConstant

```
int getIsConstant()
```

Checks whether the attribute was defined as constant.

Returns:

1 if the attribute was defined as constant, 0 otherwise

getIsOrdered

```
int getIsOrdered()
```

For attributes with multiplicity greater than one, checks whether the order of the items was specified as significant.

Returns:

1 if the attribute was defined as ordered, 0 otherwise

getIsReference

```
int getIsReference()
```

Checks whether the attribute was defined as a pointer.

Returns:

1 if the attribute was defined as pointer, 0 otherwise

getIsStatic

```
int getIsStatic()
```

Checks whether the attribute was defined as static.

Returns:

1 if the attribute was defined as static, 0 otherwise

getMultiplicity

```
java.lang.String getMultiplicity()
```

Gets the multiplicity specified for the attribute.

Returns:

the multiplicity specified for the attribute

getVisibility

```
java.lang.String getVisibility()
```

Gets the visibility specified for the attribute.

Returns:

the visibility specified for the attribute

setIsConstant

```
void setIsConstant(int isConstant)
```

Specifies whether an attribute should be defined as constant.

Parameters:

isConstant - Use 1 to specify that the attribute should be defined as constant. Use 0 to specify that the attribute should not be defined as constant.

setIsOrdered

```
void setIsOrdered(int isOrdered)
```

For attributes with multiplicity greater than one, this method is used to specify whether the attribute should be defined as ordered, meaning that the order of the items is significant.

Parameters:

isOrdered - Use 1 to specify that the attribute should be defined as ordered. Use 0 to specify that the attribute should not be defined as ordered.

setIsReference

```
void setIsReference(int isReference)
```

Specifies whether an attribute should be defined as a pointer.

Parameters:

isReference - Use 1 to specify that the attribute should be defined as a pointer. Use 0 to specify that the attribute should not be defined as a pointer.

setIsStatic

```
void setIsStatic(int isStatic)
```

Specifies whether an attribute should be defined as static.

Parameters:

`isStatic` - Use 1 to specify that the attribute should be defined as static. Use 0 to specify that the attribute should not be defined as static.

setMultiplicity

```
void setMultiplicity(java.lang.String multiplicity)
```

Specifies the multiplicity for the attribute.

Parameters:

`multiplicity` - the multiplicity to use for the attribute. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*". If you are setting the multiplicity to a value greater than one, use the `setIsOrdered` method to specify whether the order of the items is significant.

setVisibility

```
void setVisibility(java.lang.String visibility)
```

Specifies the visibility of the operation.

Parameters:

`visibility` - the visibility to use for the operation. The possible values are "public", "private", and "protected". For C# projects, you can also use the value "project" for internal operations, and the value "projectOrProtected" for protected internal operations

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com.telelogic.rhapsody.core Interface IRPAXViewCtrl

```
public interface IRPAXViewCtrl
```

Method Summary

void	doCommand (long commandID) Execute command by command id
void	executeCommand (java.lang.String commandType, IRPCollection pCommandInitialization, IRPCollection pCommandResult) Execute command
java.lang.String	getInterfaceName () get property interfaceName

Method Detail

doCommand

```
void doCommand(long commandID)
```

Execute command by command id

Throws:

[RhapsodyRuntimeException](#)

executeCommand

```
void executeCommand(java.lang.String commandType,  
                    IRPCollection pCommandInitialization,  
                    IRPCollection pCommandResult)
```

Execute command

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPBaseExternalCodeGeneratorTool

All Known Subinterfaces:[IRPCodeGenSimplifiersRegistry](#), [IRPExternalCodeGeneratorInvoker](#)

```
public interface IRPBaseExternalCodeGeneratorTool
```

Method Summary

void	advanceCodeGenProgressBar () method advanceCodeGenProgressBar
int	shouldAbortCodeGeneration () method shouldAbortCodeGeneration
void	writeCodeGenMessage (java.lang.String msg) method writeCodeGenMessage

Method Detail

advanceCodeGenProgressBar

```
void advanceCodeGenProgressBar ()
```

```
method advanceCodeGenProgressBar
```

Throws:[RhapsodyRuntimeException](#)

shouldAbortCodeGeneration

```
int shouldAbortCodeGeneration ()
```

```
method shouldAbortCodeGeneration
```

Throws:[RhapsodyRuntimeException](#)

writeCodeGenMessage

void **writeCodeGenMessage**(java.lang.String msg)

method writeCodeGenMessage

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPCallOperation

All Superinterfaces:

[IRPModelElement](#), [IRPState](#), [IRPStateVertex](#)

```
public interface IRPCallOperation
extends IRPState
```

The IRPCallOperation interface represents call operation elements in activity diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPInterfaceItem	getOperation () Returns the operation specified for this call operation element.
IRPRelation	getTarget () Returns the target specified for this call operation element.
void	setOperation (IRPInterfaceItem operation) Specifies the operation to use for this call operation element.
void	setTarget (IRPRelation target) Specifies the target to use for this call operation element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)

[addActivityFinal](#), [addConnector](#), [addInternalTransition](#), [addState](#), [addStaticReaction](#), [addTerminationState](#), [createDefaultTransition](#), [createNestedStatechart](#), [deleteConnector](#), [deleteInternalTransition](#), [deleteStaticReaction](#), [getDefaultTransition](#), [getEntryAction](#), [getExitAction](#), [getFullNameInStatechart](#), [getInheritsFrom](#), [getInternalTransitions](#), [getIsOverridden](#), [getIsReferenceActivity](#), [getItsStatechart](#), [getItsSwimlane](#), [getLogicalStates](#), [getNestedStatechart](#), [getReferenceToActivity](#), [getSendAction](#), [getStateType](#), [getStaticReactions](#), [getSubStates](#), [getSubStateVertices](#), [getTheEntryAction](#), [getTheExitAction](#), [isAnd](#), [isCompound](#), [isLeaf](#), [isRoot](#), [isSendActionState](#), [overrideInheritance](#), [resetEntryActionInheritance](#), [resetExitActionInheritance](#), [setEntryAction](#), [setExitAction](#), [setInternalTransition](#), [setItsSwimlane](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)[setReferenceToActivity](#), [setStateType](#), [setStaticReaction](#), [unoverrideInheritance](#)**Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)**[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)**Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)**

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAqgr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getOperation**[IRPInterfaceItem](#) `getOperation()`

Returns the operation specified for this call operation element.

Returns:

the operation specified for this call operation element

getTarget

[IRPRelation](#) `getTarget ()`

Returns the target specified for this call operation element.

Returns:

the target specified for this call operation element

setOperation

`void setOperation(IRPInterfaceItem operation)`

Specifies the operation to use for this call operation element.

Parameters:

`operation` - the operation to use for this call operation element

setTarget

`void setTarget(IRPRelation target)`

Specifies the target to use for this call operation element.

Parameters:

`target` - the target to use for this call operation element

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com.telelogic.rhapsody.core Interface IRPClass

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPAssociationClass](#), [IRPFlowchart](#), [IRPStatechart](#)

```
public interface IRPClass
extends IRPClassifier
```

The IRPClass interface represents classes in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPClass	addClass (java.lang.String name) Adds a class to the current class.
IRPOperation	addConstructor (java.lang.String argumentsData) Adds a constructor for the current class.
IRPOperation	addDestructor () Adds a destructor for the current class.
IRPEventReception	addEventReception (java.lang.String name) Adds an event reception to the current class.
IRPEventReception	addEventReceptionWithEvent (java.lang.String name, IRPEvent event) Adds a new event reception, using the specified event.
IRPLink	addLink (IRPInstance fromPart, IRPInstance toPart, IRPRelation assoc, IRPPort fromPort, IRPPort toPort) This method is used to create a link between two parts belonging to a class.
IRPLink	addLinkToPartViaPort (IRPInstance toPart, IRPInstance partPort, IRPInstance classPort, IRPRelation assoc)

Method Summary	
	This method is used to create a delegation connector between a class and one of its parts.
IRPEventReception	addReception (java.lang.String name) Adds a reception to the current class.
void	addSuperclass (IRPClass superClass) Specifies a base class that the current class should inherit from.
IRPOperation	addTriggeredOperation (java.lang.String name) Adds a new triggered operation to the current class.
IRPType	addType (java.lang.String name) Adds a new type to the current class.
void	deleteClass (java.lang.String name) Deletes the specified class from the current class.
void	deleteConstructor (IRPOperation constructor) Deletes the specified constructor from the current class.
void	deleteDestructor () Deletes the destructor for the class.
void	deleteEventReception (IRPEventReception pVal) Deletes the specified event reception.
void	deleteReception (IRPEventReception pVal) Deletes the specified reception from the current class.
void	deleteSuperclass (IRPClass superClass) Removes the inheritance relationship with the specified base class.
void	deleteType (java.lang.String name) Deletes the specified type from the current class.
int	getIsAbstract () Checks whether the class is an abstract class.
int	getIsActive () Checks whether the class was defined as "active", meaning that during execution it runs on its own thread.
int	getIsBehaviorOverriden () Checks whether a class does not inherit the behavior defined in the statechart of its base class.
int	getIsComposite () Checks whether the class is a composite class.
int	getIsFinal () Checks whether the class is a final class.
int	getIsReactive () Checks whether the class is a reactive class, meaning that a statechart or an activity diagram has been created for the class so that it reacts to events.

Method Summary

void	setIsAbstract (int isAbstract) Specifies that the class should be abstract.
void	setIsActive (int isActive) Specifies that the class should be defined as "active", meaning that during execution it runs on its own thread.
void	setIsBehaviorOverriden (int isBehaviorOverriden) Specifies whether a class should inherit the behavior defined in the statechart of its base class.
void	setIsFinal (int newVal) Specifies that the class should be a final class.
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the class.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveARefrence](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addClass**

[IRPClass](#) **addClass**(java.lang.String name)

Adds a class to the current class.

Parameters:

name - the name to use for the new class

Returns:

the new class created

addConstructor

[IRPOperation](#) **addConstructor**(java.lang.String argumentsData)

Adds a constructor for the current class.

Parameters:

argumentsData - the name and types of the arguments for the constructor. The string should use the format "name1,type1,name2,type2", for example "a,int,b,int". For a constructor that does not take arguments, use an empty string ("").

Returns:

the constructor created

addDestructor

[IRPOperation](#) **addDestructor**()

Adds a destructor for the current class.

Returns:
the destructor created

addEventReception

[IRPEventReception](#) **addEventReception**(java.lang.String name)

Adds an event reception to the current class. It is preferable that you use the operation `IRPClass.addReception` instead.

Parameters:
name - the name to use for the new event reception

Returns:
the event reception created

addEventReceptionWithEvent

[IRPEventReception](#) **addEventReceptionWithEvent**(java.lang.String name, [IRPEvent](#) event)

Adds a new event reception, using the specified event.

Parameters:
name - the name to use for the new event reception
event - the event that should be associated with the new event reception

Returns:
the event reception that was created

Throws:
[RhapsodyRuntimeException](#)

addLink

[IRPLink](#) **addLink**([IRPInstance](#) fromPart, [IRPInstance](#) toPart, [IRPRelation](#) assoc, [IRPPort](#) fromPort, [IRPPort](#) toPort)

This method is used to create a link between two parts belonging to a class. In addition to specifying the two parts, you must specify the association that the link should represent, or, alternatively, the two ports that should be used for the link. If you provide the two ports as arguments, you should use `Null` for the association argument. Similarly, if you specify an association, you should use `Null` for the two port arguments. Note that if you are not specifying the two ports, you must provide an association as an argument even if there is only one relevant association.

Parameters:
fromPart - the "from" part for the link
toPart - the "to" part for the link
assoc - the association that the link should represent
fromPort - the "from" port for the link
toPort - the "to" port for the link

Returns:

the link created

addLinkToPartViaPort

```
IRPLink addLinkToPartViaPort (IRPInstance toPart,
                               IRPInstance partPort,
                               IRPInstance classPort,
                               IRPRelation assoc)
```

This method is used to create a delegation connector between a class and one of its parts. In addition to specifying the part to use, you must specify the association that the link should represent, or, alternatively, the two ports that should be used for the link. If you provide the two ports as arguments, you should use Null for the association argument. Similarly, if you specify an association, you should use Null for the two port arguments. Note that if you are not specifying the two ports, you must provide an association as an argument even if there is only one relevant association.

Parameters:

toPart - the part that should be linked to
 partPort - the port to use on the part
 classPort - the port to use on the class
 assoc - the association that the link should represent

Returns:

the link created

addReception

```
IRPEventReception addReception (java.lang.String name)
```

Adds a reception to the current class.

Parameters:

name - the name to use for the new reception

Returns:

the reception created

addSuperclass

```
void addSuperclass (IRPClass superClass)
```

Specifies a base class that the current class should inherit from.

Parameters:

superClass - the name of the class that should serve as the base class

addTriggeredOperation

```
IRPOperation addTriggeredOperation (java.lang.String name)
```

Adds a new triggered operation to the current class.

Parameters:

`name` - the name to use for the new triggered operation

Returns:

the triggered operation created

addType

[IRPType](#) **addType**(java.lang.String name)

Adds a new type to the current class.

Parameters:

`name` - the name to use for the new type

Returns:

the type created

deleteClass

void **deleteClass**(java.lang.String name)

Deletes the specified class from the current class.

Parameters:

`name` - the name of the class that should be deleted

deleteConstructor

void **deleteConstructor**([IRPOperation](#) constructor)

Deletes the specified constructor from the current class.

Parameters:

`constructor` - the constructor that should be deleted. Note that this parameter is of type [IRPOperation](#).

deleteDestructor

void **deleteDestructor**()

Deletes the destructor for the class.

deleteEventReception

void **deleteEventReception**([IRPEventReception](#) pVal)

Deletes the specified event reception. It is preferable that you use the operation `IRPClass.deleteReception` instead.

Parameters:

pVal - the reception that should be deleted

deleteReception

```
void deleteReception(IRPEventReception pVal)
```

Deletes the specified reception from the current class.

Parameters:

pVal - the reception that should be deleted

deleteSuperclass

```
void deleteSuperclass(IRPClass superClass)
```

Removes the inheritance relationship with the specified base class.

Parameters:

superClass - the base class of the current class.

deleteType

```
void deleteType(java.lang.String name)
```

Deletes the specified type from the current class.

Parameters:

name - the name of the type that should be deleted

getIsAbstract

```
int getIsAbstract()
```

Checks whether the class is an abstract class.

Returns:

indication of whether the class is abstract - 1 if the class is abstract, 0 if not

getIsActive

```
int getIsActive()
```

Checks whether the class was defined as "active", meaning that during execution it runs on its own thread.

Returns:

indication of whether the class was defined as "active". 1 means that the class is "active", 0 means that the class was defined as "sequential".

getIsBehaviorOverriden

```
int getIsBehaviorOverriden()
```

Checks whether a class does not inherit the behavior defined in the statechart of its base class. When you create a statechart for a class, by default it inherits the behavior defined in the statechart of its base class. However, Rhapsody allows you to specify that the class should not inherit this behavior. This operation checks whether this option has been exercised for the current class.

Returns:

indication of whether or not the class inherits the behavior specified in the statechart of its base class. 1 means that it does not inherit this behavior, 0 means that it does inherit the behavior defined in the statechart of the base class.

getIsComposite

```
int getIsComposite()
```

Checks whether the class is a composite class.

Returns:

indication of whether the class is a composite class. 1 means that the class is a composite class, 0 means it is not.

getIsFinal

```
int getIsFinal()
```

Checks whether the class is a final class. Relevant only for Java classes.

Returns:

indication of whether the class is a final class - 1 if the class is final, 0 if not

getIsReactive

```
int getIsReactive()
```

Checks whether the class is a reactive class, meaning that a statechart or an activity diagram has been created for the class so that it reacts to events.

Returns:

indication of whether the class is a reactive class. 1 means that the class is a reactive class, 0 means it is not.

setIsAbstract

```
void setIsAbstract(int isAbstract)
```

Specifies that the class should be abstract.

Parameters:

`isAbstract` - use 1 to specify that the class should be an abstract class, use 0 to specify that it should not be abstract

setIsActive

```
void setIsActive(int isActive)
```

Specifies that the class should be defined as "active", meaning that during execution it runs on its own thread.

Parameters:

`isActive` - 1 means that the class will be defined as "active", 0 means that the class will be defined as "sequential"

setIsBehaviorOverriden

```
void setIsBehaviorOverriden(int isBehaviorOverriden)
```

Specifies whether a class should inherit the behavior defined in the statechart of its base class. When you create a statechart for a class, by default it inherits the behavior defined in the statechart of its base class. However, Rhapsody allows you to specify that the class should not inherit this behavior.

Parameters:

`isBehaviorOverriden` - use 1 if you do not want the class to inherit the behavior defined in the statechart of its base class. Use 0 if you want the class to inherit this behavior.

setIsFinal

```
void setIsFinal(int newVal)
```

Specifies that the class should be a final class. Relevant only for Java classes.

Parameters:

`newVal` - use 1 to specify that the class should be a final class, use 0 to specify that it should not be final

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the class.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[Package](#) **Class** [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)
[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [All Classes](#)
SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

[Package](#) [Class](#) [Use Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#) [All Classes](#)

SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.telelogic.rhapsody.core Interface IRPClassifier

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPActor](#), [IRPAssociationClass](#), [IRPClass](#), [IRPEvent](#), [IRPEventReception](#), [IRPFlowchart](#),
[IRPFlowItem](#), [IRPInterfaceItem](#), [IRPNode](#), [IRPOperation](#), [IRPStatechart](#), [IRPStereotype](#), [IRPType](#),
[IRPUseCase](#)

```
public interface IRPClassifier
extends IRPUnit
```

Represents the features shared by elements such as classes, actors, use cases, and types.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPFlowchart	addActivityDiagram () Creates a new activity diagram.
IRPAttribute	addAttribute (java.lang.String name) Adds a new attribute to the classifier.
IRPFlowItem	addFlowItems (java.lang.String name) Adds a new item flow to the classifier.
IRPFlow	addFlows (java.lang.String name) Adds a new flow to the classifier.
void	addGeneralization (IRPClassifier pVal) Adds a generalization relationship between the classifier and the classifier specified as a parameter.
IRPOperation	addOperation (java.lang.String name) Adds a new operation.

Method Summary

IRPRelation	<p>addRelation(java.lang.String otherClassName, java.lang.String otherClassPackageName, java.lang.String roleName1, java.lang.String linkType1, java.lang.String multiplicity1, java.lang.String roleName2, java.lang.String linkType2, java.lang.String multiplicity2, java.lang.String linkName)</p> <p>Adds a new association to the classifier.</p>
IRPRelation	<p>addRelationTo(IRPClassifier otherClassifier, java.lang.String roleName1, java.lang.String linkType1, java.lang.String multiplicity1, java.lang.String roleName2, java.lang.String linkType2, java.lang.String multiplicity2, java.lang.String linkName)</p> <p>Adds a new association to the classifier.</p>
IRPStatechart	<p>addStatechart ()</p> <p>Creates a new statechart.</p>
IRPRelation	<p>addUnidirectionalRelation(java.lang.String otherClassName, java.lang.String otherClassPackageName, java.lang.String roleName, java.lang.String linkType, java.lang.String multiplicity, java.lang.String linkName)</p> <p>Adds a new directed association to the classifier.</p>
IRPRelation	<p>addUnidirectionalRelationTo(IRPClassifier otherClassifier, java.lang.String roleName, java.lang.String linkType, java.lang.String multiplicity, java.lang.String linkName)</p> <p>Adds a new directed association to the classifier.</p>
void	<p>deleteAttribute (IRPAttribute attribute)</p> <p>Deletes the specified attribute.</p>
void	<p>deleteFlowItems (IRPFlowItem pItem)</p> <p>Deletes the specified item flow.</p>
void	<p>deleteFlows (IRPFlow pFlow)</p> <p>Deletes the specified flow.</p>
void	<p>deleteGeneralization (IRPClassifier superClass)</p> <p>Deletes the generalization relationship between the classifier and the classifier specified as a parameter.</p>
void	<p>deleteOperation (IRPOperation operation)</p> <p>Deletes the specified operation.</p>
void	<p>deleteRelation (IRPRelation relation)</p> <p>Deletes the specified relation.</p>
IRPAttribute	<p>findAttribute (java.lang.String newVal)</p> <p>Returns the attribute with the name specified.</p>
IRPClassifier	<p>findBaseClassifier (java.lang.String newVal)</p> <p>Returns the base classifier with the specified name.</p>
IRPClassifier	<p>findDerivedClassifier (java.lang.String newVal)</p> <p>Returns the derived classifier with the specified name.</p>
IRPGeneralization	

Method Summary	
	<p>findGeneralization (java.lang.String newVal) Returns the element representing the generalization relationship between this classifier and the classifier whose name was specified as a parameter.</p>
IRPInterfaceItem	<p>findInterfaceItem (java.lang.String signature) Gets the operation or event reception that matches the signature provided.</p>
IRPClassifier	<p>findNestedClassifier (java.lang.String newVal) Searches for the nested classifier with the name specified.</p>
IRPModelElement	<p>findNestedClassifierRecursive (java.lang.String newVal) Searches recursively for the classifier with the name specified.</p>
IRPRelation	<p>findRelation (java.lang.String newVal) Returns the association whose name was specified as a parameter.</p>
IRPInterfaceItem	<p>findTrigger (java.lang.String name) Returns the trigger with the specified name in the classifier's statechart.</p>
IRPFlowchart	<p>getActivityDiagram () This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class.</p>
IRPCollection	<p>getAttributes () Returns a collection of all the classifier's attributes.</p>
IRPCollection	<p>getAttributesIncludingBases () Returns a collection of all the classifier's attributes, including those it inherits from its base classifiers.</p>
IRPCollection	<p>getBaseClassifiers () Returns a collection of the classifiers that server as base classifiers for this classifier.</p>
IRPCollection	<p>getBehavioralDiagrams () Returns a collection of all the statecharts and activities defined for the classifier.</p>
IRPCollection	<p>getDerivedClassifiers () Returns a collection of all the classifiers derived from this classifier.</p>
IRPCollection	<p>getFlowItems () Returns a collection of all the classifier's item flows.</p>
IRPCollection	<p>getFlows () Returns a collection of the classifier's flows.</p>
IRPCollection	<p>getGeneralizations () Returns a collection of all the classifier's generalization relationships.</p>
IRPCollection	<p>getInterfaceItems () Returns a collection of the classifier's elements of type IRPInterfaceItem (such as operations, triggered operations, and event receptions).</p>
IRPCollection	<p>getInterfaceItemsIncludingBases () Returns a collection of the classifier's elements of type IRPInterfaceItem (such as operations, triggered operations, and event receptions), including those it inherits from</p>

Method Summary

	its base classifier.
IRPCollection	getLinks () Returns a collection of all the classifier's link relationships.
IRPCollection	getNestedClassifiers () Returns a collection of all the classifiers nested below the current classifier.
IRPCollection	getOperations () Returns a collection of all the classifier's operations.
IRPCollection	getPorts () Returns a collection of all the classifier's ports.
IRPCollection	getRelations () Returns a collection of all the classifier's associations.
IRPCollection	getRelationsIncludingBases () Returns a collection of all the classifier's associations, including those it inherits from its base classifier.
IRPCollection	getSequenceDiagrams () Returns a collection of the classifier's sequence diagrams.
IRPCollection	getSourceArtifacts () Gets the source artifacts for the classifier.
IRPStatechart	getStatechart () This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addActivityDiagram**

[IRPFlowchart](#) **addActivityDiagram**()

Creates a new activity diagram.

Returns:

the activity diagram that was created

addAttribute

[IRPAttribute](#) **addAttribute**(java.lang.String name)

Adds a new attribute to the classifier.

Parameters:

name - the name to use for the new attribute

Returns:

the attribute that was created

addFlowItems

[IRPFlowItem](#) **addFlowItems**(java.lang.String name)

Adds a new item flow to the classifier.

Parameters:

name - the name to use for the new item flow

Returns:

the item flow that was created

addFlows

[IRPFlow](#) **addFlows**(java.lang.String name)

Adds a new flow to the classifier.

Parameters:

name - the name to use for the new flow

Returns:

the flow that was created

addGeneralization

void **addGeneralization**([IRPClassifier](#) pVal)

Adds a generalization relationship between the classifier and the classifier specified as a parameter.
For example:

```
convertibleClass.addGeneralization(carClass);
```

Parameters:

pVal - the classifier that should serve as the base classifier for this classifier

addOperation

[IRPOperation](#) **addOperation**(java.lang.String name)

Adds a new operation.

Parameters:

name - the name to use for the new operation

Returns:

the operation that was created

addRelation

[IRPRelation](#) **addRelation**(java.lang.String otherClassName,
java.lang.String otherClassPackageName,
java.lang.String roleName1,
java.lang.String linkType1,
java.lang.String multiplicity1,
java.lang.String roleName2,
java.lang.String linkType2,
java.lang.String multiplicity2,
java.lang.String linkName)

Adds a new association to the classifier.

Parameters:

otherClassName - the name of the classifier that the current classifier should be associated with

`otherClassPackageName` - that name of the package that contains the classifier that the current classifier should be associated with

`roleName1` - the role name to use for the association end near the other classifier

`linkType1` - used in conjunction with the parameter `linkType2` to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive). To create a simple association, use Association for each of the `linkType` parameters. To create an aggregation relationship, use Association for one of the `linkType` parameters and Aggregation for the other parameter. To create a composition relationship, use Association for one of the `linkType` parameters and use Composition for the other parameter.

`multiplicity1` - the multiplicity to use for the association end near the other classifier. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`roleName2` - the role name to use for the association end near the current classifier

`linkType2` - used in conjunction with the parameter `linkType1` to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive). To create a simple association, use Association for each of the `linkType` parameters. To create an aggregation relationship, use Association for one of the `linkType` parameters and Aggregation for the other parameter. To create a composition relationship, use Association for one of the `linkType` parameters and use Composition for the other parameter.

`multiplicity2` - the multiplicity to use for the association end near the current classifier. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`linkName` - if you want to create an association class, use this parameter to specify the name of the class. If you do not want to create an association class, use an empty string as the value of this parameter.

Returns:

the association that was created

addRelationTo

```
IRPRelation addRelationTo(IRPClassifier otherClassifier,
    java.lang.String roleName1,
    java.lang.String linkType1,
    java.lang.String multiplicity1,
    java.lang.String roleName2,
    java.lang.String linkType2,
    java.lang.String multiplicity2,
    java.lang.String linkName)
```

Adds a new association to the classifier.

Parameters:

`otherClassifier` - the classifier that the current classifier should be associated with

`roleName1` - the role name to use for the association end near the other classifier

`linkType1` - used in conjunction with the parameter `linkType2` to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive). To create a simple association, use Association for each of the `linkType` parameters. To create an aggregation relationship, use Association for one of the `linkType` parameters and Aggregation for the other parameter. To create a composition relationship, use Association for one of the `linkType` parameters and

use Composition for the other parameter.

`multiplicity1` - the multiplicity to use for the association end near the other classifier. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`roleName2` - the role name to use for the association end near the current classifier

`linkType2` - used in conjunction with the parameter `linkType1` to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive). To create a simple association, use Association for each of the `linkType` parameters. To create an aggregation relationship, use Association for one of the `linkType` parameters and Aggregation for the other parameter. To create a composition relationship, use Association for one of the `linkType` parameters and use Composition for the other parameter.

`multiplicity2` - the multiplicity to use for the association end near the current classifier. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`linkName` - if you want to create an association class, use this parameter to specify the name of the class. If you do not want to create an association class, use an empty string as the value of this parameter.

Returns:

the association that was created

addStatechart

[IRPStatechart](#) `addStatechart()`

Creates a new statechart.

Returns:

the statechart that was created

addUnidirectionalRelation

[IRPRelation](#) `addUnidirectionalRelation`(`java.lang.String` otherClassName,
`java.lang.String` otherClassPackageName,
`java.lang.String` roleName,
`java.lang.String` linkType,
`java.lang.String` multiplicity,
`java.lang.String` linkName)

Adds a new directed association to the classifier.

Parameters:

`otherClassName` - the name of the classifier that the current classifier should be associated with

`otherClassPackageName` - that name of the package that contains the classifier that the current classifier should be associated with

`roleName` - the role name to use for the association end

`linkType` - used to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive).

`multiplicity` - the multiplicity to use for the association end. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`linkName` - if you want to create an association class, use this parameter to specify the name of the class. If you do not want to create an association class, use an empty string as the value of this parameter.

Returns:

the association that was created

addUnidirectionalRelationTo

```
IRPRelation addUnidirectionalRelationTo(IRPClassifier otherClassifier,  
                                       java.lang.String roleName,  
                                       java.lang.String linkType,  
                                       java.lang.String multiplicity,  
                                       java.lang.String linkName)
```

Adds a new directed association to the classifier.

Parameters:

`otherClassifier` - the classifier that the current classifier should be associated with

`roleName` - the role name to use for the association end

`linkType` - used to determine the type of association to create. The strings that can be used for this parameter are Association, Aggregation and Composition (parameter is case-sensitive).

`multiplicity` - the multiplicity to use for the association end. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for attributes: "0,1", "*", or "1..*".

`linkName` - if you want to create an association class, use this parameter to specify the name of the class. If you do not want to create an association class, use an empty string as the value of this parameter.

Returns:

the association that was created

deleteAttribute

```
void deleteAttribute(IRPAttribute attribute)
```

Deletes the specified attribute.

Parameters:

`attribute` - the attribute that should be deleted

deleteFlowItems

```
void deleteFlowItems(IRPFlowItem pItem)
```

Deletes the specified item flow.

Parameters:

`pItem` - the item flow that should be deleted

deleteFlows

void **deleteFlows** ([IRPFlow](#) pFlow)

Deletes the specified flow.

Parameters:

pFlow - the flow that should be deleted

deleteGeneralization

void **deleteGeneralization** ([IRPClassifier](#) superClass)

Deletes the generalization relationship between the classifier and the classifier specified as a parameter.

Parameters:

superClass - the classifier whose generalization relationship with this classifier should be deleted

deleteOperation

void **deleteOperation** ([IRPOperation](#) operation)

Deletes the specified operation.

Parameters:

operation - the operation that should be deleted

deleteRelation

void **deleteRelation** ([IRPRelation](#) relation)

Deletes the specified relation.

Parameters:

relation - the relation that should be deleted

findAttribute

[IRPAttribute](#) **findAttribute** (java.lang.String newVal)

Returns the attribute with the name specified.

Parameters:

newVal - the name of the attribute that should be returned

Returns:

the attribute with the name specified

findBaseClassifier

[IRPClassifier](#) **findBaseClassifier**(java.lang.String newVal)

Returns the base classifier with the specified name.

Parameters:

newVal - the name of the base classifier that should be returned

Returns:

the base classifier with the specified name

findDerivedClassifier

[IRPClassifier](#) **findDerivedClassifier**(java.lang.String newVal)

Returns the derived classifier with the specified name.

Parameters:

newVal - the name of the derived classifier that should be returned

Returns:

the derived classifier with the specified name

findGeneralization

[IRPGeneralization](#) **findGeneralization**(java.lang.String newVal)

Returns the element representing the generalization relationship between this classifier and the classifier whose name was specified as a parameter.

Parameters:

newVal - the name of the classifier whose generalization relationship should be returned

Returns:

the element representing the generalization relationship between this classifier and the classifier whose name was specified as a parameter

findInterfaceItem

[IRPInterfaceItem](#) **findInterfaceItem**(java.lang.String signature)

Gets the operation or event reception that matches the signature provided.

Parameters:

signature - the signature of the operation or event reception. The string you provide should consist of the operation name followed by parentheses containing a comma-delimited list of the types of the parameters, for example, "runEngine(int,int)".

Returns:

the operation or event reception

findNestedClassifier

[IRPClassifier](#) `findNestedClassifier`(java.lang.String newVal)

Searches for the nested classifier with the name specified. This method only searches the first level of elements below the current classifier. To search all of the levels below the current classifier, use the method `findNestedClassifierRecursive`.

Parameters:

`newVal` - the name of the classifier to search for

Returns:

the classifier with the name that was specified

findNestedClassifierRecursive

[IRPModelElement](#) `findNestedClassifierRecursive`(java.lang.String newVal)

Searches recursively for the classifier with the name specified. This method searches all of the levels below the current classifier. To search only the first level of elements below the current classifier, use the method `findNestedClassifier`.

Parameters:

`newVal` - the name of the classifier to search for

Returns:

the classifier that was specified. Note that the classifier is returned as an object of type `IRPModelElement`. So you will usually want to use casting, for example: `IRPClassifier classifierToSearchFor = (IRPClassifier)stillsCamera.findNestedClassifierRecursive("nested_1_next_level");`

findRelation

[IRPRelation](#) `findRelation`(java.lang.String newVal)

Returns the association whose name was specified as a parameter.

Parameters:

`newVal` - the name of the association that should be returned

Returns:

the association whose name was specified as a parameter

findTrigger

[IRPInterfaceItem](#) `findTrigger`(java.lang.String name)

Returns the trigger with the specified name in the classifier's statechart.

Parameters:

`name` - the name of the trigger to find

Returns:

the trigger with the specified name in the classifier's statechart

getActivityDiagram

[IRPFlowchart](#) getActivityDiagram()

This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class. Use the method getBehavioralDiagrams instead.

getAttributes

[IRPCollection](#) getAttributes()

Returns a collection of all the classifier's attributes.

Returns:

all the classifier's attributes

getAttributesIncludingBases

[IRPCollection](#) getAttributesIncludingBases()

Returns a collection of all the classifier's attributes, including those it inherits from its base classifiers.

Returns:

all of the classifier's attributes, including those it inherits from its base classifiers

getBaseClassifiers

[IRPCollection](#) getBaseClassifiers()

Returns a collection of the classifiers that server as base classifiers for this classifier.

Returns:

all the classifiers that serve as base classifiers for this classifier

getBehavioralDiagrams

[IRPCollection](#) getBehavioralDiagrams()

Returns a collection of all the statecharts and activities defined for the classifier. The collection that is returned consists of elements of type IRPStatechart.

Returns:

all of the statecharts and activities defined for the classifier

getDerivedClassifiers

[IRPCollection](#) getDerivedClassifiers()

Returns a collection of all the classifiers derived from this classifier.

Returns:

all the classifiers derived from this classifier

getFlowItems

[IRPCollection](#) `getFlowItems ()`

Returns a collection of all the classifier's item flows.

Returns:

all of the classifier's item flows

getFlows

[IRPCollection](#) `getFlows ()`

Returns a collection of the classifier's flows.

Returns:

all of the classifier's flows

getGeneralizations

[IRPCollection](#) `getGeneralizations ()`

Returns a collection of all the classifier's generalization relationships.

Returns:

all of the classifier's generalization relationships

getInterfaceItems

[IRPCollection](#) `getInterfaceItems ()`

Returns a collection of the classifier's elements of type `IRPInterfaceItem` (such as operations, triggered operations, and event receptions).

Returns:

all of the classifier's elements of type `IRPInterfaceItem`

getInterfaceItemsIncludingBases

[IRPCollection](#) `getInterfaceItemsIncludingBases ()`

Returns a collection of the classifier's elements of type `IRPInterfaceItem` (such as operations, triggered operations, and event receptions), including those it inherits from its base classifier.

Returns:

all of the classifier's elements of type `IRPInterfaceItem`, including those it inherits from its base classifier

getLinks

[IRPCollection](#) `getLinks ()`

Returns a collection of all the classifier's link relationships.

Returns:

all of the classifier's link relationships

getNestedClassifiers

[IRPCollection](#) `getNestedClassifiers ()`

Returns a collection of all the classifiers nested below the current classifier. Note that this method is not recursive - it only returns the classifiers at the level directly below the current classifier.

Returns:

all of the classifiers nested below the current classifier

getOperations

[IRPCollection](#) `getOperations ()`

Returns a collection of all the classifier's operations.

Returns:

all the classifier's operations

getPorts

[IRPCollection](#) `getPorts ()`

Returns a collection of all the classifier's ports.

Returns:

all of the classifier's ports

getRelations

[IRPCollection](#) `getRelations ()`

Returns a collection of all the classifier's associations.

Returns:

all of the classifier's associations

getRelationsIncludingBases

[IRPCollection](#) `getRelationsIncludingBases()`

Returns a collection of all the classifier's associations, including those it inherits from its base classifier.

Returns:

all of the classifier's associations, including those it inherits from its base classifier

getSequenceDiagrams

[IRPCollection](#) `getSequenceDiagrams()`

Returns a collection of the classifier's sequence diagrams.

Returns:

all of the classifier's sequence diagrams

getSourceArtifacts

[IRPCollection](#) `getSourceArtifacts()`

Gets the source artifacts for the classifier.

Returns:

the source artifacts for the classifier, as a collection of IRPFile objects

getStatechart

[IRPStatechart](#) `getStatechart()`

This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class. Use the method `getBehavioralDiagrams` instead.

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com.telelogic.rhapsody.core Interface IRPClassifierRole

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPClassifierRole
extends IRPModelElement
```

The IRPClassifierRole interface represents lifelines in sequence diagrams and "objects" (lifelines) in communication diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPClassifier	getFormalClassifier () Returns the classifier (for example, class or actor) that the lifeline realizes.
IRPInstance	getFormalInstance () For cases where a lifeline represents an object and not just a classifier, returns the object that is realized by the lifeline.
IRPSequenceDiagram	getReferencedSequenceDiagram () Returns the sequence diagram referenced by the lifeline.
IRPCollection	getReferencingClassifierRolesRecursively () Returns a collection of all the lifelines in referenced sequence diagrams.
java.lang.String	getRoleType () Returns a string representing the type of the classifier role, for example, CLASS for elements of type IRPClass and ACTOR for elements of type IRPActor.
void	setFormalClassifier (IRPClassifier formalClassifier) Sets the specified element as the classifier realized by the lifeline.
void	setFormalInstance (IRPInstance formalInstance) Sets the specified element as the object realized by the lifeline.

Method Summary

void	setReferencedSequenceDiagram (IRPSequenceDiagram referencedSequenceDiagram) Sets the specified diagram to be the sequence diagram referenced by the lifeline.
------	---

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayname](#), [getDisplaynameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getFormalClassifier

[IRPClassifier](#) [getFormalClassifier](#) ()

Returns the classifier (for example, class or actor) that the lifeline realizes.

Returns:

the classifier that the lifeline realizes

Throws:

[RhapsodyRuntimeException](#)

getFormalInstance

[IRPInstance](#) getFormalInstance ()

For cases where a lifeline represents an object and not just a classifier, returns the object that is realized by the lifeline. If the method is called for a lifeline that does not realize an object, it returns null.

Returns:

the object that is realized by the lifeline

Throws:

[RhapsodyRuntimeException](#)

getReferencedSequenceDiagram

[IRPSequenceDiagram](#) getReferencedSequenceDiagram ()

Returns the sequence diagram referenced by the lifeline.

Returns:

the sequence diagram referenced by the lifeline, returns null if there is no referenced diagram

Throws:

[RhapsodyRuntimeException](#)

getReferencingClassifierRolesRecursively

[IRPCollection](#) getReferencingClassifierRolesRecursively ()

Returns a collection of all the lifelines in referenced sequence diagrams. This is done recursively so the collection includes all the lifelines in the decomposition hierarchy.

Returns:

a collection of all the lifelines in referenced sequence diagrams

Throws:

[RhapsodyRuntimeException](#)

getRoleType

java.lang.String getRoleType ()

Returns a string representing the type of the classifier role, for example, CLASS for elements of type IRPClass and ACTOR for elements of type IRPActor. For objects, the string returned is CLASS.

Returns:

a string representing the type of the classifier role

Throws:

[RhapsodyRuntimeException](#)

setFormalClassifier

void **setFormalClassifier**([IRPClassifier](#) formalClassifier)

Sets the specified element as the classifier realized by the lifeline.

Parameters:

formalClassifier - the model element that should be used as the classifier realized by the lifeline.

Throws:

[RhapsodyRuntimeException](#)

setFormalInstance

void **setFormalInstance**([IRPInstance](#) formalInstance)

Sets the specified element as the object realized by the lifeline.

Parameters:

formalInstance - the model element that should be used as the object realized by the lifeline.

Throws:

[RhapsodyRuntimeException](#)

setReferencedSequenceDiagram

void **setReferencedSequenceDiagram**([IRPSequenceDiagram](#) referencedSequenceDiagram)

Sets the specified diagram to be the sequence diagram referenced by the lifeline.

Parameters:

referencedSequenceDiagram - the diagram that should be used as the sequence diagram referenced by the lifeline

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPCodeGenerator

```
public interface IRPCodeGenerator
```

Method Summary

IRPCollection	getCodeAnnotations (IRPModelElement element, int bSpecFile) method to get generated code file names
IRPCollection	getGeneratedFileNames (IRPModelElement element) method to get generated code file names
java.lang.String	getInterfaceName () get property interfaceName

Method Detail

getCodeAnnotations

```
IRPCollection getCodeAnnotations(IRPModelElement element,  
int bSpecFile)
```

method to get generated code file names

Throws:

[RhapsodyRuntimeException](#)

getGeneratedFileNames

```
IRPCollection getGeneratedFileNames(IRPModelElement element)
```

method to get generated code file names

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPCodeGenSimplifiersRegistry

All Superinterfaces:

[IRPBaseExternalCodeGeneratorTool](#)

```
public interface IRPCodeGenSimplifiersRegistry
extends IRPBaseExternalCodeGeneratorTool
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
void	notifySimplificationDone () method notifySimplificationDone

Methods inherited from interface com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)

[advanceCodeGenProgressBar](#), [shouldAbortCodeGeneration](#), [writeCodeGenMessage](#)

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

notifySimplificationDone

```
void notifySimplificationDone ()
```

method notifySimplificationDone

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPCollaboration

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPInteractionOperand](#)

```
public interface IRPCollaboration
extends IRPModelElement
```

The IRPCollaboration interface represents the capabilities included in sequence diagrams and communications diagrams. To get the IRPCollaboration object underlying a sequence diagram or a communication diagram, use the methods IRPSequenceDiagram.getLogicalCollaboration() and IRPCollaborationDiagram.getLogicalCollaboration().

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPActionBlock	addActionBlock (IRPClassifierRole classifier) Adds a new action block to the specified classifier.
IRPMessage	addCancelledTimeout (IRPClassifierRole receiver) Adds a cancelled timeout to the specified instance line.
IRPClassifierRole	addClassifierRole (java.lang.String newVal, IRPClassifier cls) Adds an instance line to a sequence diagram.
IRPClassifierRole	addClassifierRoleByName (java.lang.String newVal, java.lang.String classFullPath) method addClassifierRoleByName
IRPClassifierRole	addClassifierRoleForInstance (IRPInstance inst) method addClassifierRoleForInstance
IRPMessage	addConditionMark (IRPClassifierRole classifier) Adds a condition mark to the specified instance line.

Method Summary	
IRPMessage	addCtor (IRPInterfaceItem interItem, java.lang.String actualParamList, IRPClassifierRole sender, IRPClassifierRole receiver) Adds a Create Arrow to a sequence diagram.
IRPMessage	addDataFlow (IRPSysMLPort flowPort, java.lang.String value, IRPClassifierRole sender, IRPClassifierRole receiver) method addDataFlow
IRPMessage	addDestructionEvent (IRPClassifierRole classifier) Adds a destruction event to the specified lifeline.
IRPMessage	addDtor (IRPInterfaceItem interItem, java.lang.String actualParamList, IRPClassifierRole sender, IRPClassifierRole receiver) Adds a Destroy Arrow to a sequence diagram.
IRPMessage	addDurationConstraint (java.lang.String durationConstraint, IRPMessage startState, IRPMessage endState) Adds a Duration Constraint to the specified state invariants.
IRPMessage	addDurationObservation (java.lang.String durationObservation, IRPMessage startState, IRPMessage endState) Adds a Duration Observation to the specified states invariants.
IRPMessage	addFoundMessage (IRPClassifierRole receiver) Adds a Found Message to the specified lifeline.
IRPInteractionOccurrence	addInteractionOccurrence () Adds an interaction occurrence.
IRPInteractionOperator	addInteractionOperator () Adds an interaction operator to a sequence diagram.
IRPMessage	addLostMessage (IRPClassifierRole sender) Adds a Lost Message to the specified lifeline.
IRPMessage	addMessage (IRPInterfaceItem interItem, java.lang.String actualParamList, IRPClassifierRole sender, IRPClassifierRole receiver) Adds a message to a sequence diagram.
IRPMessage	addReplyMessage (IRPInterfaceItem interItem, java.lang.String actualParamList, IRPClassifierRole sender, IRPClassifierRole receiver) method addReplyMessage
IRPMessage	addStateInvariant (java.lang.String invariant, IRPClassifierRole classifier) Adds a State Invariant to the specified lifeline.
IRPClassifierRole	addSystemBorder () Adds a System Border element to a sequence diagram.
IRPMessage	addTimeConstraint (java.lang.String timeConstraint, IRPMessage state) Adds a Time Constraint to the specified state invariant.

Method Summary	
IRPMessage	addTimeInterval (IRPClassifierRole receiver) Adds a Time Interval to the specified lifeline.
IRPMessage	addTimeObservation (java.lang.String timeObservation, IRPMessage state) Adds a Time Observation to the specified state invariant.
IRPMessage	addTimeout (IRPInterfaceItem interItem, java.lang.String actualParamList, IRPClassifierRole sender, IRPClassifierRole receiver) Adds a timeout to a sequence diagram.
IRPSequenceDiagram	generateSequence (java.lang.String newVal, IRPPackage owner) Generates a sequence diagram from the content of the IRPCollaboration object.
java.lang.String	getActivationCondition () get property activationCondition
java.lang.String	getActivationMode () get property activationMode
IRPMessage	getActivator (IRPMessage msg) method getActivator
IRPCollection	getAssociations () get property associations
IRPCollection	getClassifier () Returns a collection of all the instance lines in the sequence diagram.
IRPCollection	getConcurrentGroup (IRPMessage msg) method getConcurrentGroup
IRPCollection	getExecutionOccurrences () Returns a collection of all the Execution Occurrences in the diagram.
IRPCollection	getInteractionOccurrences () Returns a collection of all the interaction occurrences in the sequence diagram.
IRPCollection	getInteractionOperators () Returns a collection of all the interaction operators in the sequence diagram.
IRPCollection	getMessagePoints () Returns all the message points along the specified instance line.
IRPCollection	getMessagePoints (IRPClassifierRole classifier) Returns all the message points along the specified instance line.
IRPCollection	getMessages () Returns a collection of all the messages in the sequence diagram.
java.lang.String	getMode () get property mode

Method Summary

IRPMessage	getPredecessor (IRPMessage msg) Returns the message that precedes the specified message.
IRPMessage	getSuccessor (IRPMessage msg) Returns the message that follows the specified message.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addActionBlock

[IRPActionBlock](#) [addActionBlock](#) ([IRPClassifierRole](#) classifier)

Adds a new action block to the specified classifier.

Parameters:

classifier - the classifier to which the action block should be added

Returns:

the action block that was created

addCancelledTimeout

[IRPMessage](#) addCancelledTimeout([IRPClassifierRole](#) receiver)

Adds a cancelled timeout to the specified instance line.

Parameters:

receiver - the instance line that the cancelled timeout should be added to

Returns:

the cancelled timeout that was added

addClassifierRole

[IRPClassifierRole](#) addClassifierRole(java.lang.String newVal,
[IRPClassifier](#) cls)

Adds an instance line to a sequence diagram.

Parameters:

newVal - the name to use for the new instance line

cls - the class that the instance line is based on

Returns:

the instance line that was added

addClassifierRoleByName

[IRPClassifierRole](#) addClassifierRoleByName(java.lang.String newVal,
java.lang.String classFullPath)

method addClassifierRoleByName

Throws:

[RhapsodyRuntimeException](#)

addClassifierRoleForInstance

[IRPClassifierRole](#) addClassifierRoleForInstance([IRPInstance](#) inst)

method addClassifierRoleForInstance

Throws:

[RhapsodyRuntimeException](#)

addConditionMark

[IRPMessage](#) addConditionMark([IRPClassifierRole](#) classifier)

Adds a condition mark to the specified instance line.

Parameters:

classifier - the instance line to which the condition mark should be added

Returns:

the condition mark that was created

addCtor

```
IRPMessage addCtor(IRPInterfaceItem interItem,
                  java.lang.String actualParamList,
                  IRPClassifierRole sender,
                  IRPClassifierRole receiver)
```

Adds a Create Arrow to a sequence diagram.

Parameters:

`interItem` - the constructor for the object to be created
`actualParamList` - string representing the arguments to pass to the constructor. The string provided should be a comma-separated list of arguments
`sender` - the instance line at which the Create Arrow begins
`receiver` - the instance line at which the Create Arrow ends (representing the object to be created)

Returns:

the Create Arrow that was added to the diagram

addDataFlow

```
IRPMessage addDataFlow(IRPSysMLPort flowPort,
                       java.lang.String value,
                       IRPClassifierRole sender,
                       IRPClassifierRole receiver)
```

method addDataFlow

Throws:

[RhapsodyRuntimeException](#)

addDestructionEvent

```
IRPMessage addDestructionEvent(IRPClassifierRole classifier)
```

Adds a destruction event to the specified lifeline.

Parameters:

`classifier` - the lifeline that the destruction event should be added to

Returns:

the destruction event that was created

addDtor

```
IRPMessage addDtor(IRPInterfaceItem interItem,
                   java.lang.String actualParamList,
                   IRPClassifierRole sender,
                   IRPClassifierRole receiver)
```

Adds a Destroy Arrow to a sequence diagram.

Parameters:

`interItem` - the destructor for the object to be destroyed
`actualParamList` - since destructors do not take arguments, use an empty string "" for this parameter
`sender` - the instance line at which the Destroy Arrow begins
`receiver` - the instance line at which the Destroy Arrow ends (representing the object to be destroyed)

Returns:

the Destroy Arrow that was added to the diagram

addDurationConstraint

```
IRPMessage addDurationConstraint(java.lang.String durationConstraint,  
                                IRPMessage startState,  
                                IRPMessage endState)
```

Adds a Duration Constraint to the specified state invariants.

Parameters:

`durationConstraint` - the text to display above the new Duration Constraint
`startState` - the state invariant at which the new Duration Constraint should begin
`endState` - the state invariant at which the new Duration Constraint should end. If you want the Duration Constraint to cover only a single state invariant, specify the same state invariant for both the startState parameter and the endState parameter

Returns:

the Duration Constraint that was created

addDurationObservation

```
IRPMessage addDurationObservation(java.lang.String durationObservation,  
                                   IRPMessage startState,  
                                   IRPMessage endState)
```

Adds a Duration Observation to the specified states invariants.

Parameters:

`durationObservation` - the text to display above the new Duration Observation
`startState` - the state invariant at which the new Duration Observation should begin
`endState` - the state invariant at which the new Duration Observation should end. If you want the Duration Observation to cover only a single state invariant, specify the same state invariant for both the startState parameter and the endState parameter

Returns:

the Duration Observation that was created

addFoundMessage

```
IRPMessage addFoundMessage(IRPClassifierRole receiver)
```

Adds a Found Message to the specified lifeline.

Parameters:

`receiver` - the lifeline that the Found Message should be added to

Returns:

the Found Message that was created

addInteractionOccurrence

[IRPInteractionOccurrence](#) `addInteractionOccurrence()`

Adds an interaction occurrence.

Returns:

the interaction occurrence that was created

addInteractionOperator

[IRPInteractionOperator](#) `addInteractionOperator()`

Adds an interaction operator to a sequence diagram.

Returns:

the interaction operator that was added

addLostMessage

[IRPMessage](#) `addLostMessage(IRPClassifierRole sender)`

Adds a Lost Message to the specified lifeline.

Parameters:

`sender` - the lifeline that the Lost Message should be added to

Returns:

the Lost Message that was created

addMessage

[IRPMessage](#) `addMessage(IRPInterfaceItem interItem,
java.lang.String actualParamList,
IRPClassifierRole sender,
IRPClassifierRole receiver)`

Adds a message to a sequence diagram.

Parameters:

`interItem` - the operation call represented by the message

`actualParamList` - the arguments to pass to the operation. If the operation does not take any arguments, use an empty string "" for this parameter

`sender` - the instance line sending the message

`receiver` - the instance line receiving the message

Returns:

the message that was added to the diagram

addReplyMessage

```
IRPMessage addReplyMessage(IRPInterfaceItem interItem,  
                           java.lang.String actualParamList,  
                           IRPClassifierRole sender,  
                           IRPClassifierRole receiver)
```

method addReplyMessage

Throws:

[RhapsodyRuntimeException](#)

addStateInvariant

```
IRPMessage addStateInvariant(java.lang.String invariant,  
                              IRPClassifierRole classifier)
```

Adds a State Invariant to the specified lifeline.

Parameters:

`invariant` - the text to use for the Invariant field of the new State Invariant
`classifier` - the lifeline that the State Invariant should be added to

Returns:

the State Invariant that was created

addSystemBorder

```
IRPClassifierRole addSystemBorder()
```

Adds a System Border element to a sequence diagram.

Returns:

the System Border element that was added

addTimeConstraint

```
IRPMessage addTimeConstraint(java.lang.String timeConstraint,  
                              IRPMessage state)
```

Adds a Time Constraint to the specified state invariant.

Parameters:

`timeConstraint` - the text to display for the new Time Constraint
`state` - the state invariant to which the new Time Constraint should be added

Returns:

the Time Constraint that was created

addTimeInterval

[IRPMessage](#) `addTimeInterval`([IRPClassifierRole](#) receiver)

Adds a Time Interval to the specified lifeline.

Parameters:

receiver - the lifeline that the Time Interval should be added to

Returns:

the Time Interval that was created

addTimeObservation

[IRPMessage](#) `addTimeObservation`(java.lang.String timeObservation,
[IRPMessage](#) state)

Adds a Time Observation to the specified state invariant.

Parameters:

timeObservation - the text to display for the new Time Observation

state - the state invariant to which the new Time Observation should be added

Returns:

the Time Observation that was created

addTimeout

[IRPMessage](#) `addTimeout`([IRPInterfaceItem](#) interItem,
java.lang.String actualParamList,
[IRPClassifierRole](#) sender,
[IRPClassifierRole](#) receiver)

Adds a timeout to a sequence diagram.

Parameters:

interItem - use null for this parameter

actualParamList - duration of timeout in milliseconds

sender - the instance line that the timeout should be added to

receiver - use null for this parameter

Returns:

the timeout created

generateSequence

[IRPSequenceDiagram](#) `generateSequence`(java.lang.String newVal,
[IRPPackage](#) owner)

Generates a sequence diagram from the content of the IRPCollaboration object.

Parameters:

newVal - the name to give to the new diagram

owner - the package to which the new diagram should belong

Returns:

the sequence diagram created

getActivationCondition

java.lang.String **getActivationCondition**()

get property activationCondition

Throws:

[RhapsodyRuntimeException](#)

getActivationMode

java.lang.String **getActivationMode**()

get property activationMode

Throws:

[RhapsodyRuntimeException](#)

getActivator

[IRPMessage](#) **getActivator**([IRPMessage](#) msg)

method getActivator

Throws:

[RhapsodyRuntimeException](#)

getAssociations

[IRPCollection](#) **getAssociations**()

get property associations

Throws:

[RhapsodyRuntimeException](#)

getClassifier

[IRPCollection](#) **getClassifier**()

Returns a collection of all the instance lines in the sequence diagram.

Returns:

all the instance lines in the sequence diagram

getConcurrentGroup

[IRPCollection](#) `getConcurrentGroup(IRPMessage msg)`

method `getConcurrentGroup`

Throws:

[RhapsodyRuntimeException](#)

getExecutionOccurrences

[IRPCollection](#) `getExecutionOccurrences()`

Returns a collection of all the Execution Occurrences in the diagram.

Returns:

all the Execution Occurrences in the diagram

getInteractionOccurrences

[IRPCollection](#) `getInteractionOccurrences()`

Returns a collection of all the interaction occurrences in the sequence diagram.

Returns:

all the interaction occurrences in the sequence diagram

getInteractionOperators

[IRPCollection](#) `getInteractionOperators()`

Returns a collection of all the interaction operators in the sequence diagram.

Returns:

all the interaction operators in the sequence diagram

getMessagePoints

[IRPCollection](#) `getMessagePoints(IRPClassifierRole classifier)`

Returns all the message points along the specified instance line.

Returns:

a collection of `IRPMessagePoint` objects, representing all the message points along the specified instance line (in the correct order)

getMessagePoints

[IRPCollection](#) `getMessagePoints()`

Returns all the message points along the specified instance line.

Returns:

a collection of IRPMessagePoint objects, representing all the message points along the specified instance line (in the correct order)

getMessages

[IRPCollection](#) `getMessages ()`

Returns a collection of all the messages in the sequence diagram.

Returns:

all the messages in the sequence diagram

getMode

`java.lang.String` `getMode ()`

get property mode

Throws:

[RhapsodyRuntimeException](#)

getPredecessor

[IRPMessage](#) `getPredecessor (IRPMessage msg)`

Returns the message that precedes the specified message.

Parameters:

`msg` - the message whose predecessor has to be found

Returns:

the message that precedes the specified message

getSuccessor

[IRPMessage](#) `getSuccessor (IRPMessage msg)`

Returns the message that follows the specified message.

Parameters:

`msg` - the message whose successor has to be found

Returns:

the message that follows the specified message

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com.telelogic.rhapsody.core Interface IRPCollaborationDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPCollaborationDiagram
extends IRPDiagram
```

The IRPCollaborationDiagram interface represents collaboration diagrams in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

[IRPCollaboration](#)

[getLogicalCollaboration](#) ()

Returns the IRPCollaboration object underlying the collaboration diagram.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getLogicalCollaboration**

[IRPCollaboration](#) `getLogicalCollaboration()`

Returns the IRPCollaboration object underlying the collaboration diagram.

Returns:

the IRPCollaboration object underlying the collaboration diagram

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com.telelogic.rhapsody.core Interface IRPCollection

```
public interface IRPCollection
```

The IRPCollection interface contains methods used to store and manipulate collections of various types of elements that you may have in your Rational Rhapsody model. Collections of this type are used by methods that return multiple model elements and by certain methods that take a collection of model elements as an argument.

Method Summary	
void	addGraphicalItem (IRPGraphElement newVal) Adds a graphical element to a collection.
void	addItem (IRPModelElement newVal) Adds a model element to a collection.
void	empty () Used to empty out a collection.
int	getCount () Returns the number of items in a collection.
java.lang.Object	getItem (int index) Retrieves an item from a collection, using the index specified.
void	remove (int index) Removes an element from a collection.
void	setInteger (int index, int val) Used to place an integer in a specific place in a collection.
void	setModelElement (int index, IRPModelElement val) Places an item in a specific place in a collection.
void	setSize (int size) Sets the size of a collection.
void	setString (int index, java.lang.String val) Used to place a String in a specific place in a collection.
java.util.List	toList () Returns a java.util.List populated with the elements in the collection.

Method Detail

getCount

```
int getCount ()
```

Returns the number of items in a collection.

Returns:

the number of items in the collection

getItem

```
java.lang.Object getItem(int index)
```

Retrieves an item from a collection, using the index specified. Note that when using the getItem method, the index parameter is based on an index value of 1 for the first element (not 0).

Parameters:

index - the index of the item to be retrieved (index of first element is 1, not 0)

Returns:

the item with the index specified

Throws:

[RhapsodyRuntimeException](#)

addItem

```
void addItem(IRPModelElement newVal)
```

Adds a model element to a collection. This method adds items, one at a time, to the end of a collection. When adding multiple items, it may be more efficient to call setSize to set the new size of the collection and then call setModelElement to place elements in specific locations in the collection.

Parameters:

newVal - the model element to add to the collection

Throws:

[RhapsodyRuntimeException](#)

addGraphicalItem

```
void addGraphicalItem(IRPGraphElement newVal)
```

Adds a graphical element to a collection.

Parameters:

newVal - the graphical element to add to the collection

Throws:

[RhapsodyRuntimeException](#)

toList

```
java.util.List toList ()
```

Returns a java.util.List populated with the elements in the collection.

Returns:

java.util.List populated with the elements in the collection

Throws:

[RhapsodyRuntimeException](#)

setSize

```
void setSize(int size)
```

Sets the size of a collection.

Parameters:

size - the new size that should be used for the collection

Throws:

[RhapsodyRuntimeException](#)

remove

```
void remove(int index)
```

Removes an element from a collection.

Parameters:

index - the index of the element that should be removed from the collection

Throws:

[RhapsodyRuntimeException](#)

setString

```
void setString(int index,
               java.lang.String val)
```

Used to place a String in a specific place in a collection. Note that when using setString, the index parameter is based on an index value of 1 for the first element (not 0). The following code illustrates the use of this method with the populateDiagram method, which takes a number of arguments, one of which is a collection of Strings.

```
//The populateDiagram method takes 3 parameters, the first two being collections: a col
IRPDiagram classDiagramToCreate = vehiclePackage.addObjectModelDiagram("Classes in Vehi
IRPCollection classesToAddToDiagram = vehiclePackage.getClasses();
IRPCollection typesOfRelationsToShow = app.createNewCollection();
typesOfRelationsToShow.setSize(2);
typesOfRelationsToShow.setString(1, "Inheritance");
typesOfRelationsToShow.setString(2, "Dependency");
classDiagramToCreate.populateDiagram(classesToAddToDiagram, typesOfRelationsToShow, "fr
```

Parameters:

`index` - the index representing the place in the collection where the String should be placed (index of first element is 1, not 0)
`val` - the String to place in the collection

Throws:

[RhapsodyRuntimeException](#)

setModelElement

```
void setModelElement(int index,
                    IRPModelElement val)
```

Places an item in a specific place in a collection. Note that when using `setModelElement`, the index parameter is based on an index value of 1 for the first element (not 0).

Parameters:

`index` - the index representing the place in the collection where the item should be placed (index of first element is 1, not 0)
`val` - the item to place in the collection

Throws:

[RhapsodyRuntimeException](#)

empty

```
void empty()
```

Used to empty out a collection.

Throws:

[RhapsodyRuntimeException](#)

setInteger

```
void setInteger(int index,
               int val)
```

Used to place an integer in a specific place in a collection. Note that when using `setInteger`, the index parameter is based on an index value of 1 for the first element (not 0).

Parameters:

`index` - the index representing the place in the collection where the integer should be placed (index of first element is 1, not 0)
`val` - the integer to place in the collection

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com.telelogic.rhapsody.core Interface IRPComment

All Superinterfaces:

[IRPAnnotation](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPComment
extends IRPAnnotation
```

The IRPComment interface represents comments in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

[addAnchor](#), [getAnchoredByMe](#), [getBody](#), [getSpecification](#), [getSpecificationRTF](#), [isSpecificationRTF](#), [removeAnchor](#), [setBody](#), [setSpecification](#), [setSpecificationRTF](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
[getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),
[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),
[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),
[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#),
[getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#),
[getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),
[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),
[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPComponent

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPComponent
extends IRPUnit
```

The IRPComponent interface represents a code generation component defined in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPConfiguration	addConfiguration (java.lang.String name) Adds a new configuration to the component.
IRPFile	addFile (java.lang.String name) Adds a new File to the component.
IRPFile	addFolder (java.lang.String name) Adds a new Folder to the component.
IRPComponent	addNestedComponent (java.lang.String name) Adds a new nested component to the component.
void	addScopeElement (IRPModelElement pVal) Adds the specified model element to the scope of the component.
void	addScopeElementWithoutAggregates (IRPModelElement pVal) method addScopeElementWithoutAggregates
void	addToScope (IRPFile file, IRPCollection classes, IRPCollection packages) method addToScope
void	allElementsInScope () Adds all the elements in the model to the scope of the component.

Method Summary	
void	deleteConfiguration (IRPConfiguration configuration) Deletes the specified configuration.
void	deleteFile (IRPFile file) Deletes the specified File.
IRPConfiguration	findConfiguration (java.lang.String name) Returns the configuration with the specified name.
java.lang.String	getAdditionalSources () Returns the additional sources defined for the component.
java.lang.String	getBuildType () Returns the build type of the component - Library, Executable, or Analysis.
IRPConfiguration	getConfigByDependency (IRPDependency o) method getConfigByDependency
IRPCollection	getConfigurations () Returns a collection of all the configurations in the component.
IRPFile	getFile (IRPClassifier c, int spec) method getFile
java.lang.String	getFileName (IRPClassifier c, int spec, int withExt) method getFileName
IRPCollection	getFiles () Returns a collection of all the Files in the component.
java.lang.String	getIncludePath () Returns the include path defined for the component.
java.lang.String	getLibraries () get property libraries
java.lang.String	getModelElementFileName (IRPModelElement c, int spec, int withExt) method getModelElementFileName
IRPCollection	getNestedComponents () Returns a collection of all the nested components in the component.
IRPFile	getPackageFile (IRPPackage c, int spec) method getPackageFile
IRPCollection	getPanelDiagrams () Returns a collection of all the panel diagrams in the component.
java.lang.String	getPath (int fullPath) get property path
IRPCollection	getPossibleVariants (IRPModelElement variationPoint) method getPossibleVariants
int	getScopeBySelectedElements () Checks whether the scope of the component has been set to include all elements or only specific elements.

Method Summary	
IRPCollection	getScopeElements () Returns a collection of all the model elements in the scope of the component.
IRPCollection	getScopeElementsByCategory (java.lang.String category) method getScopeElementsByCategory
java.lang.String	getStandardHeaders () Returns the standard headers defined for the component.
IRPModelElement	getVariant (IRPModelElement variationPoint) method getVariant
IRPCollection	getVariationPoints () Returns a collection of the variation points that are included in the scope of the component.
int	isDirectoryPerModelComponent (IRPModelElement o) method isDirectoryPerModelComponent
void	removeScopeElement (IRPModelElement pVal) Removes the specified model element from the scope of the component.
void	setAdditionalSources (java.lang.String additionalSources) Specifies the additional sources to use for the component.
void	setBuildType (java.lang.String buildType) Specifies the build type for the component.
void	setIncludePath (java.lang.String includePath) Specifies the include path to use for the component.
void	setLibraries (java.lang.String libraries) set property libraries
void	setPath (java.lang.String path) method setPath
void	setScopeBySelectedElements (int scopeBySelectedElements) set toggle the scope between selected and all-elements
void	setStandardHeaders (java.lang.String standardHeaders) Specifies the standard headers for the component.
void	setVariant (IRPModelElement variationPoint, IRPModelElement pVariant) method setVariant
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the component.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addConfiguration**

[IRPConfiguration](#) **addConfiguration**(java.lang.String name)

Adds a new configuration to the component.

Parameters:

name - the name to use for the new configuration

Returns:

the configuration that was created

addFile

[IRPFile](#) **addFile**(java.lang.String name)

Adds a new File to the component.

Parameters:

name - the name to use for the new File

Returns:

the File that was created

addFolder

[IRPFile](#) **addFolder**(java.lang.String name)

Adds a new Folder to the component.

Parameters:

name - the name to use for the new Folder

Returns:

the Folder that was created

addNestedComponent

[IRPComponent](#) **addNestedComponent**(java.lang.String name)

Adds a new nested component to the component.

Parameters:

name - the name to use for the new component

Returns:

the component that was created

addScopeElement

void **addScopeElement**([IRPModelElement](#) pVal)

Adds the specified model element to the scope of the component.

Parameters:

pVal - the model element that should be added to the scope of the component

addScopeElementWithoutAggregates

void **addScopeElementWithoutAggregates**([IRPModelElement](#) pVal)

method addScopeElementWithoutAggregates

Throws:

[RhapsodyRuntimeException](#)

addToScope

```
void addToScope(IRPFile file,  
                IRPCollection classes,  
                IRPCollection packages)
```

method addToScope

Throws:

[RhapsodyRuntimeException](#)

allElementsInScope

```
void allElementsInScope ()
```

Adds all the elements in the model to the scope of the component.

deleteConfiguration

```
void deleteConfiguration(IRPConfiguration configuration)
```

Deletes the specified configuration.

Parameters:

configuration - the configuration that should be deleted

deleteFile

```
void deleteFile(IRPFile file)
```

Deletes the specified File.

Parameters:

file - the File that should be deleted

findConfiguration

```
IRPConfiguration findConfiguration(java.lang.String name)
```

Returns the configuration with the specified name.

Parameters:

name - the name of the configuration to return

Returns:

the configuration with the specified name

getAdditionalSources

```
java.lang.String getAdditionalSources()
```

Returns the additional sources defined for the component.

Returns:

the additional sources defined for the component

getBuildType

```
java.lang.String getBuildType()
```

Returns the build type of the component - Library, Executable, or Analysis.

Returns:

the build type of the component - Library, Executable, or Analysis

getConfigByDependency

```
IRPConfiguration getConfigByDependency (IRPDependency o)
```

method getConfigByDependency

Throws:

[RhapsodyRuntimeException](#)

getConfigurations

```
IRPCollection getConfigurations()
```

Returns a collection of all the configurations in the component.

Returns:

all the configurations in the component

getFile

```
IRPFile getFile (IRPClassifier c,  
int spec)
```

method getFile

Throws:

[RhapsodyRuntimeException](#)

getFileName

```
java.lang.String getFileName (IRPClassifier c,  
int spec,  
int withExt)
```

method `getFileName`

Throws:

[RhapsodyRuntimeException](#)

getFiles

[IRPCollection](#) `getFiles()`

Returns a collection of all the Files in the component.

Returns:

all the Files in the component

getIncludePath

`java.lang.String` `getIncludePath()`

Returns the include path defined for the component.

Returns:

the include path defined for the component

getLibraries

`java.lang.String` `getLibraries()`

get property libraries

Throws:

[RhapsodyRuntimeException](#)

getModelElementFileName

`java.lang.String` `getModelElementFileName` ([IRPModelElement](#) c,
int spec,
int withExt)

method `getModelElementFileName`

Throws:

[RhapsodyRuntimeException](#)

getNestedComponents

[IRPCollection](#) `getNestedComponents()`

Returns a collection of all the nested components in the component.

Returns:

all the nested components in the component

getPackageFile

[IRPFile](#) `getPackageFile` ([IRPPackage](#) c,
int spec)

method `getPackageFile`

Throws:

[RhapsodyRuntimeException](#)

getPanelDiagrams

[IRPCollection](#) `getPanelDiagrams` ()

Returns a collection of all the panel diagrams in the component.

Returns:

all the panel diagrams in the component

getPath

java.lang.String `getPath` (int fullPath)

get property path

Throws:

[RhapsodyRuntimeException](#)

getPossibleVariants

[IRPCollection](#) `getPossibleVariants` ([IRPModelElement](#) variationPoint)

method `getPossibleVariants`

Throws:

[RhapsodyRuntimeException](#)

getScopeBySelectedElements

int `getScopeBySelectedElements` ()

Checks whether the scope of the component has been set to include all elements or only specific elements. This corresponds to the All Elements and Selected Elements radio buttons on the Scope tab of the Features dialog for components.

Returns:

1 if the scope has been set to include only specific elements, 0 if the scope has been set to include all elements

getScopeElements

[IRPCollection](#) `getScopeElements()`

Returns a collection of all the model elements in the scope of the component.

Returns:

all the model elements in the scope of the component

getScopeElementsByCategory

[IRPCollection](#) `getScopeElementsByCategory(java.lang.String category)`

method `getScopeElementsByCategory`

Throws:

[RhapsodyRuntimeException](#)

getStandardHeaders

`java.lang.String` `getStandardHeaders()`

Returns the standard headers defined for the component.

Returns:

the standard headers defined for the component

getVariant

[IRPModelElement](#) `getVariant(IRPModelElement variationPoint)`

method `getVariant`

Throws:

[RhapsodyRuntimeException](#)

getVariationPoints

[IRPCollection](#) `getVariationPoints()`

Returns a collection of the variation points that are included in the scope of the component. The collection consists of objects of type `IRPClass`.

Returns:

a collection of the variation points that are included in the scope of the component

isDirectoryPerModelComponent

`int` `isDirectoryPerModelComponent(IRPModelElement o)`

method isDirectoryPerModelComponent

Throws:

[RhapsodyRuntimeException](#)

removeScopeElement

void **removeScopeElement** ([IRPModelElement](#) pVal)

Removes the specified model element from the scope of the component.

Parameters:

pVal - the model element that should be removed from the scope of the component

setAdditionalSources

void **setAdditionalSources** (java.lang.String additionalSources)

Specifies the additional sources to use for the component.

Parameters:

additionalSources - the additional sources to use for the component

setBuildType

void **setBuildType** (java.lang.String buildType)

Specifies the build type for the component.

Parameters:

buildType - the build type that should be used for the component. The valid strings for this parameter are: Executable, Library, and Analysis.

setIncludePath

void **setIncludePath** (java.lang.String includePath)

Specifies the include path to use for the component.

Parameters:

includePath - the include path to use for the component

setLibraries

void **setLibraries** (java.lang.String libraries)

set property libraries

Throws:

[RhapsodyRuntimeException](#)

setPath

```
void setPath(java.lang.String path)
```

method setPath

Throws:

[RhapsodyRuntimeException](#)

setScopeBySelectedElements

```
void setScopeBySelectedElements(int scopeBySelectedElements)
```

set toggle the scope between selected and all-elements

Throws:

[RhapsodyRuntimeException](#)

setStandardHeaders

```
void setStandardHeaders(java.lang.String standardHeaders)
```

Specifies the standard headers for the component.

Parameters:

`standardHeaders` - a string consisting of a comma-separated list of the files that should be used as standard headers for the component

setVariant

```
void setVariant(IRPModelElement variationPoint,  
                  IRPModelElement pVariant)
```

method setVariant

Throws:

[RhapsodyRuntimeException](#)

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the component.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

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[FRAMES](#) [NO FRAMES](#) [All Classes](#)

SUMMARY: NESTED | FIELD | CONSTR | METHOD

DETAIL: FIELD | CONSTR | METHOD

com.telelogic.rhapsody.core Interface IRPComponentDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPComponentDiagram
extends IRPDiagram
```

The IRPComponentDiagram interface represents component diagrams in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPComponentInstance

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPComponentInstance
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPComponent	getComponentType () get property componentType
IRPNode	getNode () get property node
void	setComponentType (IRPComponent componentType) set property componentType

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getComponentType**

[IRPComponent](#) **getComponentType**()

get property componentType

Throws:

[RhapsodyRuntimeException](#)

getNode

[IRPNode](#) **getNode**()

get property node

Throws:

[RhapsodyRuntimeException](#)

setComponentType

void **setComponentType**([IRPComponent](#) componentType)

set property componentType

Throws:

[RhapsodyRuntimeException](#)

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SUMMARY: NESTED | FIELD | CONSTR | METHOD

DETAIL: FIELD | CONSTR | METHOD

com.telelogic.rhapsody.core Interface IRPConditionMark

All Superinterfaces:

[IRPMessage](#), [IRPModelElement](#)

```
public interface IRPConditionMark
extends IRPMessage
```

The IRPConditionMark interface represents condition marks in sequence diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPMessage](#)

[addSourceExecutionOccurrence](#), [addTargetExecutionOccurrence](#), [getActualParameterList](#), [getCommunicationConnection](#), [getCondition](#), [getDurationConstraint](#), [getDurationObservation](#), [getFlowPort](#), [getFormalInterfaceItem](#), [getFormalType](#), [getInvariant](#), [getMessageType](#), [getPort](#), [getReturnValue](#), [getSequenceNumber](#), [getSignature](#), [getSource](#), [getSourceExecutionOccurrence](#), [getTarget](#), [getTargetExecutionOccurrence](#), [getTimeConstraint](#), [getTimeObservation](#), [getTimerValue](#), [reroute](#), [setActualParameterList](#), [setDurationConstraint](#), [setDurationObservation](#), [setFlowPort](#), [setFormalInterfaceItem](#), [setFormalType](#), [setInvariant](#), [setPort](#), [setReturnValue](#), [setTimeConstraint](#), [setTimeObservation](#), [setTimerValue](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),
[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#),
[getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#),
[getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),
[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),
[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
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DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.telelogic.rhapsody.core Interface IRPConfiguration

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPConfiguration
extends IRPModelElement
```

The IRPConfiguration interface represents a code generation configuration within a specific component.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addInitialInstance (IRPModelElement newVal) method addInitialInstance
void	addPackageToInstrumentationScope (IRPPackage pVal) method addPackageToInstrumentationScope
void	addToInstrumentationScope (IRPClassifier pVal) method addToInstrumentationScope
void	deleteInitialInstance (IRPModelElement newVal) method deleteInitialInstance
java.lang.String	getAdditionalSources () get property additionalSources
int	getAllElementsInInstrumentationScope () Checks whether the instrumentation mode selected for the configuration applies to all elements or just selected elements.
java.lang.String	getBuildSet () get property buildSet
java.lang.String	getCompilerSwitches () get property compilerSwitches

Method Summary	
java.lang.String	getDirectory (int fullpath, java.lang.String nawName) method getDirectory
java.lang.String	getExecutableName () method getExecutableName
int	getGenerateCodeForActors () get property generateCodeForActors
java.lang.String	getIncludePath () get property includePath
IRPCollection	getInitialInstances () get method initialInstances
java.lang.String	getInitializationCode () get property initializationCode
IRPCollection	getInstrumentationScope () get property instrumentationScope
java.lang.String	getInstrumentationType () get property instrumentationType
IRPComponent	getItsComponent () method getItsComponent
java.lang.String	getLibraries () get property libraries
java.lang.String	getLinkSwitches () get property linkSwitches
java.lang.String	getMainName () method getMainName
java.lang.String	getMakefileName (int fullpath) method getMakefileName
java.lang.String	getPath (int fullPath) get property path
java.lang.String	getScopeType () get property scopeType
java.lang.String	getStandardHeaders () get property standardHeaders
java.lang.String	getStatechartImplementation () Returns the statechart implementation specified for the configuration - reusable or flat.
java.lang.String	getTargetName (int fullpath) method getTargetName
java.lang.String	getTimeModel () Returns the time model specified for the configuration - real or simulated.

Method Summary	
int	needsCodeGeneration () method needsCodeGeneration checks is code generation is needed
void	removeFromInstrumentationScope (IRPClassifier pVal) method removeFromInstrumentationScope
void	removePackageFromInstrumentationScope (IRPPackage pVal) method removePackageFromInstrumentationScope
void	setAdditionalSources (java.lang.String additionalSources) set property additionalSources
void	setAllElementsInInstrumentationScope (int allElementsInInstrumentationScope) set property allElementsInInstrumentationScope
void	setBuildSet (java.lang.String buildSet) set property buildSet
void	setCompilerSwitches (java.lang.String compilerSwitches) set property compilerSwitches
void	setDirectory (int fullpath, java.lang.String newName) method setDirectory
void	setGenerateCodeForActors (int generateCodeForActors) set property generateCodeForActors
void	setIncludePath (java.lang.String includePath) set property includePath
void	setInitializationCode (java.lang.String initializationCode) set property initializationCode
void	setInstrumentationType (java.lang.String instrumentationType) set property instrumentationType
void	setItsComponent (IRPComponent newVal) method setItsComponent
void	setLibraries (java.lang.String libraries) set property libraries
void	setLinkSwitches (java.lang.String linkSwitches) set property linkSwitches
void	setScopeType (java.lang.String scopeType) set property scopeType
void	setStandardHeaders (java.lang.String standardHeaders) set property standardHeaders
void	setStatechartImplementation (java.lang.String statechartImplementation) Specifies the statechart implementation to use for the configuration.
void	setTimeModel (java.lang.String timeModel) Specifies the time model to use for the configuration.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addInitialInstance**

void **addInitialInstance** ([IRPModelElement](#) newVal)

method addInitialInstance

Throws:

[RhapsodyRuntimeException](#)

addPackageToInstrumentationScope

void **addPackageToInstrumentationScope** ([IRPPackage](#) pVal)

method addPackageToInstrumentationScope

Throws:

[RhapsodyRuntimeException](#)

addToInstrumentationScope

```
void addToInstrumentationScope(IRPClassifier pVal)
```

method addToInstrumentationScope

Throws:

[RhapsodyRuntimeException](#)

deleteInitialInstance

```
void deleteInitialInstance(IRPModelElement newVal)
```

method deleteInitialInstance

Throws:

[RhapsodyRuntimeException](#)

getAdditionalSources

```
java.lang.String getAdditionalSources ()
```

get property additionalSources

Throws:

[RhapsodyRuntimeException](#)

getAllElementsInInstrumentationScope

```
int getAllElementsInInstrumentationScope ()
```

Checks whether the instrumentation mode selected for the configuration applies to all elements or just selected elements. This corresponds to the Instrumentation Scope options in the Advanced Instrumentation Settings dialog for configurations.

Returns:

1 if the instrumentation mode applies to all elements, 0 otherwise

getBuildSet

```
java.lang.String getBuildSet ()
```

get property buildSet

Throws:

[RhapsodyRuntimeException](#)

getCompilerSwitches

java.lang.String **getCompilerSwitches** ()

get property compilerSwitches

Throws:

[RhapsodyRuntimeException](#)

getDirectory

java.lang.String **getDirectory** (int fullpath,
java.lang.String nawName)

method getDirectory

Throws:

[RhapsodyRuntimeException](#)

getExecutableName

java.lang.String **getExecutableName** ()

method getExecutableName

Throws:

[RhapsodyRuntimeException](#)

getGenerateCodeForActors

int **getGenerateCodeForActors** ()

get property generateCodeForActors

Throws:

[RhapsodyRuntimeException](#)

getIncludePath

java.lang.String **getIncludePath** ()

get property includePath

Throws:

[RhapsodyRuntimeException](#)

getInitialInstances

[IRPCollection](#) **getInitialInstances** ()

get method initialInstances

Throws:

[RhapsodyRuntimeException](#)

getInitializationCode

java.lang.String **getInitializationCode** ()

get property initializationCode

Throws:

[RhapsodyRuntimeException](#)

getInstrumentationScope

[IRPCollection](#) **getInstrumentationScope** ()

get property instrumentationScope

Throws:

[RhapsodyRuntimeException](#)

getInstrumentationType

java.lang.String **getInstrumentationType** ()

get property instrumentationType

Throws:

[RhapsodyRuntimeException](#)

getItsComponent

[IRPComponent](#) **getItsComponent** ()

method getItsComponent

Throws:

[RhapsodyRuntimeException](#)

getLibraries

java.lang.String **getLibraries** ()

get property libraries

Throws:

[RhapsodyRuntimeException](#)

getLinkSwitches

java.lang.String **getLinkSwitches**()

get property linkSwitches

Throws:

[RhapsodyRuntimeException](#)

getMainName

java.lang.String **getMainName**()

method getMainName

Throws:

[RhapsodyRuntimeException](#)

getMakefileName

java.lang.String **getMakefileName**(int fullpath)

method getMakefileName

Throws:

[RhapsodyRuntimeException](#)

getPath

java.lang.String **getPath**(int fullPath)

get property path

Throws:

[RhapsodyRuntimeException](#)

getScopeType

java.lang.String **getScopeType**()

get property scopeType

Throws:

[RhapsodyRuntimeException](#)

getStandardHeaders

java.lang.String **getStandardHeaders**()

get property standardHeaders

Throws:

getLinkSwitches

getStatechartImplementation

java.lang.String **getStatechartImplementation**()

Returns the statechart implementation specified for the configuration - reusable or flat.

Returns:

the statechart implementation specified for the configuration

Throws:

[RhapsodyRuntimeException](#)

getTargetName

java.lang.String **getTargetName**(int fullpath)

method getTargetName

Throws:

[RhapsodyRuntimeException](#)

getTimeModel

java.lang.String **getTimeModel**()

Returns the time model specified for the configuration - real or simulated.

Returns:

the time model specified for the configuration

Throws:

[RhapsodyRuntimeException](#)

needsCodeGeneration

int **needsCodeGeneration**()

method needsCodeGeneration checks is code generation is needed

Throws:

[RhapsodyRuntimeException](#)

removeFromInstrumentationScope

void **removeFromInstrumentationScope**([IRPClassifier](#) pVal)

method removeFromInstrumentationScope

Throws:

[RhapsodyRuntimeException](#)

removePackageFromInstrumentationScope

void **removePackageFromInstrumentationScope** ([IRPPackage](#) pVal)

method removePackageFromInstrumentationScope

Throws:

[RhapsodyRuntimeException](#)

setAdditionalSources

void **setAdditionalSources** (java.lang.String additionalSources)

set property additionalSources

Throws:

[RhapsodyRuntimeException](#)

setAllElementsInInstrumentationScope

void **setAllElementsInInstrumentationScope** (int allElementsInInstrumentationScope)

set property allElementsInInstrumentationScope

Throws:

[RhapsodyRuntimeException](#)

setBuildSet

void **setBuildSet** (java.lang.String buildSet)

set property buildSet

Throws:

[RhapsodyRuntimeException](#)

setCompilerSwitches

void **setCompilerSwitches** (java.lang.String compilerSwitches)

set property compilerSwitches

Throws:

[RhapsodyRuntimeException](#)

setDirectory

void **setDirectory** (int fullpath,
 java.lang.String newName)

method setDirectory

Throws:

[RhapsodyRuntimeException](#)

setGenerateCodeForActors

void **setGenerateCodeForActors**(int generateCodeForActors)

set property generateCodeForActors

Throws:

[RhapsodyRuntimeException](#)

setIncludePath

void **setIncludePath**(java.lang.String includePath)

set property includePath

Throws:

[RhapsodyRuntimeException](#)

setInitializationCode

void **setInitializationCode**(java.lang.String initializationCode)

set property initializationCode

Throws:

[RhapsodyRuntimeException](#)

setInstrumentationType

void **setInstrumentationType**(java.lang.String instrumentationType)

set property instrumentationType

Throws:

[RhapsodyRuntimeException](#)

setItsComponent

void **setItsComponent**([IRPComponent](#) newVal)

method setItsComponent

Throws:

[RhapsodyRuntimeException](#)

setLibraries

void **setLibraries**(java.lang.String libraries)

set property libraries

Throws:

[RhapsodyRuntimeException](#)

setLinkSwitches

void **setLinkSwitches**(java.lang.String linkSwitches)

set property linkSwitches

Throws:

[RhapsodyRuntimeException](#)

setScopeType

void **setScopeType**(java.lang.String scopeType)

set property scopeType

Throws:

[RhapsodyRuntimeException](#)

setStandardHeaders

void **setStandardHeaders**(java.lang.String standardHeaders)

set property standardHeaders

Throws:

[RhapsodyRuntimeException](#)

setStatechartImplementation

void **setStatechartImplementation**(java.lang.String statechartImplementation)

Specifies the statechart implementation to use for the configuration. The parameter value can be "reusable" or "flat". Note that the parameter must be lower-case.

Parameters:

statechartImplementation - the statechart implementation to use for the configuration

Throws:

[RhapsodyRuntimeException](#)

setTimeModel

```
void setTimeModel(java.lang.String timeModel)
```

Specifies the time model to use for the configuration. The parameter value can be "real" or "simulated". Note that the parameter must be lower-case.

Parameters:

timeModel - the time model to use for the configuration

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPConnector

All Superinterfaces:

[IRPModelElement](#), [IRPStateVertex](#)

All Known Subinterfaces:

[IRPPin](#)

```
public interface IRPConnector
extends IRPStateVertex
```

The IRPConnector interface represents the characteristics shared by the various types of "connector" elements that can be included in a statechart, such as condition connectors, history connectors, join sync bar connectors, and fork sync bar connectors.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPTransition	createDefaultTransition (IRPState from) Creates a default transition leading to this connector, within the state specified.
java.lang.String	getConnectorType () Returns the type of the connector: Condition, Diagram, EnterExit, Fork, History, Join, Junction, Termination, InPin, OutPin, or InOutPin.
IRPCollection	getDerivedInEdges () Returns a collection of the transitions coming into the connector.
IRPTransition	getDerivedOutEdge () Returns the transition exiting the connector.
IRPSwimlane	getItsSwimlane () For connectors in a swimlane, returns the swimlane that contains the connector.
IRPState	getOfState () For history connectors, returns the state that the history connector belongs to.

Method Summary

int	<u>isConditionConnector</u> () Checks whether the connector is a condition connector.
int	<u>isDiagramConnector</u> () Checks whether the connector is a diagram connector.
int	<u>isForkConnector</u> () Checks whether the connector is a fork sync bar connector.
int	<u>isHistoryConnector</u> () Checks whether the connector is a history connector.
int	<u>isJoinConnector</u> () Checks whether the connector is a join sync bar connector.
int	<u>isJunctionConnector</u> () Checks whether the connector is a junction connector.
int	<u>isStubConnector</u> () Checks whether the connector is an EnterExit point.
int	<u>isTerminationConnector</u> () Checks whether the connector is a termination connector.
void	<u>setItsSwimlane</u> (<u>IRPSwimlane</u> pVal) Specifies the swimlane that should contain this connector.
void	<u>setOfState</u> (<u>IRPState</u> OfState) For history connectors, specifies the state for which the connector should maintain historical state information.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayHTML](#), [setDisplayRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**createDefaultTransition**

[IRPTransition](#) **createDefaultTransition**([IRPState](#) from)

Creates a default transition leading to this connector, within the state specified.

Parameters:

from - the state for which the default transition should be created

Returns:

the default transition that was created

getConnectorType

java.lang.String **getConnectorType**()

Returns the type of the connector: Condition, Diagram, EnterExit, Fork, History, Join, Junction, Termination, InPin, OutPin, or InOutPin.

Returns:

the type of the connector

getDerivedInEdges

[IRPCollection](#) **getDerivedInEdges**()

Returns a collection of the transitions coming into the connector.

Returns:

the transitions coming into the connector (a collection of [IRPTransition](#) elements)

getDerivedOutEdge

[IRPTransition](#) **getDerivedOutEdge**()

Returns the transition exiting the connector.

Returns:

the transition exiting the connector

getItsSwimlane

[IRPSwimlane](#) `getItsSwimlane ()`

For connectors in a swimlane, returns the swimlane that contains the connector.

Returns:

the swimlane that contains the connector

getOfState

[IRPState](#) `getOfState ()`

For history connectors, returns the state that the history connector belongs to. This is the state for which the history connector maintains historical state information.

Returns:

the state that this history connector belongs to

isConditionConnector

`int isConditionConnector ()`

Checks whether the connector is a condition connector.

Returns:

1 if the connector is a condition connector, 0 otherwise

isDiagramConnector

`int isDiagramConnector ()`

Checks whether the connector is a diagram connector.

Returns:

1 if the connector is a diagram connector, 0 otherwise

isForkConnector

`int isForkConnector ()`

Checks whether the connector is a fork sync bar connector.

Returns:

1 if the connector is a fork sync bar connector, 0 otherwise

isHistoryConnector

```
int isHistoryConnector()
```

Checks whether the connector is a history connector.

Returns:

1 if the connector is a history connector, 0 otherwise

isJoinConnector

```
int isJoinConnector()
```

Checks whether the connector is a join sync bar connector.

Returns:

1 if the connector is a join sync bar connector, 0 otherwise

isJunctionConnector

```
int isJunctionConnector()
```

Checks whether the connector is a junction connector.

Returns:

1 if the connector is a junction connector, 0 otherwise

isStubConnector

```
int isStubConnector()
```

Checks whether the connector is an EnterExit point. (Prior to version 6.0 of Rhapsody, EnterExit points were known as stub connectors.)

Returns:

1 if the connector is an EnterExit point, 0 otherwise

isTerminationConnector

```
int isTerminationConnector()
```

Checks whether the connector is a termination connector.

Returns:

1 if the connector is a termination connector, 0 otherwise

setItsSwimlane

```
void setItsSwimlane(IRPSwimlane pVal)
```

Specifies the swimlane that should contain this connector.

Parameters:

pVal - the swimlane that should contain this connector

setOfState

```
void setOfState(IRPState OfState)
```

For history connectors, specifies the state for which the connector should maintain historical state information.

Parameters:

OfState - the state for which the connector should maintain historical state information

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com.telelogic.rhapsody.core Interface IRPConstraint

All Superinterfaces:

[IRPAnnotation](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPConstraint
extends IRPAnnotation
```

The IRPConstraint interface represents constraints in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

[IRPCollection](#)

[getConstraintsByMe](#) ()

Returns all of the model elements affected by this constraint.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

[addAnchor](#), [getAnchoredByMe](#), [getBody](#), [getSpecification](#), [getSpecificationRTF](#), [isSpecificationRTF](#), [removeAnchor](#), [setBody](#), [setSpecification](#), [setSpecificationRTF](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAResource](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getConstraintsByMe**

[IRPCollection](#) [getConstraintsByMe](#)()

Returns all of the model elements affected by this constraint.

Returns:

a collection of all the model elements affected by this constraint.

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com.telelogic.rhapsody.core Interface IRPContextSpecification

All Superinterfaces:

[IRPModelElement](#), [IRPValueSpecification](#)

```
public interface IRPContextSpecification
extends IRPValueSpecification
```

The IRPContextSpecification interface represents the exact context of an object in a hierarchy. The context consists of two collections: 1) a collection of strings representing the model elements that constitute the full path to the element 2) a collection of the relevant indices for each of the model elements in the first collection. This makes it possible to point to a specific instance of the target model element when multiplicity is greater than one. The collection must consist of integers provided as strings.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getMultiplicities () Returns the collection of the relevant indices for each of the model elements in the "value" collection.
IRPCollection	getValue () Returns the collection of strings that represents the model elements that constitute the full path to the element.
void	setMultiplicities (IRPCollection multiplicities) Specifies the collection of indices to use for the model elements in the "value" collection.
void	setValue (IRPCollection value) Specifies the collection of strings that represents the model elements that constitute the full path to the element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getMultiplicities**

[IRPCollection](#) [getMultiplicities](#)()

Returns the collection of the relevant indices for each of the model elements in the "value" collection. The collection consists of integers provided as strings.

Returns:

the collection of the relevant indices for each of the model elements in the "value" collection

getValue

[IRPCollection](#) [getValue](#)()

Returns the collection of strings that represents the model elements that constitute the full path to the element.

Returns:

the collection of strings that represents the model elements that constitute the full path to the element

setMultiplicities

void **setMultiplicities** ([IRPCollection](#) multiplicities)

Specifies the collection of indices to use for the model elements in the "value" collection. . The collection must consist of integers provided as strings.

Parameters:

`multiplicities` - the collection of indices to use for the model elements in the "value" collection

setValue

void **setValue** ([IRPCollection](#) value)

Specifies the collection of strings that represents the model elements that constitute the full path to the element.

Parameters:

`value` - the collection of strings to use to represent the model elements that constitute the full path to the element

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com.telelogic.rhapsody.core Interface IRPControlledFile

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPControlledFile
extends IRPUnit
```

The IRPControlledFile interface represents a controlled file in a Rhapsody model. To access an element's controlled files, use the method [IRPModelElement.getControlledFiles\(\)](#).

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getFullPathFileName() Returns the full path of the controlled file.
void	open() Opens the controlled file, using the associated program.
void	setTarget (java.lang.String filename) Specifies a different file to associate with the Controlled File element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getFullPathFileName**

```
java.lang.String getFullPathFileName ()
```

Returns the full path of the controlled file.

Returns:

the full path of the controlled file

open

```
void open ()
```

Opens the controlled file, using the associated program.

setTarget

```
void setTarget (java.lang.String filename)
```

Specifies a different file to associate with the Controlled File element. Note that this must be a file that already exists in the project directory.

Parameters:

`filename` - the file to associate with the Controlled File element - must be a file that already exists in the project directory

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com.telelogic.rhapsody.core Interface IRPDependency

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPHyperLink](#)

```
public interface IRPDependency
extends IRPModelElement
```

The IRPDependency interface represents dependencies in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPModelElement	getDependent () Returns the source element in the dependency relation, meaning the element that depends on the other element.
IRPModelElement	getDependsOn () Returns the target element in the dependency relation, meaning the element on which the first element depends.
int	isNeedToMigrate () Checks whether the dependency represents an OSLC link that has not yet been migrated to Rhapsody Model Manager.
void	setDependent (IRPModelElement dependent) Sets the source element in the dependency relation, meaning the element that depends on the other element.
void	setDependsOn (IRPModelElement dependsOn) Sets the target element in the dependency relation, meaning the element on which the first element depends

Method Summary

void	setLinkType (java.lang.String linkType) For dependencies on remote artifacts, sets the type of the link.
void	setOwnerWithoutChangingDependent (IRPModelElement newOwner) Specifies a new owner for the dependency, without changing the dependent model element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getDependent

[IRPModelElement](#) [getDependent](#) ()

Returns the source element in the dependency relation, meaning the element that depends on the other element.

Returns:

the source element in the dependency relation

getDependsOn

[IRPModelElement](#) getDependsOn ()

Returns the target element in the dependency relation, meaning the element on which the first element depends.

Returns:

the target element in the dependency relation

isNeedToMigrate

int isNeedToMigrate ()

Checks whether the dependency represents an OSLC link that has not yet been migrated to Rhapsody Model Manager.

Returns:

1 if the dependency represents an OSLC link that has not yet been migrated, 0 otherwise

setDependent

void setDependent ([IRPModelElement](#) dependent)

Sets the source element in the dependency relation, meaning the element that depends on the other element.

Parameters:

dependent - the model element that should be used as the source element in the dependency relation

setDependsOn

void setDependsOn ([IRPModelElement](#) dependsOn)

Sets the target element in the dependency relation, meaning the element on which the first element depends

Parameters:

dependsOn - the model element that should be used as the target element in the dependency relation

setLinkType

void setLinkType (java.lang.String linkType)

For dependencies on remote artifacts, sets the type of the link.

Parameters:

linkType - the type of link. The value should be one of the values defined in [IRPModelElement.OSLCLink.Types](#)

Throws:

[RhapsodyRuntimeException](#)

setOwnerWithoutChangingDependent

void **setOwnerWithoutChangingDependent** ([IRPModelElement](#) newOwner)

Specifies a new owner for the dependency, without changing the dependent model element. Note that if you call the method `IRPModelElement.setOwner` on a dependency, it will change both the owner and the dependent element.

Parameters:

`newOwner` - the model element that should be the owner of the dependency

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPDeploymentDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPDeploymentDiagram
extends IRPDiagram
```

The IRPDeploymentDiagram interface represents deployment diagrams in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPDestructionEvent

All Superinterfaces:

[IRPMessage](#), [IRPModelElement](#)

```
public interface IRPDestructionEvent
extends IRPMessage
```

The IRPDestructionEvent interface represents destruction events in sequence diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPMessage](#)

[addSourceExecutionOccurrence](#), [addTargetExecutionOccurrence](#), [getActualParameterList](#), [getCommunicationConnection](#), [getCondition](#), [getDurationConstraint](#), [getDurationObservation](#), [getFlowPort](#), [getFormalInterfaceItem](#), [getFormalType](#), [getInvariant](#), [getMessageType](#), [getPort](#), [getReturnValue](#), [getSequenceNumber](#), [getSignature](#), [getSource](#), [getSourceExecutionOccurrence](#), [getTarget](#), [getTargetExecutionOccurrence](#), [getTimeConstraint](#), [getTimeObservation](#), [getTimerValue](#), [reroute](#), [setActualParameterList](#), [setDurationConstraint](#), [setDurationObservation](#), [setFlowPort](#), [setFormalInterfaceItem](#), [setFormalType](#), [setInvariant](#), [setPort](#), [setReturnValue](#), [setTimeConstraint](#), [setTimeObservation](#), [setTimerValue](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),
[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#),
[getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#),
[getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),
[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),
[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

[Package](#) [Class](#) [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

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[FRAMES](#) [NO FRAMES](#) [All Classes](#)

SUMMARY: NESTED | FIELD | CONSTR | METHOD

DETAIL: FIELD | CONSTR | METHOD

[Package](#) [Class](#) [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#) [All Classes](#)

SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.telelogic.rhapsody.core Interface IRPDiagram

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPActivityDiagram](#), [IRPCollaborationDiagram](#), [IRPComponentDiagram](#), [IRPDeploymentDiagram](#),
[IRPObjectModelDiagram](#), [IRPPanelDiagram](#), [IRPSequenceDiagram](#), [IRPStatechartDiagram](#),
[IRPStructureDiagram](#), [IRPTimingDiagram](#), [IRPUseCaseDiagram](#)

```
public interface IRPDiagram
extends IRPUnit
```

The IRPDiagram interface contains the methods shared by all the interfaces that represent specific types of diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPGraphElement	addFreeShapeByType (java.lang.String metaType, IRPCollection xPoints, IRPCollection yPoints) Adds a free shape of the type specified, using the x coordinates and y coordinates provided.
IRPGraphElement	addImage (java.lang.String filename, int xPositon, int yPositon, int nWidth, int nHeight) Adds an image to the diagram, using the specified file, starting point, width, and height.
IRPGraphEdge	addNewEdgeByType (java.lang.String metaType, IRPGraphElement src, int xSrcPosition, int ySrcPosition, IRPGraphElement trg, int xTrgPosition, int yTrgPosition) Adds a connector element of the specified type to the diagram, using the source and target elements specified.
IRPGraphEdge	

Method Summary	
	<p>addNewEdgeForElement (IRPModelElement element, IRPGraphNode src, int xSrcPosition, int ySrcPosition, IRPGraphNode trg, int xTrgPosition, int yTrgPosition)</p> <p>Adds a connector graphical element to the diagram to represent the specified model element.</p>
IRPGraphNode	<p>addNewNodeByType (java.lang.String metaType, int xPosition, int yPosition, int nWidth, int nHeight)</p> <p>Adds a diagram element of the specified type to the diagram, using the position and dimensions specified.</p>
IRPGraphNode	<p>addNewNodeForElement (IRPModelElement element, int xPosition, int yPosition, int nWidth, int nHeight)</p> <p>Adds a graphical element to the diagram to represent the specified model element.</p>
IRPGraphElement	<p>addTextBox (java.lang.String text, int xPosition, int yPosition, int nWidth, int nHeight)</p> <p>Adds a text box using the specified text, starting point, width, and height.</p>
void	<p>closeDiagram ()</p> <p>Closes the diagram.</p>
void	<p>completeRelations (IRPCollection graphElements, int selectedToAll)</p> <p>Adds connectors to the diagram to reflect the existing relations between the specified elements.</p>
IRPDiagram	<p>createDiagramView (IRPModelElement owner, IRPCollection customViews)</p> <p>Creates a diagram view based on this diagram.</p>
IRPCollection	<p>getCorrespondingGraphicElements (IRPModelElement modelElement)</p> <p>Returns the graphical elements that represent the specified model element in the diagram.</p>
IRPCollection	<p>getCustomViews ()</p> <p>Gets the custom views that were applied to this diagram view.</p>
IRPDiagram	<p>getDiagramViewOf ()</p> <p>For diagram views, gets the diagram on which the diagram view is based.</p>
IRPCollection	<p>getDiagramViews ()</p> <p>Gets the diagram views that are based on this diagram.</p>
IRPCollection	<p>getElementsInDiagram ()</p> <p>Returns a collection of all the model elements in the diagram.</p>
IRPCollection	<p>getGraphicalElements ()</p> <p>Returns a collection of all the graphical elements in the diagram.</p>
java.lang.String	<p>getLastVisualizationModifiedTime ()</p> <p>Returns the time at which the visual representation of the diagram was last changed.</p>
void	<p>getPicture (java.lang.String filename)</p> <p>Saves the diagram as an emf format file, using the path and filename provided as a parameter.</p>

Method Summary

IRPCollection	getPictureAs (java.lang.String firstFileName, java.lang.String imageFormat, int getImageMaps, IRPCollection diagrammap) Saves the diagram in the specified graphic format, breaking the diagram into a number of files if necessary.
IRPCollection	getPictureAsDividedMetafiles (java.lang.String firstFileName) Saves the diagram as an emf format file, breaking the diagram into a number of such files if necessary.
void	getPictureEx (java.lang.String filename, java.lang.String exportScale, int smartZoom) method getPictureEx
IRPCollection	getPicturesWithImageMap (java.lang.String firstFileName, IRPCollection diagrammap) Saves the diagram as an emf format file, breaking the diagram into a number of files if necessary.
int	isDiagramView () Checks whether the diagram is a diagram view
int	isOpen () method isOpen
int	isShowDiagramFrame () Checks whether the diagram frame is currently visible.
void	openDiagram () Opens the diagram.
IRPAXViewCtrl	openDiagramView () Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).
void	populateDiagram (IRPCollection elementsToPopulate, IRPCollection relationsTypes, java.lang.String createContent) Populates the diagram with the elements and types of relations specified.
void	rearrangePorts (IRPCollection pGraphNodes) Improves the graphic layout of ports on each of the specified graphic elements.
void	removeGraphElements (IRPCollection elementsToRemove) Removes the specified graphic elements from the diagram.
void	setCustomViews (IRPCollection customViews) Specifies which custom views should be applied to this diagram view.
void	setShowDiagramFrame (int bShow) Shows/hides the diagram frame.
int	updateViewOnServer (int enforceUpdate) Updates the view for the diagram on the Rhapsody Model Manager server.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addFreeShapeByType**

```
IRPGraphElement addFreeShapeByType(java.lang.String metaType,
                                     IRPCollection xPoints,
                                     IRPCollection yPoints)
```

Adds a free shape of the type specified, using the x coordinates and y coordinates provided.

Parameters:

- metaType - the type of shape to add. The possible values for this parameter are: "Polyline", "Polygon", "Rectangle", "Polycurve", "Closed Curve", "Ellipse".
- xPoints - collection of integers representing the x coordinates for the shape
- yPoints - collection of integers representing the y coordinates for the shape

Returns:

the new shape that was created

addImage

```
IRPGraphElement addImage(java.lang.String filename,
                           int xPosition,
                           int yPosition,
                           int nWidth,
                           int nHeight)
```

Adds an image to the diagram, using the specified file, starting point, width, and height.

Parameters:

`filename` - the full path to the image
`xPosition` - the x coordinate for the top left corner of the image, in pixels
`yPosition` - the y coordinate for the top left corner of the image, in pixels
`nWidth` - the width of the image, in pixels
`nHeight` - the height of the image, in pixels

Returns:

the new image element that was created

addNewEdgeByType

```
IRPGraphEdge addNewEdgeByType(java.lang.String metaType,
                                  IRPGraphElement src,
                                  int xSrcPosition,
                                  int ySrcPosition,
                                  IRPGraphElement trg,
                                  int xTrgPosition,
                                  int yTrgPosition)
```

Adds a connector element of the specified type to the diagram, using the source and target elements specified. Note that this method can only be used for connector elements that only have graphical representations and are not actual elements in the model. "Ordinary" connector elements are added to a diagram by carrying out two steps: 1) adding the new element to your model 2) adding a graphical representation of the element to the diagram using the method `IRPDiagram.addNewEdgeForElement`.

Parameters:

`metaType` - the type of connector element to add to the diagram. The strings that can be used for this parameter are: "anchor", "compRealization", "Containment Arrow", and "communication path".
`src` - the graphical element that is the source for the connector
`xSrcPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the source graphical element
`ySrcPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the source graphical element
`trg` - the graphical element that is the target for the connector
`xTrgPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the target graphical element
`yTrgPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the target graphical element

Returns:

the graphical element that was added to the diagram

See Also:

[addNewEdgeForElement \(com.telelogic.rhapsody.core.IRPModelElement, com.telelogic.rhapsody.core.IRPGraphNode, int, int, com.telelogic.rhapsody.core.IRPGraphNode, int, int\)](#)

addNewEdgeForElement

```
IRPGraphEdge addNewEdgeForElement (IRPModelElement element,
                                     IRPGraphNode src,
                                     int xSrcPosition,
                                     int ySrcPosition,
                                     IRPGraphNode trg,
                                     int xTrgPosition,
                                     int yTrgPosition)
```

Adds a connector graphical element to the diagram to represent the specified model element.

Parameters:

`element` - the model element to add to the diagram.

`src` - the graphical element that is the source for the connector

`xSrcPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the source graphical element

`ySrcPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the source graphical element

`trg` - the graphical element that is the target for the connector

`xTrgPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the target graphical element

`yTrgPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the target graphical element

Returns:

the connector graphical element that was added to the diagram

addNewNodeType

```
IRPGraphNode addNewNodeType (java.lang.String metaType,
                               int xPosition,
                               int yPosition,
                               int nWidth,
                               int nHeight)
```

Adds a diagram element of the specified type to the diagram, using the position and dimensions specified. Note that this method can only be used for diagram elements that only have graphical representations and are not actual elements in the model. "Ordinary" model elements are added to a diagram by carrying out two steps: 1) adding the new element to your model 2) adding a graphical representation of the element to the diagram using the method `IRPDDiagram.addNewNodeForElement`.

Parameters:

`metaType` - the type of element to add to the diagram. The strings that can be used for this parameter are: "OrState"(for And Line), "Interaction Operand", "Swimlane" (for swimlane divider), "System Border", "PartitionLine", "SDActionBlock" (for action block in sequence diagram), "Note"; panel diagram elements: "Knob", "Gauge", "Meter", "LevelIndicator",

"MatrixDisplay", "DigitalDisplay", "Led", "OnOffSwitch", "PushButton", "ButtonArray", "TextBox", "Slider"; free shapes: "Polyline", "Ploygon", "Rectangle", "Polycurve", "Closed Curve", "Ellipse", "Image".

`xPosition` - the position of the left edge of the graphical object, in pixels, relative to the left edge of the diagram

`yPosition` - the position of the top edge of the graphical object, in pixels, relative to the top edge of the diagram

`nWidth` - the width of the graphical object

`nHeight` - the height of the graphical object

Returns:

the graphical element that was added to the diagram

See Also:

[addNewNodeForElement \(com.telelogic.rhapsody.core.IRPModelElement, int, int, int, int\)](#)

addNewNodeForElement

```
IRPGraphNode addNewNodeForElement (IRPModelElement element,  
                                     int xPosition,  
                                     int yPosition,  
                                     int nWidth,  
                                     int nHeight)
```

Adds a graphical element to the diagram to represent the specified model element. For connector elements, use the method `addNewEdgeForElement`.

Parameters:

`element` - the model element to add to the diagram.

`xPosition` - the position of the left edge of the graphical object, in pixels, relative to the left edge of the diagram

`yPosition` - the position of the top edge of the graphical object, in pixels, relative to the top edge of the diagram

`nWidth` - the width of the graphical object

`nHeight` - the height of the graphical object

Returns:

the graphical element that was added to the diagram

addTextBox

```
IRPGraphElement addTextBox (java.lang.String text,  
                              int xPosition,  
                              int yPosition,  
                              int nWidth,  
                              int nHeight)
```

Adds a text box using the specified text, starting point, width, and height.

Parameters:

`text` - the text that should be displayed

`xPosition` - the x coordinate for the top left corner of the box, in pixels

`yPosition` - the y coordinate for the top left corner of the box, in pixels

`nWidth` - the width of the text box, in pixels

nHeight - the height of the text box, in pixels

Returns:

the new text box that was created

createDiagramView

[IRPDiagram](#) createDiagramView([IRPModelElement](#) owner,
[IRPCollection](#) customViews)

Creates a diagram view based on this diagram.

Parameters:

owner - the element that will be the owner of the diagram view

customViews - collection of the custom views that should be applied to the new diagram view (custom views are IRPPackage objects)

Returns:

the diagram view that was created

Throws:

[RhapsodyRuntimeException](#)

getCustomViews

[IRPCollection](#) getCustomViews ()

Gets the custom views that were applied to this diagram view.

Returns:

the custom views that were applied to this diagram view

Throws:

[RhapsodyRuntimeException](#)

getDiagramViewOf

[IRPDiagram](#) getDiagramViewOf ()

For diagram views, gets the diagram on which the diagram view is based.

Returns:

the diagram on which this diagram view is based

Throws:

[RhapsodyRuntimeException](#)

getDiagramViews

[IRPCollection](#) getDiagramViews ()

Gets the diagram views that are based on this diagram.

Returns:

the diagram views that are based on this diagram

Throws:

isDiagramView

```
int isDiagramView()
```

Checks whether the diagram is a diagram view

Returns:

1 if the diagram is a diagram view, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

openDiagramView

```
IRPAXViewCtrl openDiagramView()
```

Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).

rearrangePorts

```
void rearrangePorts(IRPCollection pGraphNodes)
```

Improves the graphic layout of ports on each of the specified graphic elements. Corresponds to the Rearrange Ports option in the GUI.

Parameters:

`pGraphNodes` - the graphic elements whose ports should be rearranged

Throws:

[RhapsodyRuntimeException](#)

setCustomViews

```
void setCustomViews(IRPCollection customViews)
```

Specifies which custom views should be applied to this diagram view.

Parameters:

`customViews` - collection of custom views that should be applied to this diagram view

Throws:

[RhapsodyRuntimeException](#)

updateViewOnServer

```
int updateViewOnServer(int enforceUpdate)
```

Updates the view for the diagram on the Rhapsody Model Manager server.

Parameters:

`enforceUpdate` - Use 0 to specify that the view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that the view should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

1 if the view for the diagram was updated on the server. If the diagram does not require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

closeDiagram

```
void closeDiagram()
```

Closes the diagram.

completeRelations

```
void completeRelations(IRPCollection graphElements,  
int selectedToAll)
```

Adds connectors to the diagram to reflect the existing relations between the specified elements.

Parameters:

`graphElements` - the elements whose relations should be reflected on the diagram
`selectedToAll` - Use 0 if you just want to display the relations between the specified elements. Use 1 if you would also like to display any existing relations between the specified elements and other elements on the diagram.

getCorrespondingGraphicElements

```
IRPCollection getCorrespondingGraphicElements(IRPModelElement modelElement)
```

Returns the graphical elements that represent the specified model element in the diagram. In cases where the same model element appears multiple times in a single diagram, the collection returned will contain more than one graphical element.

Parameters:

`modelElement` - the model element in the diagram whose graphical elements should be returned

Returns:

the graphical elements that represent the specified model element in the diagram

getElementsInDiagram

```
IRPCollection getElementsInDiagram()
```

Returns a collection of all the model elements in the diagram.

Returns:

collection of all the model elements in the diagram

getGraphicalElements

[IRPCollection](#) `getGraphicalElements()`

Returns a collection of all the graphical elements in the diagram.

Returns:

collection of IRPGraphElement objects, representing all the graphical elements in the diagram.

getLastVisualizationModifiedTime

`java.lang.String` `getLastVisualizationModifiedTime()`

Returns the time at which the visual representation of the diagram was last changed. This takes into account not only the information stored in the diagram element itself, but also information from other elements that is reflected on the diagram, for example, changes to an attribute of a class that is included in the diagram.

Returns:

the time at which the visual representation of the diagram was last changed

getPicture

`void` `getPicture(java.lang.String filename)`

Saves the diagram as an emf format file, using the path and filename provided as a parameter.

Parameters:

`filename` - the full path to use for saving the file

getPictureAs

[IRPCollection](#) `getPictureAs(java.lang.String firstFileName,
java.lang.String imageFormat,
int getImageMaps,
IRPCollection diagrammap)`

Saves the diagram in the specified graphic format, breaking the diagram into a number of files if necessary. The need to break the diagram into a number of files is based on the value of the property General:Graphics:ExportedDiagramScale. If the property is set to a value other than FitToOnePage, more than one file will be created. In addition, this method can be used to retrieve diagram element information that can be used to create an HTML image map.

Parameters:

`firstFileName` - the name to use for the file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is

the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

`imageFormat` - the graphic format in which the diagram should be saved. This can be one of the following: EMF, BMP, JPEG, JPG, TIFF.

`getImageMaps` - use this argument to indicate whether the method should also provide a collection of `IRPImageMap` objects that can be used to construct an HTML image map for the diagram. (Use 1 if you want this information, else use 0.)

`diagrammap` - The collection to use to store the `IRPImageMap` objects containing the required information for constructing an HTML image map

Returns:

collection that contains the names of the files that were created

getPictureAsDividedMetafiles

[IRPCollection](#) `getPictureAsDividedMetafiles`(java.lang.String firstFileName)

Saves the diagram as an emf format file, breaking the diagram into a number of such files if necessary. The need to break the diagram into a number of files is based on the value of the property `General:Graphics:ExportedDiagramScale`. If the property is set to a value other than `FitToOnePage`, more than one file will be created.

Parameters:

`firstFileName` - the name to use for the first file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

Returns:

collection that contains the names of the files that were created

getPictureEx

```
void getPictureEx(java.lang.String filename,  
                  java.lang.String exportScale,  
                  int smartZoom)
```

method `getPictureEx`

Throws:

[RhapsodyRuntimeException](#)

getPicturesWithImageMap

[IRPCollection](#) `getPicturesWithImageMap`(java.lang.String firstFileName,
[IRPCollection](#) diagrammap)

Saves the diagram as an emf format file, breaking the diagram into a number of files if necessary. The need to break the diagram into a number of files is based on the value of the property `General:Graphics:ExportedDiagramScale`. If the property is set to a value other than `FitToOnePage`, more than one file will be created. In addition, this method retrieves diagram element information that can be used to create an HTML image map.

Parameters:

`firstFileName` - the name to use for the file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

`diagrammap` - The collection to use to store the IRPImageMap objects containing the required information for constructing an HTML image map

Returns:

collection that contains the names of the files that were created

isOpen

```
int isOpen()
```

method isOpen

Throws:

[RhapsodyRuntimeException](#)

isShowDiagramFrame

```
int isShowDiagramFrame()
```

Checks whether the diagram frame is currently visible.

Returns:

1 if the diagram frame is currently visible, 0 if it is not visible

openDiagram

```
void openDiagram()
```

Opens the diagram.

populateDiagram

```
void populateDiagram(IRPCollection elementsToPopulate,  
                    IRPCollection relationsTypes,  
                    java.lang.String createContent)
```

Populates the diagram with the elements and types of relations specified.

Parameters:

`elementsToPopulate` - the elements (nodes) to add to the diagram

`relationsTypes` - the types of relations that should be drawn on the diagram. You can use the string `AllRelations` to display all types, or use any combination of the following strings: `Composition`, `Association`, `Link`, `Dependency`, `Inheritance`, `Anchor`, `InformationFlow`

`createContent` - the elements that should be included in addition to those specified. This argument can take any of the following strings: `among`, `from`, `to`, `fromto`. If you use "among",

only the elements you specified will be included. If you use one of the other strings, the diagram will also include elements that the selected elements are related to

```
IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
IRPProject project = app.activeProject();
IRPCollection packages = project.getPackages();
IRPCollection relTypes = app.createNewCollection();
relTypes.setSize(3);
relTypes.setString(1, "Composition");
relTypes.setString(2, "Association");
relTypes.setString(3, "Dependency");
IRPObjectModelDiagram diagram2 = project.addObjectModelDiagram("PopulateTest1");
diagram2.populateDiagram(packages, relTypes, "fromto");
```

removeGraphElements

void **removeGraphElements** ([IRPCollection](#) elementsToRemove)

Removes the specified graphic elements from the diagram.

Parameters:

elementsToRemove - a collection of IRPGraphElement objects, representing the graphic elements that should be removed from the diagram

setShowDiagramFrame

void **setShowDiagramFrame** (int bShow)

Shows/hides the diagram frame.

Parameters:

bShow - use 1 to show the diagram frame, 0 to hide the frame.

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com.telelogic.rhapsody.core Interface IRPDiagSynthAPI

```
public interface IRPDiagSynthAPI
```

Method Summary

long	addInstance (long addedToSD, java.lang.String instanceNavExp) DiagSynthAPI : add instance to sequence diagram
int	addSynthSDToModel2 (IRPSequenceDiagram pMscOrig, long synthSD, int openSD) DiagSynthAPI : add synth sequence diagarm to model
long	createSD2 (IRPSequenceDiagram pMscOrig, java.lang.String testedmscname) DiagSynthAPI : create sequence diagram
java.lang.String	getInterfaceName () get property interfaceName
void	receiveMessage (long pTestedSD, long pEventSent) DiagSynthAPI : recieve sequence diagram message
int	removeSynthSDToModel2 (IRPSequenceDiagram pMscOrig) DiagSynthAPI : remove synth sequence diagarm to model
long	sDAddConditionMark (long pTestedSD, java.lang.String instance, java.lang.String text, java.lang.String type) DiagSynthAPI : send condition mark to instance
long	sendMessage (long pTestedSD, java.lang.String source, java.lang.String target, java.lang.String event, java.lang.String operation, java.lang.String type) DiagSynthAPI : send sequence diagram message

Method Detail

addInstance

```
long addInstance(long addedToSD,
                 java.lang.String instanceNavExp)
```

DiagSynthAPI : add instance to sequence diagram

Throws:

[RhapsodyRuntimeException](#)

addSynthSDToModel2

```
int addSynthSDToModel2(IRPSequenceDiagram pMscOrig,  
    long synthSD,  
    int openSD)
```

DiagSynthAPI : add synth sequence diagram to model

Throws:

[RhapsodyRuntimeException](#)

createSD2

```
long createSD2(IRPSequenceDiagram pMscOrig,  
    java.lang.String testedmscname)
```

DiagSynthAPI : create sequence diagram

Throws:

[RhapsodyRuntimeException](#)

receiveMessage

```
void receiveMessage(long pTestedSD,  
    long pEventSent)
```

DiagSynthAPI : receive sequence diagram message

Throws:

[RhapsodyRuntimeException](#)

removeSynthSDToModel2

```
int removeSynthSDToModel2(IRPSequenceDiagram pMscOrig)
```

DiagSynthAPI : remove synth sequence diagram to model

Throws:

[RhapsodyRuntimeException](#)

sDAddConditionMark

```
long sDAddConditionMark(long pTestedSD,  
    java.lang.String instance,  
    java.lang.String text,  
    java.lang.String type)
```

DiagSynthAPI : send condition mark to instance

Throws:

[RhapsodyRuntimeException](#)

sendMessage

```
long sendMessage(long pTestedSD,  
                 java.lang.String source,  
                 java.lang.String target,  
                 java.lang.String event,  
                 java.lang.String operation,  
                 java.lang.String type)
```

DiagSynthAPI : send sequence diagram message

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

```
java.lang.String getInterfaceName()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEnumerationLiteral

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPEnumerationLiteral
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getValue () get property value
void	setValue (java.lang.String value) set property value

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getValue**

java.lang.String **getValue**()

get property value

Throws:

[RhapsodyRuntimeException](#)

setValue

void **setValue**(java.lang.String value)

set property value

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEvent

All Superinterfaces:

[IRPClassifier](#), [IRPInterfaceItem](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPEvent
extends IRPInterfaceItem
```

The IRPEvent interface represents events in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPEvent	getBaseEvent () get property baseEvent
IRPEvent	getSuperEvent () get property baseEvent
void	setBaseEvent (IRPEvent baseEvent) set property baseEvent
void	setSuperEvent (IRPEvent superEvent) set property baseEvent

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

[addArgument](#), [addArgumentBeforePosition](#), [getArguments](#), [getSignature](#), [getSignatureNoArgNames](#), [getSignatureNoArgTypes](#), [matchOnSignature](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getBaseEvent

[IRPEvent](#) getBaseEvent ()

get property baseEvent

Throws:

[RhapsodyRuntimeException](#)

getSuperEvent

[IRPEvent](#) getSuperEvent ()

get property baseEvent

Throws:

[RhapsodyRuntimeException](#)

setBaseEvent

void setBaseEvent ([IRPEvent](#) baseEvent)

set property baseEvent

Throws:

[RhapsodyRuntimeException](#)

setSuperEvent

void setSuperEvent ([IRPEvent](#) superEvent)

set property baseEvent

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEventReception

All Superinterfaces:

[IRPClassifier](#), [IRPInterfaceItem](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPEventReception
extends IRPInterfaceItem
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPEvent	getEvent () method getEvent
void	setEvent (IRPEvent pVal) method setEvent

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

[addArgument](#), [addArgumentBeforePosition](#), [getArguments](#), [getSignature](#),
[getSignatureNoArgNames](#), [getSignatureNoArgTypes](#), [matchOnSignature](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#),
[addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#),
[addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#),
[deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#),
[findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#),
[findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#),
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[getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#),
[getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#),
[getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#),
[getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getEvent**

[IRPEvent](#) [getEvent](#) ()

method [getEvent](#)

Throws:

[RhapsodyRuntimeException](#)

setEvent

void **setEvent**([IRPEvent](#) pVal)

method setEvent

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPExecutionOccurrence

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPExecutionOccurrence
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

[IRPMessage](#)

[getMessage](#) ()

get property message

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyvalue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getMessage

[IRPMessage](#) `getMessage ()`

get property message

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEExternalCheckRegistry

```
public interface IRPEExternalCheckRegistry
```

Method Summary

void	appendFailedElementsComments (java.lang.String strVal) method appendFailedElementsComments
java.lang.String	getInterfaceName () get property interfaceName
void	setFailedElementsComments (java.lang.String strVal) method setFailedElementsComments

Method Detail

appendFailedElementsComments

```
void appendFailedElementsComments (java.lang.String strVal)
```

```
method appendFailedElementsComments
```

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

```
java.lang.String getInterfaceName ()
```

```
get property interfaceName
```

Throws:

[RhapsodyRuntimeException](#)

setFailedElementsComments

void **setFailedElementsComments**(java.lang.String strVal)

method setFailedElementsComments

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPExternalCodeGeneratorInvoker

All Superinterfaces:

[IRPBaseExternalCodeGeneratorTool](#)

```
public interface IRPExternalCodeGeneratorInvoker
extends IRPBaseExternalCodeGeneratorTool
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
void	notifyGenerationDone () method notifyGenerationDone

Methods inherited from interface com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)

[advanceCodeGenProgressBar](#), [shouldAbortCodeGeneration](#), [writeCodeGenMessage](#)

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

notifyGenerationDone

```
void notifyGenerationDone ()
```

method notifyGenerationDone

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEXternalIDERegistry

```
public interface IRPEXternalIDERegistry
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
void	progressTaskAsynchCallback (int nGroupNumber, int nTaskNumber) Initiate Progress Task execution
void	progressTaskAsynchEliminate (int nGroupNumber, int nTaskNumber) Initiate Progress Task execution
void	sendIDETextMessage (java.lang.String message) method SendIDETextMessage

Method Detail

progressTaskAsynchCallback

```
void progressTaskAsynchCallback(int nGroupNumber,
                                int nTaskNumber)
```

Initiate Progress Task execution

Throws:

[RhapsodyRuntimeException](#)

progressTaskAsynchEliminate

```
void progressTaskAsynchEliminate(int nGroupNumber,
                                  int nTaskNumber)
```

Initiate Progress Task execution

Throws:

[RhapsodyRuntimeException](#)

sendIDETextMessage

void **sendIDETextMessage** (java.lang.String message)

method SendIDETextMessage

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName** ()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPEXternalRoundtripInvoker

```
public interface IRPEXternalRoundtripInvoker
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
------------------	---

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPFile

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPFile
extends IRPUnit
```

The IRPFile interface represents a file or folder to be generated during code generation.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addElement (IRPClassifier element, java.lang.String fileFragmentType) method addElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment
void	addModelElement (IRPModelElement element, java.lang.String fileFragmentType) method addModelElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment
void	addPackageToScope (IRPPackage p) method addPackageToScope
void	addTextElement (java.lang.String text) method addTextElement
void	addToScope (IRPClassifier element) method addToScope
IRPCollection	getElements () get property elements
IRPCollection	getFileFragments () get property fileFragments

Method Summary

IRPCollection	getFiles () get property files
java.lang.String	getFileTypes () get property fileTypes
java.lang.String	getImpName (int includingPath) method getImpName
java.lang.String	getPath (int fullPath) get property path
java.lang.String	getSpecName (int includingPath) method getSpecName
int	isEmpty () method isEmpty
void	setFileType (java.lang.String fileType) set property fileType
void	setPath (java.lang.String path) property setPath

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyvalue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addElement**

```
void addElement(IRPClassifier element,
               java.lang.String fileFragmentType)
```

method addElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment

Throws:

[RhapsodyRuntimeException](#)

addModelElement

```
void addModelElement(IRPModelElement element,
                    java.lang.String fileFragmentType)
```

method addModelElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment

Throws:

[RhapsodyRuntimeException](#)

addPackageToScope

```
void addPackageToScope(IRPPackage p)
```

method addPackageToScope

Throws:

[RhapsodyRuntimeException](#)

addTextElement

```
void addTextElement(java.lang.String text)
```

method addTextElement

Throws:

[RhapsodyRuntimeException](#)

addToScope

void **addToScope**([IRPClassifier](#) element)

method addToScope

Throws:

[RhapsodyRuntimeException](#)

getElements

[IRPCollection](#) **getElements**()

get property elements

Throws:

[RhapsodyRuntimeException](#)

getFileFragments

[IRPCollection](#) **getFileFragments**()

get property fileFragments

Throws:

[RhapsodyRuntimeException](#)

getFileType

java.lang.String **getFileType**()

get property fileType

Throws:

[RhapsodyRuntimeException](#)

getFiles

[IRPCollection](#) **getFiles**()

get property files

Throws:

[RhapsodyRuntimeException](#)

getImpName

java.lang.String **getImpName**(int includingPath)

method getImpName

Throws:

[RhapsodyRuntimeException](#)

getPath

java.lang.String **getPath**(int fullPath)

get property path

Throws:

[RhapsodyRuntimeException](#)

getSpecName

java.lang.String **getSpecName**(int includingPath)

method getSpecName

Throws:

[RhapsodyRuntimeException](#)

isEmpty

int **isEmpty**()

method isEmpty

Throws:

[RhapsodyRuntimeException](#)

setFileType

void **setFileType**(java.lang.String fileType)

set property fileType

Throws:

[RhapsodyRuntimeException](#)

setPath

void **setPath**(java.lang.String path)

property setPath

Throws:

getImpName

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com.telelogic.rhapsody.core Interface IRPFileFragment

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPFileFragment
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPModelElement	getFragmentElement () get property fragmentElement
java.lang.String	getFragmentText () get property fragmentText
java.lang.String	getFragmentType () get property fragmentType
void	moveFragmentInOwner (int up) method moveFragmentInOwner
void	setFragmentText (java.lang.String fragmentText) set property fragmentText

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getFragmentElement**

[IRPModelElement](#) **getFragmentElement** ()

get property fragmentElement

Throws:

[RhapsodyRuntimeException](#)

getFragmentText

java.lang.String **getFragmentText** ()

get property fragmentText

Throws:

[RhapsodyRuntimeException](#)

getFragmentType

java.lang.String **getFragmentType** ()

get property fragmentType

Throws:

[RhapsodyRuntimeException](#)

moveFragmentInOwner

void **moveFragmentInOwner**(int up)

method moveFragmentInOwner

Throws:

[RhapsodyRuntimeException](#)

setFragmentText

void **setFragmentText**(java.lang.String fragmentText)

set property fragmentText

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPFlow

All Superinterfaces:

[IRPModelElement](#)

public interface **IRPFlow**
extends [IRPModelElement](#)

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addConveyed (IRPModelElement pElement) method addConveyed
IRPCollection	getConveyed () get property conveyed
java.lang.String	getDirection () get property direction
IRPModelElement	getEnd1 () get property end1
IRPPort	getEnd1Port () get property end1Port
IRPSysMLPort	getEnd1SysMLPort () get property end1SysMLPort
IRPModelElement	getEnd2 () get property end2
IRPPort	getEnd2Port () get property end2Port
IRPSysMLPort	getEnd2SysMLPort () get property end2SysMLPort

Method Summary

void	removeConveyed (IRPModelElement pElement) method removeConveyed
void	setDirection (java.lang.String direction) Specifies the direction to use for the flow.
void	setEnd1 (IRPModelElement end1) set property end1
void	setEnd1ViaPort (IRPInstance pInstance, IRPPort pPort) method setEnd1ViaPort
void	setEnd1ViaSysMLPort (IRPInstance pInstance, IRPSysMLPort pSysMLPort) method setEnd1ViaSysMLPort
void	setEnd2 (IRPModelElement end2) set property end2
void	setEnd2ViaPort (IRPInstance pInstance, IRPPort pPort) method setEnd2ViaPort
void	setEnd2ViaSysMLPort (IRPInstance pInstance, IRPSysMLPort pSysMLPort) method setEnd2ViaSysMLPort

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addConveyed

void **addConveyed**([IRPModelElement](#) pElement)

method addConveyed

Throws:

[RhapsodyRuntimeException](#)

getConveyed

[IRPCollection](#) **getConveyed**()

get property conveyed

Throws:

[RhapsodyRuntimeException](#)

getDirection

java.lang.String **getDirection**()

get property direction

Throws:

[RhapsodyRuntimeException](#)

getEnd1

[IRPModelElement](#) **getEnd1**()

get property end1

Throws:

[RhapsodyRuntimeException](#)

getEnd1Port

[IRPPort](#) **getEnd1Port**()

get property end1Port

Throws:

[RhapsodyRuntimeException](#)

getEnd1SysMLPort

[IRPSysMLPort](#) `getEnd1SysMLPort ()`

get property end1SysMLPort

Throws:

[RhapsodyRuntimeException](#)

getEnd2

[IRPModelElement](#) `getEnd2 ()`

get property end2

Throws:

[RhapsodyRuntimeException](#)

getEnd2Port

[IRPPort](#) `getEnd2Port ()`

get property end2Port

Throws:

[RhapsodyRuntimeException](#)

getEnd2SysMLPort

[IRPSysMLPort](#) `getEnd2SysMLPort ()`

get property end2SysMLPort

Throws:

[RhapsodyRuntimeException](#)

removeConveyed

`void removeConveyed(IRPModelElement pElement)`

method removeConveyed

Throws:

[RhapsodyRuntimeException](#)

setDirection

`void setDirection(java.lang.String direction)`

Specifies the direction to use for the flow.

Parameters:

getEnd1SysMLPort

direction - can be one of the following values: "toEnd1", "toEnd2", "bidirectional"

Throws:

[RhapsodyRuntimeException](#)

setEnd1

void **setEnd1**([IRPModelElement](#) end1)

set property end1

Throws:

[RhapsodyRuntimeException](#)

setEnd1ViaPort

void **setEnd1ViaPort**([IRPInstance](#) pInstance,
[IRPPort](#) pPort)

method setEnd1ViaPort

Throws:

[RhapsodyRuntimeException](#)

setEnd1ViaSysMLPort

void **setEnd1ViaSysMLPort**([IRPInstance](#) pInstance,
[IRPSysMLPort](#) pSysMLPort)

method setEnd1ViaSysMLPort

Throws:

[RhapsodyRuntimeException](#)

setEnd2

void **setEnd2**([IRPModelElement](#) end2)

set property end2

Throws:

[RhapsodyRuntimeException](#)

setEnd2ViaPort

void **setEnd2ViaPort**([IRPInstance](#) pInstance,
[IRPPort](#) pPort)

method setEnd2ViaPort

Throws:

[RhapsodyRuntimeException](#)

setEnd2ViaSysMLPort

```
void setEnd2ViaSysMLPort (IRPInstance pInstance,  
                        IRPSysMLPort pSysMLPort)
```

method setEnd2ViaSysMLPort

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPFlowchart

All Superinterfaces:

[IRPClass](#), [IRPClassifier](#), [IRPModelElement](#), [IRPStatechart](#), [IRPUnit](#)

```
public interface IRPFlowchart
extends IRPStatechart
```

The IRPFlowchart interface represents activities in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPAcceptEventAction	addAcceptEventAction (java.lang.String name, IRPState parent) Adds a new Accept Event Action element to the activity.
IRPAcceptTimeEvent	addAcceptTimeEvent (java.lang.String name, IRPState parent) Adds a new Accept Time Event element to the activity.
IRPPin	addActivityParameter (java.lang.String name) Adds an activity parameter to the frame of the activity
IRPState	addCallBehavior (IRPModelElement referenced) Adds a new Call Behavior element to the activity.
IRPCallOperation	addCallOperation (java.lang.String name, IRPState parent) Adds a new Call Operation element to the activity.
IRPObjectNode	addObjectNode (java.lang.String name, IRPState parent) Adds a new Object Node element to the activity.
IRPState	addReferenceActivity (IRPModelElement referenced) Adds a new Call Behavior element to the activity.
IRPSwimlane	addSwimlane (java.lang.String name) Adds a new swimlane to the activity.
IRPActivityDiagram	

Method Summary

	getFlowchartDiagram () Returns the IRPActivityDiagram object associated with the activity.
int	getIsAnalysisOnly () Checks whether the activity is defined as analysis-only, meaning that it is used only for modeling purposes and code is not generated for the activity.
IRPOperation	getItsOwner () Deprecated. Use <i>IRPModelElement.getOwner</i> instead.
IRPCollection	getSwimlanes () Returns a collection of all the swimlanes in the activity.
void	setIsAnalysisOnly (int isAnalysisOnly) Specifies whether the activity should be defined as analysis-only.
void	setItsOwner (IRPOperation itsOwner) Deprecated. Use <i>IRPModelElement.setOwner</i> instead.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStatechart](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [createGraphics](#), [deleteState](#), [findTrigger](#), [getAllTriggers](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getInheritsFrom](#), [getIsMainBehavior](#), [getIsOverridden](#), [getItsClass](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPicturesWithImageMap](#), [getRootState](#), [getStatechartDiagram](#), [openDiagramView](#), [overrideInheritance](#), [populateDiagram](#), [setAsMainBehavior](#), [setShowDiagramFrame](#), [unoverrideInheritance](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClass](#)

[addClass](#), [addConstructor](#), [addDestructor](#), [addEventReception](#), [addEventReceptionWithEvent](#), [addLink](#), [addLinkToPartViaPort](#), [addReception](#), [addSuperclass](#), [addTriggeredOperation](#), [addType](#), [deleteClass](#), [deleteConstructor](#), [deleteDestructor](#), [deleteEventReception](#), [deleteReception](#), [deleteSuperclass](#), [deleteType](#), [getIsAbstract](#), [getIsActive](#), [getIsBehaviorOverriden](#), [getIsComposite](#), [getIsFinal](#), [getIsReactive](#), [setIsAbstract](#), [setIsActive](#), [setIsBehaviorOverriden](#), [setIsFinal](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addAcceptEventAction**

[IRPAcceptEventAction](#) **addAcceptEventAction**(java.lang.String name, [IRPState](#) parent)

Adds a new Accept Event Action element to the activity.

Parameters:

name - the name to use for the new Accept Event Action element

parent - the diagram element to which the new Accept Event Action element should be added. If the Accept Event Action element is being added to an Action Block, this parameter should be the Action Block. Otherwise, it should be the root state of the diagram (which is

obtained by calling `IRPStatechart.getRootState()`.

Returns:

the Accept Event Action element that was created

addAcceptTimeEvent

[IRPAcceptTimeEvent](#) `addAcceptTimeEvent` (java.lang.String name,
[IRPState](#) parent)

Adds a new Accept Time Event element to the activity.

Parameters:

name - the name to use for the new Accept Time Event element

parent - the diagram element to which the new Accept Time Event element should be added.

If the Accept Time Event element is being added to an Action Block, this parameter should be the Action Block. Otherwise, it should be the root state of the diagram (which is obtained by calling `IRPStatechart.getRootState()`).

Returns:

the Accept Time Event element that was created

addActivityParameter

[IRPPin](#) `addActivityParameter` (java.lang.String name)

Adds an activity parameter to the frame of the activity

Parameters:

name - the name to use for the new activity parameter

Returns:

the activity parameter element that was created

addCallBehavior

[IRPState](#) `addCallBehavior` ([IRPModelElement](#) referenced)

Adds a new Call Behavior element to the activity.

Parameters:

referenced - the activity that the new Call Behavior element should invoke

Returns:

the Call Behavior element that was created

addCallOperation

[IRPCallOperation](#) `addCallOperation` (java.lang.String name,
[IRPState](#) parent)

Adds a new Call Operation element to the activity.

Parameters:

`name` - the name to use for the new Call Operation element
`parent` - the diagram element to which the new Call Operation element should be added. If the Call Operation element is being added to an Action Block, this parameter should be the Action Block. Otherwise, it should be the root state of the diagram (which is obtained by calling `IRPStatechart.getRootState()`).

Returns:

the Call Operation element that was created

addObjectNode

[IRPObjectNode](#) `addObjectNode`(`java.lang.String` name,
[IRPState](#) parent)

Adds a new Object Node element to the activity.

Parameters:

`name` - the name to use for the new Object Node element
`parent` - the diagram element to which the new Object Node element should be added. If the Object Node element is being added to an Action Block, this parameter should be the Action Block. Otherwise, it should be the root state of the diagram (which is obtained by calling `IRPStatechart.getRootState()`).

Returns:

the Object Node element that was created

addReferenceActivity

[IRPState](#) `addReferenceActivity`([IRPModelElement](#) referenced)

Adds a new Call Behavior element to the activity. Performs same action as the `addCallBehavior` method.

Parameters:

`referenced` - the activity that the new Call Behavior element should invoke

Returns:

the Call Behavior element that was created

addSwimlane

[IRPSwimlane](#) `addSwimlane`(`java.lang.String` name)

Adds a new swimlane to the activity.

Parameters:

`name` - the name to use for the new swimlane

Returns:

the swimlane that was created

getFlowchartDiagram

[IRPActivityDiagram](#) getFlowchartDiagram()

Returns the IRPActivityDiagram object associated with the activity.

Returns:

the IRPActivityDiagram object associated with the activity

getIsAnalysisOnly

int getIsAnalysisOnly()

Checks whether the activity is defined as analysis-only, meaning that it is used only for modeling purposes and code is not generated for the activity.

Returns:

1 if the activity is defined as analysis-only, 0 otherwise

getItsOwner

[IRPOperation](#) getItsOwner()

Deprecated. Use *IRPModelElement.getOwner* instead.

getSwimlanes

[IRPCollection](#) getSwimlanes()

Returns a collection of all the swimlanes in the activity.

Returns:

collection of IRPSwimlane objects

setIsAnalysisOnly

void setIsAnalysisOnly(int isAnalysisOnly)

Specifies whether the activity should be defined as analysis-only.

Parameters:

isAnalysisOnly - Use 1 to specify that the activity should be defined as analysis-only. Use 0 to specify that the activity should not be defined as analysis-only.

setItsOwner

void setItsOwner([IRPOperation](#) itsOwner)

Deprecated. Use *IRPModelElement.setOwner* instead.

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com.telelogic.rhapsody.core Interface IRPFlowItem

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPFlowItem
extends IRPClassifier
```

The IRPFlowItem interface represents item flows in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addRepresented (IRPModelElement pElement) Adds an element to the collection of information elements that are represented by the item flow.
IRPCollection	getRepresented () Returns a collection of all the information elements that are represented by the item flow.
void	removeRepresented (IRPModelElement pElement) Removes the specified element from the collection of information elements that are represented by the item flow.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addRepresented**

void **addRepresented**([IRPModelElement](#) pElement)

Adds an element to the collection of information elements that are represented by the item flow.

Parameters:

pElement - the element to add to the collection

getRepresented

[IRPCollection](#) `getRepresented()`

Returns a collection of all the information elements that are represented by the item flow.

Returns:

all the information elements that are represented by the item flow

removeRepresented

void `removeRepresented`([IRPModelElement](#) pElement)

Removes the specified element from the collection of information elements that are represented by the item flow.

Parameters:

pElement - the element that should be removed from the collection

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com.telelogic.rhapsody.core Interface IRPGeneralization

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPGeneralization
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPClassifier	getBaseClass () get method baseClass
IRPClassifier	getDerivedClass () get method derivedClass
java.lang.String	getExtensionPoint () get property extensionPoint
int	getIsVirtual () get property is virtual
java.lang.String	getVisibility () get property visibility
void	setBaseClass (IRPClassifier baseClass) set method baseClass
void	setDerivedClass (IRPClassifier derivedClass) set method derivedClass
void	setExtensionPoint (java.lang.String extensionPoint) set property extensionPoint
void	setIsVirtual (int isVirtual) set property is virtual

Method Summary

void	setVisibility (java.lang.String visibility) set property visibility
------	---

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getBaseClass

[IRPClassifier](#) [getBaseClass](#)()

get method baseClass

Throws:

[RhapsodyRuntimeException](#)

getDerivedClass

[IRPClassifier](#) [getDerivedClass](#)()

get method derivedClass

Throws:

[RhapsodyRuntimeException](#)

getExtensionPoint

java.lang.String **getExtensionPoint**()

get property extensionPoint

Throws:

[RhapsodyRuntimeException](#)

getIsVirtual

int **getIsVirtual**()

get property is virtual

Throws:

[RhapsodyRuntimeException](#)

getVisibility

java.lang.String **getVisibility**()

get property visibility

Throws:

[RhapsodyRuntimeException](#)

setBaseClass

void **setBaseClass**([IRPClassifier](#) baseClass)

set method baseClass

Throws:

[RhapsodyRuntimeException](#)

setDerivedClass

void **setDerivedClass**([IRPClassifier](#) derivedClass)

set method derivedClass

Throws:

[RhapsodyRuntimeException](#)

setExtensionPoint

void **setExtensionPoint**(java.lang.String extensionPoint)

set property extensionPoint

Throws:

[RhapsodyRuntimeException](#)

setIsVirtual

void **setIsVirtual**(int isVirtual)

set property is virtual

Throws:

[RhapsodyRuntimeException](#)

setVisibility

void **setVisibility**(java.lang.String visibility)

set property visibility

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPGraphEdge

All Superinterfaces:

[IRPGraphElement](#)

public interface **IRPGraphEdge**
extends [IRPGraphElement](#)

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

[IRPGraphElement.ImageLayout](#)

Method Summary

IRPGraphEdge	embedFlow (IRPFlow flow) method embedFlow
IRPGraphEdge	embedNewFlow () method embedNewFlow
IRPGraphEdge	getContainingArrow () method getContainingArrow
IRPGraphElement	getSource () get property source
IRPGraphElement	getTarget () get property target

Methods inherited from interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

[addProperty](#), [applyDefaultFormat](#), [getAllGraphicalProperties](#), [getAllProperties](#), [getAssociatedImage](#), [getDiagram](#), [getGraphicalParent](#), [getGraphicalProperty](#), [getGraphicalPropertyOfText](#), [getImageLayout](#), [getInterfaceName](#), [getLocalProperties](#), [getModelObject](#), [getPropertyValue](#), [getSelectedImage](#), [removeProperty](#), [setAssociatedImage](#), [setGraphicalProperty](#), [setGraphicalPropertyOfText](#), [setImageLayout](#), [setPropertyValue](#), [setSelectedImage](#)

Method Detail

embedFlow

[IRPGraphEdge](#) **embedFlow**([IRPFlow](#) flow)

method embedFlow

Throws:

[RhapsodyRuntimeException](#)

embedNewFlow

[IRPGraphEdge](#) **embedNewFlow**()

method embedNewFlow

Throws:

[RhapsodyRuntimeException](#)

getContainingArrow

[IRPGraphEdge](#) **getContainingArrow**()

method getContainingArrow

Throws:

[RhapsodyRuntimeException](#)

getSource

[IRPGraphElement](#) **getSource**()

get property source

Throws:

[RhapsodyRuntimeException](#)

getTarget

[IRPGraphElement](#) **getTarget**()

get property target

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPGraphElement

All Known Subinterfaces:

[IRPGraphEdge](#), [IRPGraphNode](#)

```
public interface IRPGraphElement
```

Nested Class Summary

static class	IRPGraphElement.ImageLayout This class contains constant values for use with the method setImageLayout
--------------	---

Method Summary

void	addProperty (java.lang.String propertyKey, java.lang.String propertyType, java.lang.String propertyValue) method addProperty
void	applyDefaultFormat () method applyDefaultFormat
IRPCollection	getAllGraphicalProperties () method getAllGraphicalProperties
IRPCollection	getAllProperties () method getAllProperties
java.lang.String	getAssociatedImage () get associatedImage
IRPDiagram	getDiagram () method getDiagram
IRPGraphElement	getGraphicalParent () get property graphicalParent
IRPGraphicalProperty	getGraphicalProperty (java.lang.String name) method getGraphicalProperty
IRPGraphicalProperty	getGraphicalPropertyOfText (java.lang.String textName, java.lang.String name) Returns the specified graphical property for a textual element associated with the graphic element.

Method Summary	
java.lang.String	getImageLayout () Returns the image layout specified for the image linked to the graphic element.
java.lang.String	getInterfaceName () get property interfaceName
IRPCollection	getLocalProperties () method getLocalProperties
IRPModelElement	getModelObject () get property modelObject
java.lang.String	getPropertyValue (java.lang.String propertyKey) method getPropertyValue
java.lang.String	getSelectedImage () Returns the full path of the image that was linked to the graphic element.
void	removeProperty (java.lang.String propertyKey) method removeProperty
void	setAssociatedImage (java.lang.String associatedImage) set associatedImage
void	setGraphicalProperty (java.lang.String name, java.lang.String value) Sets a new value for a graphical property.
void	setGraphicalPropertyOfText (java.lang.String textName, java.lang.String name, java.lang.String value) Sets a new value for a graphical property for the specified textual element associated with the graphic element.
void	setImageLayout (java.lang.String imageLayout) Used to specify the image layout that should be used for the image linked to the graphic element.
void	setPropertyValue (java.lang.String propertyKey, java.lang.String propertyValue) method setPropertyValue
void	setSelectedImage (java.lang.String selectedImage) Links the graphic element to the image represented by the path specified.

Method Detail

addProperty

```
void addProperty (java.lang.String propertyKey,
                 java.lang.String propertyType,
                 java.lang.String propertyValue)
```


method addProperty

Throws:

[RhapsodyRuntimeException](#)

applyDefaultFormat

void **applyDefaultFormat** ()

method applyDefaultFormat

Throws:

[RhapsodyRuntimeException](#)

getAllGraphicalProperties

[IRPCollection](#) **getAllGraphicalProperties** ()

method getAllGraphicalProperties

Throws:

[RhapsodyRuntimeException](#)

getAllProperties

[IRPCollection](#) **getAllProperties** ()

method getAllProperties

Throws:

[RhapsodyRuntimeException](#)

getAssociatedImage

java.lang.String **getAssociatedImage** ()

get associatedImage

Throws:

[RhapsodyRuntimeException](#)

getDiagram

[IRPDiagram](#) **getDiagram** ()

method getDiagram

Throws:

[RhapsodyRuntimeException](#)

getGraphicalParent

[IRPGraphElement](#) `getGraphicalParent ()`

get property graphicalParent

Throws:

[RhapsodyRuntimeException](#)

getGraphicalProperty

[IRPGraphicalProperty](#) `getGraphicalProperty (java.lang.String name)`

method getGraphicalProperty

Throws:

[RhapsodyRuntimeException](#)

getGraphicalPropertyOfText

[IRPGraphicalProperty](#) `getGraphicalPropertyOfText (java.lang.String textName,
java.lang.String name)`

Returns the specified graphical property for a textual element associated with the graphic element. This method is intended for use with graphic elements that have more than one textual element associated with them. The textName parameter is used to indicate which of the textual elements you want the property for. The values that can be used for the textName parameter depend upon the type of graphic element, as follows:

- ◇ For all graphic elements - "Name", "Stereotype"
- ◇ For lines only - "Label"
- ◇ For flows only - "Keyword", "Conveyed"
- ◇ For parts and objects only - "Multiplicity"
- ◇ For association ends and links only - "SourceRole", "TargetRole", "SourceMultiplicity", "TargetMultiplicity"
- ◇ For association ends only - "SourceQualifier", "TargetQualifier"
- ◇ For ports only - "ProvidedInterfaceLabel", "RequiredInterfaceLabel"

For graphic elements associated with no more than one textual element, use the method

[getGraphicalProperty \(java.lang.String\)](#).

Parameters:

textName - the specific textual element that you want the property for

name - the name of the graphical property, for example, "TextFontName", "TextColor", "TextFontItalic", "TextFontSize", "TextFontBold"

Returns:

the graphical property that was requested

getImageLayout

java.lang.String `getImageLayout ()`

Returns the image layout specified for the image linked to the graphic element. When using the Java version of the API, the value returned will be one of the constants defined in the class [IRPGraphElement.ImageLayout](#). When using the COM version of the API, the value returned will be one of the following strings: "Image Only Show Name", "Image Only Without Name", "Structured", "Compartment".

Returns:

the image layout specified for the image linked to the graphic element

getInterfaceName

java.lang.String **getInterfaceName** ()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getLocalProperties

[IRPCollection](#) **getLocalProperties** ()

method getLocalProperties

Throws:

[RhapsodyRuntimeException](#)

getModelObject

[IRPModelElement](#) **getModelObject** ()

get property modelObject

Throws:

[RhapsodyRuntimeException](#)

getPropertyValue

java.lang.String **getPropertyValue** (java.lang.String propertyKey)

method getPropertyValue

Throws:

[RhapsodyRuntimeException](#)

getSelectedImage

java.lang.String **getSelectedImage** ()

Returns the full path of the image that was linked to the graphic element.

Returns:

the full path of the image linked to the graphic element

removeProperty

```
void removeProperty(java.lang.String propertyKey)
```

method removeProperty

Throws:

[RhapsodyRuntimeException](#)

setAssociatedImage

```
void setAssociatedImage(java.lang.String associatedImage)
```

set associatedImage

Throws:

[RhapsodyRuntimeException](#)

setGraphicalProperty

```
void setGraphicalProperty(java.lang.String name,  
                           java.lang.String value)
```

Sets a new value for a graphical property. Certain graphical properties are available only for specific types of elements. Therefore, before including calls to this method in your code, you should call `IRPGraphElement.getAllGraphicalProperties`, which returns a collection of `IRPGraphicalProperty` objects representing the graphical properties available for the element in question. Note that for the name parameter, you only have to provide the property name, not the entire hierarchy as is the case with the method `setPropertyValue`.

Parameters:

`name` - the name of the graphical property to set
`value` - the value to use for the specified property

setGraphicalPropertyOfText

```
void setGraphicalPropertyOfText(java.lang.String textName,  
                                 java.lang.String name,  
                                 java.lang.String value)
```

Sets a new value for a graphical property for the specified textual element associated with the graphic element. This method is intended for use with graphic elements that have more than one textual element associated with them. The `textName` parameter is used to indicate which of the textual elements you want to set the property for. The values that can be used for the `textName` parameter depend upon the type of graphic element, as follows:

◇ For all graphic elements - "Name", "Stereotype"

- ◇ For lines only - "Label"
- ◇ For flows only - "Keyword", "Conveyed"
- ◇ For parts and objects only - "Multiplicity"
- ◇ For association ends and links only - "SourceRole", "TargetRole", "SourceMultiplicity", "TargetMultiplicity"
- ◇ For association ends only - "SourceQualifier", "TargetQualifier"
- ◇ For ports only - "ProvidedInterfaceLabel", "RequiredInterfaceLabel"

Certain graphical properties are available only for specific types of elements. Therefore, before including calls to this method in your code, you should call

`IRPGraphElement.getAllGraphicalProperties`, which returns a collection of `IRPGraphicalProperty` objects representing the graphical properties available for the element in question. Note that for the name parameter, you only have to provide the property name, not the entire hierarchy as is the case with the method `setPropertyValue`. For graphic elements associated with no more than one textual element, use the method [setGraphicalProperty\(java.lang.String, java.lang.String\)](#).

Parameters:

- `textName` - the specific textual element that you want to set the property for
- `name` - the name of the graphical property to set
- `value` - the value to use for the specified property

setImageLayout

```
void setImageLayout (java.lang.String imageLayout)
```

Used to specify the image layout that should be used for the image linked to the graphic element. When using the Java version of the API, the value of the parameter should be one of the constants defined in the class [IRPGraphElement.ImageLayout](#). When using the COM version of the API, the value of the parameter should be one of the following strings: "Image Only Show Name", "Image Only Without Name", "Structured", "Compartment".

Parameters:

- `imageLayout` - the image layout that should be used for the image linked to the graphic element

setPropertyValue

```
void setPropertyValue (java.lang.String propertyKey,
                      java.lang.String propertyValue)
```

method `setPropertyValue`

Throws:

- [RhapsodyRuntimeException](#)

setSelectedImage

```
void setSelectedImage (java.lang.String selectedImage)
```

Links the graphic element to the image represented by the path specified. To remove an existing link to an image without providing a new image, use an empty string for the parameter.

Parameters:

`selectedImage` - the full path to the image that should be linked to the graphic element

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com.telelogic.rhapsody.core Class IRPGraphElement.ImageLayout

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPGraphElement.ImageLayout

Enclosing interface:

[IRPGraphElement](#)

```
public static final class IRPGraphElement.ImageLayout
extends java.lang.Object
```

This class contains constant values for use with the method setImageLayout

Field Summary

static java.lang.String	COMPARTMENT Set image layout in a compartment
static java.lang.String	IMAGE ONLY SHOW NAME Set image layout as show image only with name
static java.lang.String	IMAGE ONLY WITHOUT NAME Set image layout as show image only without name
static java.lang.String	STRUCTURED Show image in structured layout

Constructor Summary

[IRPGraphElement.ImageLayout](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

STRUCTURED

```
public static final java.lang.String STRUCTURED
```

Show image in structured layout

See Also:

[Constant Field Values](#)

IMAGE_ONLY_WITHOUT_NAME

```
public static final java.lang.String IMAGE_ONLY_WITHOUT_NAME
```

Set image layout as show image only without name

See Also:

[Constant Field Values](#)

IMAGE_ONLY_SHOW_NAME

```
public static final java.lang.String IMAGE_ONLY_SHOW_NAME
```

Set image layout as show image only with name

See Also:

[Constant Field Values](#)

COMPARTMENT

```
public static final java.lang.String COMPARTMENT
```

Set image layout in a compartment

See Also:

[Constant Field Values](#)

Constructor Detail

IRPGraphElement.ImageLayout

```
public IRPGraphElement.ImageLayout ()
```

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com.telelogic.rhapsody.core Interface IRPGraphicalProperty

```
public interface IRPGraphicalProperty
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
java.lang.String	getKey () get property key
java.lang.String	getValue () get property value

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getKey

```
java.lang.String getKey ()
```

get property key

Throws:

[RhapsodyRuntimeException](#)

getValue

java.lang.String **getValue**()

get property value

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPGraphNode

All Superinterfaces:

[IRPGraphElement](#)

```
public interface IRPGraphNode
extends IRPGraphElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

[IRPGraphElement.ImageLayout](#)

Method Summary

void	bringToFront () method bringToFront
int	getIsPanelWidget () get property isPanelWidget
IRPCollection	getPanelWidgetInstancePath () get property panelWidgetInstancePath
void	hideAllPorts () method hideAllPorts
void	sendToBack () method sendToBack
void	setPanelWidgetInstancePath (IRPCollection panelWidgetInstancePath) set property panelWidgetInstancePath
void	showAllPorts () method showAllPorts

Methods inherited from interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

[addProperty](#), [applyDefaultFormat](#), [getAllGraphicalProperties](#), [getAllProperties](#), [getAssociatedImage](#), [getDiagram](#), [getGraphicalParent](#), [getGraphicalProperty](#), [getGraphicalPropertyOfText](#), [getImageLayout](#), [getInterfaceName](#), [getLocalProperties](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

[getModelObject](#), [getPropertyValue](#), [getSelectedImage](#), [removeProperty](#), [setAssociatedImage](#), [setGraphicalProperty](#), [setGraphicalPropertyOfText](#), [setImageLayout](#), [setPropertyOfValue](#), [setSelectedImage](#)

Method Detail

bringToFront

void **bringToFront**()

method bringToFront

Throws:

[RhapsodyRuntimeException](#)

getIsPanelWidget

int **getIsPanelWidget**()

get property isPanelWidget

Throws:

[RhapsodyRuntimeException](#)

getPanelWidgetInstancePath

[IRPCollection](#) **getPanelWidgetInstancePath**()

get property panelWidgetInstancePath

Throws:

[RhapsodyRuntimeException](#)

hideAllPorts

void **hideAllPorts**()

method hideAllPorts

Throws:

[RhapsodyRuntimeException](#)

sendToBack

void **sendToBack**()

method `sendToBack`

Throws:

[RhapsodyRuntimeException](#)

setPanelWidgetInstancePath

void **setPanelWidgetInstancePath**([IRPCollection](#) panelWidgetInstancePath)

set property `panelWidgetInstancePath`

Throws:

[RhapsodyRuntimeException](#)

showAllPorts

void **showAllPorts**()

method `showAllPorts`

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPGuard

All Superinterfaces:

[IRPModelElement](#)

public interface **IRPGuard**
extends [IRPModelElement](#)

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getBody () get property body
void	setBody (java.lang.String body) set property body

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getBody**

```
java.lang.String getBody()
```

get property body

Throws:

[RhapsodyRuntimeException](#)

setBody

```
void setBody(java.lang.String body)
```

set property body

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPHyperLink

All Superinterfaces:

[IRPDependency](#), [IRPModelElement](#)

```
public interface IRPHyperLink
extends IRPDependency
```

The IRPHyperLink interface represents hyperlinks in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	getDisplayOption (char pVal, java.lang.String pDisplayName) Deprecated. Use getTextToDisplayType() and getTextToDisplay() instead.
IRPModelElement	getTarget () Returns the target model element if the hyperlink points to a model element.
java.lang.String	getTextToDisplay () Returns the text that is displayed for the hyperlink.
char	getTextToDisplayType () Returns the type of text that is displayed for the hyperlink.
java.lang.String	getURL () Returns the target URL if the hyperlink points to a URL.
void	setDisplayOption (char newTextToDisplayType, java.lang.String newTextToDisplay) Sets the text to display for the the hyperlink.
void	setTarget (IRPModelElement target) Sets the specified model element to be the target of the hyperlink.
void	setURL (java.lang.String uRL) Sets the specified URL to be the target of the hyperlink.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDependency](#)

[getDependent](#), [getDependsOn](#), [isNeedToMigrate](#), [setDependent](#), [setDependsOn](#), [setLinkType](#), [setOwnerWithoutChangingDependent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getTextToDisplay**

```
java.lang.String getTextToDisplay()
```

Returns the text that is displayed for the hyperlink.

Returns:

the text that is displayed for the hyperlink

Throws:

[RhapsodyRuntimeException](#)

getTextToDisplayType

```
char getTextToDisplayType ()
```

Returns the type of text that is displayed for the hyperlink.

Returns:

the type of text that is displayed for the hyperlink. Will be one of the constants defined in the class [HYPNameType](#).

Throws:

[RhapsodyRuntimeException](#)

getDisplayOption

```
@Deprecated
```

```
void getDisplayOption(char pVal,  
                       java.lang.String pDisplayName)
```

Deprecated. Use [getTextToDisplayType\(\)](#) and [getTextToDisplay\(\)](#) instead.

getTarget

```
IRPModelElement getTarget ()
```

Returns the target model element if the hyperlink points to a model element.

Returns:

the model element that the hyperlink points to

getURL

```
java.lang.String getURL ()
```

Returns the target URL if the hyperlink points to a URL.

Returns:

the URL that the hyperlink points to

setDisplayOption

```
void setDisplayOption(char newTextToDisplayType,  
                      java.lang.String newTextToDisplay)
```

Sets the text to display for the the hyperlink.

Parameters:

`newTextToDisplayType` - the type of text to display for the hyperlink. Use one of the constants defined in the class [HYPNameType](#).

`newTextToDisplay` - the text to display for the hyperlink if you specified `RP_HYP_FREETEXT` as the type of text to display. If you specified one of the other types of text, such as `RP_HYP_NAMETEXT`, the value of this parameter is ignored.

Throws:

[RhapsodyRuntimeException](#)

setTarget

void **setTarget**([IRPModelElement](#) target)

Sets the specified model element to be the target of the hyperlink.

Parameters:

target - the model element that should be used as the target of the hyperlink

setURL

void **setURL**(java.lang.String uRL)

Sets the specified URL to be the target of the hyperlink.

Parameters:

uRL - the URL that should be used as the target of the hyperlink

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com.telelogic.rhapsody.core Interface IRPImageMap

```
public interface IRPImageMap
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
int	getIsGUID () get property isGUID
java.lang.String	getName () get property name
java.lang.String	getPictureFileName () get property pictureFileName
java.lang.String	getPoints () get property points
java.lang.String	getShape () get property shape
java.lang.String	getTarget () get property target

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getIsGUID

int **getIsGUID**()

get property isGUID

Throws:

[RhapsodyRuntimeException](#)

getName

java.lang.String **getName**()

get property name

Throws:

[RhapsodyRuntimeException](#)

getPictureFileName

java.lang.String **getPictureFileName**()

get property pictureFileName

Throws:

[RhapsodyRuntimeException](#)

getPoints

java.lang.String **getPoints**()

get property points

Throws:

[RhapsodyRuntimeException](#)

getShape

java.lang.String **getShape**()

get property shape

Throws:

[RhapsodyRuntimeException](#)

getTarget

java.lang.String **getTarget**()

get property target

Throws:

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com.telelogic.rhapsody.core Interface IRPInstance

All Superinterfaces:

[IRPModelElement](#), [IRPRelation](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPModule](#), [IRPPort](#), [IRPSysMLPort](#)

```
public interface IRPInstance
extends IRPRelation
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPRelation	addRelationToTheWhole (java.lang.String relName) method addRelationToTheWhole
IRPCollection	getAllNestedElements () Returns a collection of all the model elements that are directly under the object.
java.lang.String	getAttributeValue (java.lang.String attName) method getAttributeValue
IRPCollection	getInLinks () method getInLinks
IRPOperation	getInstantiatedBy () get property instantiatedBy
IRPCollection	getListOfInitializerArguments () method getListOfInitializerArguments
IRPCollection	getOutLinks () method getOutLinks
void	setAttributeValue (java.lang.String attName, java.lang.String attValue) method setAttributeValue

Method Summary

void	setExplicit () method setExplicit
void	setImplicit () method setImplicit
void	setInitializerArgumentValue (java.lang.String argName, java.lang.String argValue) method setInitializerArgumentValue
void	setInstantiatedBy (IRPOperation instantiatedBy) set property instantiatedBy
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the instance.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPRelation](#)

[addQualifier](#), [getAssociationClass](#), [getInverse](#), [getIsNavigable](#), [getIsSymmetric](#), [getMultiplicity](#), [getObjectAsObjectType](#), [getOfClass](#), [getOtherClass](#), [getQualifier](#), [getQualifiers](#), [getQualifierType](#), [getRelationLabel](#), [getRelationLinkName](#), [getRelationRoleName](#), [getRelationType](#), [getVisibility](#), [isTypelessObject](#), [makeUnidirect](#), [removeQualifier](#), [setInverse](#), [setIsNavigable](#), [setMultiplicity](#), [setOfClass](#), [setOtherClass](#), [setQualifier](#), [setQualifierType](#), [setRelationLabel](#), [setRelationLinkName](#), [setRelationRoleName](#), [setRelationType](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayname](#), [setDisplaynameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addRelationToTheWhole**

[IRPRelation](#) **addRelationToTheWhole**(java.lang.String relName)

method addRelationToTheWhole

Throws:

[RhapsodyRuntimeException](#)

getAllNestedElements

[IRPCollection](#) **getAllNestedElements**()

Returns a collection of all the model elements that are directly under the object. This method should be used instead of the inherited method `getNestedElements` because the latter does not return a complete list in the case of implicit objects.

Returns:

collection of all the model elements that are directly under the object

Throws:

[RhapsodyRuntimeException](#)

getAttributeValue

java.lang.String **getAttributeValue**(java.lang.String attName)

method getAttributeValue

Throws:

[RhapsodyRuntimeException](#)

getInLinks

[IRPCollection](#) `getInLinks()`

method `getInLinks`

Throws:

[RhapsodyRuntimeException](#)

getInstantiatedBy

[IRPOperation](#) `getInstantiatedBy()`

get property `instantiatedBy`

Throws:

[RhapsodyRuntimeException](#)

getListOfInitializerArguments

[IRPCollection](#) `getListOfInitializerArguments()`

method `getListOfInitializerArguments`

Throws:

[RhapsodyRuntimeException](#)

getOutLinks

[IRPCollection](#) `getOutLinks()`

method `getOutLinks`

Throws:

[RhapsodyRuntimeException](#)

setAttributeValue

```
void setAttributeValue(java.lang.String attName,  
                        java.lang.String attValue)
```

method `setAttributeValue`

Throws:

[RhapsodyRuntimeException](#)

setExplicit

```
void setExplicit()
```

method `setExplicit`

Throws:[RhapsodyRuntimeException](#)

setImplicit

```
void setImplicit()
```

method setImplicit

Throws:[RhapsodyRuntimeException](#)

setInitializerArgumentValue

```
void setInitializerArgumentValue(java.lang.String argName,
                                 java.lang.String argValue)
```

method setInitializerArgumentValue

Throws:[RhapsodyRuntimeException](#)

setInstantiatedBy

```
void setInstantiatedBy(IRPOperation instantiatedBy)
```

set property instantiatedBy

Throws:[RhapsodyRuntimeException](#)

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the instance.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInstanceSlot

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPInstanceSlot
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPInstanceValue	addElementValue (IRPModelElement val) method addElementValue
IRPLiteralSpecification	addStringValue (java.lang.String val) method addStringValue
IRPModelElement	getSlotProperty () get property slotProperty
IRPCollection	getValues () get property values
void	setSlotProperty (IRPModelElement slotProperty) set property slotProperty

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addElementValue**

[IRPInstanceValue](#) **addElementValue**([IRPModelElement](#) val)

method addElementValue

Throws:

[RhapsodyRuntimeException](#)

addStringValue

[IRPLiteralSpecification](#) **addStringValue**(java.lang.String val)

method addStringValue

Throws:

[RhapsodyRuntimeException](#)

getSlotProperty

[IRPModelElement](#) **getSlotProperty**()

get property slotProperty

Throws:

[RhapsodyRuntimeException](#)

getValues

[IRPCollection](#) `getValues()`

get property values

Throws:

[RhapsodyRuntimeException](#)

setSlotProperty

void `setSlotProperty`([IRPModelElement](#) slotProperty)

set property slotProperty

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInstanceSpecification

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPInstanceSpecification
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPInstanceSlot	addInstanceSlot (java.lang.String name, IRPModelElement slotProperty) Adds a new instance slot for the specified property of the classifier.
IRPClassifier	getClassifier () get property classifier
IRPCollection	getInstanceSlots () get property instanceSlots
int	isRootInstanceSpecification () Checks whether the instance specification is a root instance specification.
void	populateSlots () method populateSlots
void	setClassifier (IRPClassifier classifier) set property classifier

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),
[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
[getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),
[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),
[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
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[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
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[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

Method Detail**addInstanceSlot**

[IRPInstanceSlot](#) **addInstanceSlot** (java.lang.String name,
[IRPModelElement](#) slotProperty)

Adds a new instance slot for the specified property of the classifier.

Parameters:

name - the name to use for the new instance slot
slotProperty - the property of the classifier that a slot should be created for

Returns:

the instance slot that was created

Throws:

[RhapsodyRuntimeException](#)

getClassifier

[IRPClassifier](#) **getClassifier** ()

get property classifier

Throws:

[RhapsodyRuntimeException](#)

getInstanceSlots

[IRPCollection](#) getInstanceSlots()

get property instanceSlots

Throws:

[RhapsodyRuntimeException](#)

isRootInstanceSpecification

int isRootInstanceSpecification()

Checks whether the instance specification is a root instance specification. A root instance specification is any instance specification that is not a nested instance specification.

Returns:

1 if the instance specification is a root instance specification, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

populateSlots

void populateSlots()

method populateSlots

Throws:

[RhapsodyRuntimeException](#)

setClassifier

void setClassifier([IRPClassifier](#) classifier)

set property classifier

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInstanceValue

All Superinterfaces:

[IRPModelElement](#), [IRPValueSpecification](#)

```
public interface IRPInstanceValue
extends IRPValueSpecification
```

The IRPInstanceValue interface is used in contexts where a single model element must be stored.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPModelElement	getValue () Returns the stored value.
void	setValue (IRPModelElement value) Sets the value to store.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getValue**

[IRPModelElement](#) **getValue**()

Returns the stored value.

Returns:

the stored value

setValue

void **setValue**([IRPModelElement](#) value)

Sets the value to store.

Parameters:

value - the model element to store as the value

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com.telelogic.rhapsody.core Interface IRPIntegrator

public interface **IRPIntegrator**

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
------------------	---

Method Detail

getInterfaceName

java.lang.String **getInterfaceName** ()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInteractionOccurrence

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPInteractionOccurrence
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getMessagePoints () get property messagePoints
IRPSequenceDiagram	getReferenceSequenceDiagram () get property referenceSequenceDiagram
void	setReferenceSequenceDiagram (IRPSequenceDiagram referenceSequenceDiagram) set property referenceSequenceDiagram

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getMessagePoints**

[IRPCollection](#) `getMessagePoints()`

get property messagePoints

Throws:

[RhapsodyRuntimeException](#)

getReferenceSequenceDiagram

[IRPSequenceDiagram](#) `getReferenceSequenceDiagram()`

get property referenceSequenceDiagram

Throws:

[RhapsodyRuntimeException](#)

setReferenceSequenceDiagram

`void setReferenceSequenceDiagram(IRPSequenceDiagram referenceSequenceDiagram)`

set property referenceSequenceDiagram

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInteractionOperand

All Superinterfaces:

[IRPCollaboration](#), [IRPModelElement](#)

```
public interface IRPInteractionOperand
extends IRPCollaboration
```

The IRPInteractionOperand interface represents interaction operands in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getContainedMessages () Returns a collection of all the messages contained in the interaction operand.
java.lang.String	getInteractionConstraint () Returns the constraint (guard condition) that was defined for the interaction operand.
void	setInteractionConstraint (java.lang.String interactionConstraint) Sets the constraint (guard condition) for the interaction operand.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

[addActionBlock](#), [addCancelledTimeout](#), [addClassifierRole](#), [addClassifierRoleByName](#), [addClassifierRoleForInstance](#), [addConditionMark](#), [addCtor](#), [addDataFlow](#), [addDestructionEvent](#), [addDtor](#), [addDurationConstraint](#), [addDurationObservation](#), [addFoundMessage](#), [addInteractionOccurrence](#), [addInteractionOperator](#), [addLostMessage](#), [addMessage](#), [addReplyMessage](#), [addStateInvariant](#), [addSystemBorder](#), [addTimeConstraint](#), [addTimeInterval](#), [addTimeObservation](#), [addTimeout](#), [generateSequence](#), [getActivationCondition](#), [getActivationMode](#), [getActivator](#), [getAssociations](#), [getClassifier](#), [getConcurrentGroup](#), [getExecutionOccurrences](#), [getInteractionOccurrences](#), [getInteractionOperators](#), [getMessagePoints](#), [getMessagePoints](#), [getMessages](#), [getMode](#), [getPredecessor](#), [getSuccessor](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getContainedMessages**

[IRPCollection](#) **getContainedMessages** ()

Returns a collection of all the messages contained in the interaction operand.

Returns:

all the messages contained in the interaction operand

getInteractionConstraint

java.lang.String **getInteractionConstraint** ()

Returns the constraint (guard condition) that was defined for the interaction operand.

Returns:

the constraint (guard condition) that was defined for the interaction operand

setInteractionConstraint

void **setInteractionConstraint**(java.lang.String interactionConstraint)

Sets the constraint (guard condition) for the interaction operand.

Parameters:

interactionConstraint - the constraint (guard condition) to use for the interaction operand, for example, "x = 5"

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com.telelogic.rhapsody.core Interface IRPInteractionOperator

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPInteractionOperator
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getInteractionOperands () get property interactionOperands
java.lang.String	getInteractionType () get property interactionType
void	setInteractionType (java.lang.String interactionType) set property interactionType

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getInteractionOperands**

[IRPCollection](#) **getInteractionOperands** ()

get property interactionOperands

Throws:

[RhapsodyRuntimeException](#)

getInteractionType

java.lang.String **getInteractionType** ()

get property interactionType

Throws:

[RhapsodyRuntimeException](#)

setInteractionType

void **setInteractionType** (java.lang.String interactionType)

set property interactionType

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPInterfaceItem

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPEvent](#), [IRPEventReception](#), [IRPOperation](#)

```
public interface IRPInterfaceItem
extends IRPClassifier
```

The IRPInterfaceItem interface represents the features shared by operations, events, and event receptions in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPArgument	addArgument (java.lang.String newVal) Adds a new argument to the end of the argument list.
IRPArgument	addArgumentBeforePosition (java.lang.String newVal, int pos) Adds a new argument at the specified position in the argument list.
IRPCollection	getArguments () Returns a collection of all the arguments for the operation (collection of IRPArgument objects).
java.lang.String	getSignature () Returns the signature of the operation.
java.lang.String	getSignatureNoArgNames () Returns the signature of the operation without the argument names.
java.lang.String	getSignatureNoArgTypes () Returns the signature of the operation without the argument types.
int	

Method Summary

[matchOnSignature](#) ([IRPInterfaceItem](#) Item)

Compares the signature of the operation with the signature of the operation that was provided as an argument.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addArgument

[IRPArgument](#) **addArgument**(java.lang.String newVal)

Adds a new argument to the end of the argument list. The method takes only a single argument - the name to use for the argument. The type of the argument is set by default to "int". To change the type of the argument, use the method [IRPArgument.setType](#).

Parameters:

newVal - the name to use for the new argument

Returns:

the argument that was created

addArgumentBeforePosition

[IRPArgument](#) **addArgumentBeforePosition**(java.lang.String newVal,
int pos)

Adds a new argument at the specified position in the argument list. Like the [addArgument](#) method, the type of the argument is set by default to "int". To change the type of the argument, use the method [IRPArgument.setType](#).

Parameters:

newVal - the name to use for the new argument

pos - the position in the argument list where the new argument should be placed (1 signifies the first argument in the list)

Returns:

the argument that was created

getArguments

[IRPCollection](#) **getArguments**()

Returns a collection of all the arguments for the operation (collection of [IRPArgument](#) objects).

Returns:

all the arguments for the operation

getSignature

```
java.lang.String getSignature ()
```

Returns the signature of the operation.

Returns:

the signature of the operation

getSignatureNoArgNames

```
java.lang.String getSignatureNoArgNames ()
```

Returns the signature of the operation without the argument names.

Returns:

the signature of the operation without the argument names

getSignatureNoArgTypes

```
java.lang.String getSignatureNoArgTypes ()
```

Returns the signature of the operation without the argument types.

Returns:

the signature of the operation without the argument types

matchOnSignature

```
int matchOnSignature (IRPInterfaceItem Item)
```

Compares the signature of the operation with the signature of the operation that was provided as an argument. This method is useful if you are moving an operation from one class to another because Rhapsody will throw an exception if an operation with the identical signature already exists in the class.

Parameters:

`Item` - the operation whose signature should be compared to the signature of the current operation

Returns:

1 if the two signatures are identical, 0 otherwise

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com.telelogic.rhapsody.core Interface IRPInternalOEMPlugin

```
public interface IRPInternalOEMPlugin
```

Method Summary

int	activeProjectAboutToChange () Notify the Plugin upon ActiveProjectAboutToChange
int	activeProjectHasChanged () Notify the Plugin upon ActiveProjectHasChanged
java.lang.String	onMenuItemSelect (java.lang.String menuItem) Selects a given menu item
java.lang.String	onMenuItemSelectWithParameters (java.lang.String menuItem, java.lang.String parameters) For internal use only.
int	rhapPluginAnimationStopped () Notify the Plugin upon RhapPluginAnimationStopped
int	rhapPluginAnimationStarted () Notify the Plugin upon RhapPluginAnimationStarted
int	rhapPluginCleanup () Performs cleanup of the Plugin
void	rhapPluginDoCommand (java.lang.String theCommand) Notify the Plugin to executes a command
int	rhapPluginFinalCleanup () Performs final cleanup of the plugin
int	rhapPluginInit () Initializes the plugin
int	rhapPluginInvokeItem () Invoke an item of the Plugin
void	rhapPluginOnIDEBuildDone (java.lang.String buildStatus) Notify the Plugin upon build done
int	rhapPluginSetApplication (IRPApplication pRPApp) Sets the IRPApplication of the plugin

Method Summary

int	rhpSavingProject () Notify the Plugin upon Rhapsody save
-----	---

Method Detail

activeProjectAboutToChange

```
int activeProjectAboutToChange()
```

Notify the Plugin upon ActiveProjectAboutToChange

Throws:

[RhapsodyRuntimeException](#)

activeProjectHasChanged

```
int activeProjectHasChanged()
```

Notify the Plugin upon ActiveProjectHasChanged

Throws:

[RhapsodyRuntimeException](#)

onMenuItemSelect

```
java.lang.String onMenuItemSelect (java.lang.String menuItem)
```

Selects a given menu item

Throws:

[RhapsodyRuntimeException](#)

onMenuItemSelectWithParameters

```
java.lang.String onMenuItemSelectWithParameters (java.lang.String menuItem,  
                                                  java.lang.String parameters)
```

For internal use only.

rhapPluginAnimationStopped

```
int rhapPluginAnimationStopped()
```

Notify the Plugin upon RhapPluginAnimationStopped

Throws:

[RhapsodyRuntimeException](#)

rhpPluginAnimationStarted

```
int rhpPluginAnimationStarted()
```

Notify the Plugin upon RhpPluginAnimationStarted

Throws:

[RhapsodyRuntimeException](#)

rhpPluginCleanup

```
int rhpPluginCleanup()
```

Performs cleanup of the Plugin

Throws:

[RhapsodyRuntimeException](#)

rhpPluginDoCommand

```
void rhpPluginDoCommand(java.lang.String theCommand)
```

Notify the Plugin to executes a command

Throws:

[RhapsodyRuntimeException](#)

rhpPluginFinalCleanup

```
int rhpPluginFinalCleanup()
```

Performs final cleanup of the plugin

Throws:

[RhapsodyRuntimeException](#)

rhpPluginInit

```
int rhpPluginInit()
```

Initializes the plugin

Throws:

[RhapsodyRuntimeException](#)

rhpPluginInvokeItem

```
int rhpPluginInvokeItem()
```

Invoke an item of the Plugin

Throws:

[RhapsodyRuntimeException](#)

rhpPluginOnIDEBuildDone

```
void rhpPluginOnIDEBuildDone(java.lang.String buildStatus)
```

Notify the Plugin upon build done

Throws:

[RhapsodyRuntimeException](#)

rhpPluginSetApplication

```
int rhpPluginSetApplication(IRPApplication pRPApp)
```

Sets the IRPApplication of the plugin

Throws:

[RhapsodyRuntimeException](#)

rhpSavingProject

```
int rhpSavingProject()
```

Notify the Plugin upon Rhapsody save

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPJavaPlugins

public interface **IRPJavaPlugins**

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
------------------	---

Method Detail

getInterfaceName

java.lang.String **getInterfaceName** ()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPLink

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPLink
extends IRPUnit
```

The IRPLink interface represents links in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getEnd1Multiplicity () get property end1Multiplicity
java.lang.String	getEnd1Name () get property end1Name
java.lang.String	getEnd2Multiplicity () get property end2Multiplicity
java.lang.String	getEnd2Name () get property end2Name
IRPInstance	getFrom () get property from
IRPModelElement	getFromElement () get property fromElement
IRPPort	getFromPort () get property fromPort
IRPSysMLPort	getFromSysMLPort () get property fromSysMLPort
IRPRelation	

Method Summary	
	getInstantiates () get property instantiates
IRPLink	getOther () get property other
IRPInstance	getTo () Returns the target of a link.
IRPModelElement	getToElement () get property toElement
IRPPort	getToPort () Returns the port through which a link reaches a target object.
IRPSysMLPort	getToSysMLPort () get property toSysMLPort
void	setEnd1Multiplicity (java.lang.String end1Multiplicity) set property end1Multiplicity
void	setEnd1Name (java.lang.String end1Name) set property end1Name
void	setEnd2Multiplicity (java.lang.String end2Multiplicity) set property end2Multiplicity
void	setEnd2Name (java.lang.String end2Name) set property end2Name
void	setInstantiates (IRPRelation pVal) method setInstantiates

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getEnd1Multiplicity**

```
java.lang.String getEnd1Multiplicity()
```

get property end1Multiplicity

Throws:

[RhapsodyRuntimeException](#)

getEnd1Name

```
java.lang.String getEnd1Name()
```

get property end1Name

Throws:

[RhapsodyRuntimeException](#)

getEnd2Multiplicity

```
java.lang.String getEnd2Multiplicity()
```

get property end2Multiplicity

Throws:

[RhapsodyRuntimeException](#)

getEnd2Name

java.lang.String **getEnd2Name**()

get property end2Name

Throws:

[RhapsodyRuntimeException](#)

getFrom

[IRPInstance](#) **getFrom**()

get property from

Throws:

[RhapsodyRuntimeException](#)

getFromElement

[IRPModelElement](#) **getFromElement**()

get property fromElement

Throws:

[RhapsodyRuntimeException](#)

getFromPort

[IRPPort](#) **getFromPort**()

get property fromPort

Throws:

[RhapsodyRuntimeException](#)

getFromSysMLPort

[IRPSysMLPort](#) **getFromSysMLPort**()

get property fromSysMLPort

Throws:

[RhapsodyRuntimeException](#)

getInstantiates

[IRPRelation](#) **getInstantiates**()

get property instantiates

Throws:

getOther

[IRPLink](#) `getOther()`

get property other

Throws:

[RhapsodyRuntimeException](#)

getTo

[IRPInstance](#) `getTo()`

Returns the target of a link. When a link is connected to an object directly or via a port on the object, the method returns the "to" object. When a link is connected to a port on a class, the method returns the "to" port.

Returns:

the target of the link

getToElement

[IRPModelElement](#) `getToElement()`

get property toElement

Throws:

[RhapsodyRuntimeException](#)

getToPort

[IRPPort](#) `getToPort()`

Returns the port through which a link reaches a target object. When a link is connected to a port on an object, the method returns the port on the "to" object. When a link is connected to a port on a class, or is connected to an object directly, the method returns null.

Returns:

the port through which the link reaches its target object

getToSysMLPort

[IRPSysMLPort](#) `getToSysMLPort()`

get property toSysMLPort

Throws:

[RhapsodyRuntimeException](#)

setEnd1Multiplicity

void **setEnd1Multiplicity**(java.lang.String end1Multiplicity)

set property end1Multiplicity

Throws:

[RhapsodyRuntimeException](#)

setEnd1Name

void **setEnd1Name**(java.lang.String end1Name)

set property end1Name

Throws:

[RhapsodyRuntimeException](#)

setEnd2Multiplicity

void **setEnd2Multiplicity**(java.lang.String end2Multiplicity)

set property end2Multiplicity

Throws:

[RhapsodyRuntimeException](#)

setEnd2Name

void **setEnd2Name**(java.lang.String end2Name)

set property end2Name

Throws:

[RhapsodyRuntimeException](#)

setInstantiates

void **setInstantiates**([IRPRelation](#) pVal)

method setInstantiates

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPLiteralSpecification

All Superinterfaces:

[IRPModelElement](#), [IRPValueSpecification](#)

```
public interface IRPLiteralSpecification
extends IRPValueSpecification
```

The IRPLiteralSpecification interface is used in contexts where a single value must be stored.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getValue () Returns the stored value.
void	setValue (java.lang.String value) Sets the value to store.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getValue**

```
java.lang.String getValue()
```

Returns the stored value.

Returns:

the stored value

setValue

```
void setValue(java.lang.String value)
```

Sets the value to store.

Parameters:

value - the value to store

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com.telelogic.rhapsody.core Interface IRPMatrixLayout

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPMatrixLayout
extends IRPUnit
```

Nested Class Summary

static class	IRPMatrixLayout.QueryOrElementsList This class contains constant values for use with the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList.
--------------	--

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getCellElementTypes () Returns a collection of the element types that were specified to be displayed in the cells of the matrix.
IRPCollection	getFromElementTypes () Returns a collection of the "from" element types specified to be displayed in the matrix.
IRPTableLayout	getFromElementTypesQueryToUse () Returns the query that was specified to determine the "from" element types.
int	getFromElementTypesUseQueryOrElementsList () Checks whether a query or collection of element types was used to specify the "from" element types.
IRPCollection	getToElementTypes () Returns a collection of the "to" element types specified to be displayed in the matrix.
IRPTableLayout	getToElementTypesQueryToUse () Returns the query that was specified to determine the "to" element types.

Method Summary

int	getToElementTypesUseQueryOrElementsList () Checks whether a query or collection of element types was used to specify the "to" element types.
void	setCellElementTypes (IRPCollection pCollection) Specifies the element types to display in the cells of the matrix.
void	setFromElementTypes (IRPCollection pCollection) Specifies the "from" element types that should be displayed in the matrix.
void	setFromElementTypesQueryToUse (IRPTableLayout query) Specifies the query to use to determine the "from" element types for the matrix layout.
void	setFromElementTypesUseQueryOrElementsList (int queryOrElementsList) Specifies whether a query or collection of element types should be used to determine the "from" element types for the matrix layout.
void	setToElementTypes (IRPCollection pCollection) Specifies the "to" element types that should be displayed in the matrix.
void	setToElementTypesQueryToUse (IRPTableLayout query) Specifies the query to use to determine the "to" element types for the matrix layout.
void	setToElementTypesUseQueryOrElementsList (int queryOrElementsList) Specifies whether a query or collection of element types should be used to determine the "to" element types for the matrix layout.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getCellElementTypes**

[IRPCollection](#) `getCellElementTypes()`

Returns a collection of the element types that were specified to be displayed in the cells of the matrix. The collection consists of strings (from the list of types displayed on the Cell Element Types tab of the Features window for matrix layouts).

Returns:

the element types that were specified to be displayed in the cells of the matrix

getFromElementTypes

[IRPCollection](#) `getFromElementTypes()`

Returns a collection of the "from" element types specified to be displayed in the matrix. The collection consists of strings (from the list of types displayed on the From Element Types tab of the Features window for matrix layouts).

Returns:

the "from" element types specified to be displayed in the matrix

getFromElementTypesQueryToUse

[IRPTableLayout](#) `getFromElementTypesQueryToUse()`

Returns the query that was specified to determine the "from" element types.

Returns:

the query that was specified to determine the "from" element types for the matrix layout

getFromElementTypesUseQueryOrElementsList

```
int getFromElementTypesUseQueryOrElementsList ()
```

Checks whether a query or collection of element types was used to specify the "from" element types.

Returns:

one of the constants contained in the class IRPMatrixLayout.QueryOrElementsList: QUERY if a query was used, ELEMENTS_LIST if a collection of element types was used.

getToElementTypes

```
IRPCollection getToElementTypes ()
```

Returns a collection of the "to" element types specified to be displayed in the matrix. The collection consists of strings (from the list of types displayed on the To Element Types tab of the Features window for matrix layouts).

Returns:

the "to" element types specified to be displayed in the matrix

getToElementTypesQueryToUse

```
IRPTableLayout getToElementTypesQueryToUse ()
```

Returns the query that was specified to determine the "to" element types.

Returns:

the query that was specified to determine the "to" element types for the matrix layout

getToElementTypesUseQueryOrElementsList

```
int getToElementTypesUseQueryOrElementsList ()
```

Checks whether a query or collection of element types was used to specify the "to" element types.

Returns:

one of the constants contained in the class IRPMatrixLayout.QueryOrElementsList: QUERY if a query was used, ELEMENTS_LIST if a collection of element types was used.

setCellElementTypes

```
void setCellElementTypes (IRPCollection pCollection)
```

Specifies the element types to display in the cells of the matrix. The parameter must be a collection of strings (from the list of types displayed on the Cell Element Types tab of the Features window for matrix layouts).

Parameters:

pCollection - the element types to display in the cells of the matrix

setFromElementTypes

```
void setFromElementTypes (IRPCollection pCollection)
```

Specifies the "from" element types that should be displayed in the matrix. The parameter must be a collection of strings (from the list of element types displayed on the From Element Types tab of the Features window for matrix layouts).

Parameters:

pCollection - the "from" element types that should be displayed in the matrix

setFromElementTypesQueryToUse

```
void setFromElementTypesQueryToUse (IRPTableLayout query)
```

Specifies the query to use to determine the "from" element types for the matrix layout.

Parameters:

query - the query to use to determine the "from" element types for the matrix layout. To clear a previous query, use null for the parameter.

setFromElementTypesUseQueryOrElementsList

```
void setFromElementTypesUseQueryOrElementsList (int queryOrElementsList)
```

Specifies whether a query or collection of element types should be used to determine the "from" element types for the matrix layout.

Parameters:

queryOrElementsList - one of the constants contained in the class IRPMatrixLayout.QueryOrElementsList: QUERY if a query should be used, ELEMENTS_LIST if a collection of element types should be used.

setToElementTypes

```
void setToElementTypes (IRPCollection pCollection)
```

Specifies the "to" element types that should be displayed in the matrix. The parameter must be a collection of strings (from the list of types displayed on the To Element Types tab of the Features window for matrix layouts).

Parameters:

pCollection - the "to" element types that should be displayed in the matrix

setToElementTypesQueryToUse

```
void setToElementTypesQueryToUse (IRPTableLayout query)
```

Specifies the query to use to determine the "to" element types for the matrix layout.

Parameters:

`query` - the query to use to determine the "to" element types for the matrix layout. To clear a previous query, use null for the parameter.

setToElementTypesUseQueryOrElementsList

```
void setToElementTypesUseQueryOrElementsList(int queryOrElementsList)
```

Specifies whether a query or collection of element types should be used to determine the "to" element types for the matrix layout.

Parameters:

`queryOrElementsList` - one of the constants contained in the class `IRPMatrixLayout.QueryOrElementsList`: `QUERY` if a query should be used, `ELEMENTS_LIST` if a collection of element types should be used.

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com.telelogic.rhapsody.core Class IRPMatrixLayout.QueryOrElementsList

java.lang.Object

└ com.telelogic.rhapsody.core.IRPMatrixLayout.QueryOrElementsList

Enclosing interface:

[IRPMatrixLayout](#)

```
public static final class IRPMatrixLayout.QueryOrElementsList
extends java.lang.Object
```

This class contains constant values for use with the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`.

Field Summary

static int	<p>ELEMENTS_LIST</p> <p>When <code>ELEMENTS_LIST</code> is used as the parameter for the methods <code>setFromElementTypesUseQueryOrElementsList</code> and <code>setToElementTypesUseQueryOrElementsList</code>, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the matrix.</p>
static int	<p>QUERY</p> <p>When <code>QUERY</code> is used as the parameter for the methods <code>setFromElementTypesUseQueryOrElementsList</code> and <code>setToElementTypesUseQueryOrElementsList</code>, it indicates that a query will be used to determine the "from" element types or "to" element types for the matrix.</p>

Constructor Summary

[IRPMatrixLayout.QueryOrElementsList](#) ()

Method Summary

Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Detail

QUERY

```
public static final int QUERY
```

When QUERY is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that a query will be used to determine the "from" element types or "to" element types for the matrix.

See Also:

[Constant Field Values](#)

ELEMENTS_LIST

```
public static final int ELEMENTS_LIST
```

When ELEMENTS_LIST is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the matrix.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPMatrixLayout.QueryOrElementsList

```
public IRPMatrixLayout.QueryOrElementsList()
```

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com.telelogic.rhapsody.core Class IRPMatrixView.ContentFormat

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPMatrixView.ContentFormat

Enclosing interface:

[IRPMatrixView](#)

```
public static final class IRPMatrixView.ContentFormat
extends java.lang.Object
```

This class contains values that specify export format

Field Summary

static java.lang.String	CSV Export in Comma Separated Value (CSV) format.
static java.lang.String	HTML Export in HTML format.
static java.lang.String	XML Export in XML format.

Constructor Summary

[IRPMatrixView.ContentFormat](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

HTML

```
public static final java.lang.String HTML
```

Export in HTML format. Exported only string representations.

See Also:

[Constant Field Values](#)

XML

```
public static final java.lang.String XML
```

Export in XML format. For each model element, its GUID is exported as well.

See Also:

[Constant Field Values](#)

CSV

```
public static final java.lang.String CSV
```

Export in Comma Separated Value (CSV) format. Exported only string representations.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPMatrixView.ContentFormat

```
public IRPMatrixView.ContentFormat ()
```

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com.telelogic.rhapsody.core Interface IRPMatrixView

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

public interface **IRPMatrixView**
extends [IRPUnit](#)

The IRPMatrixView interface represents Matrix View elements in Rhapsody models.

Nested Class Summary

static class	IRPMatrixView.ContentFormat This class contains values that specify export format
--------------	--

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getCellElements (int row, int column) Returns the model elements contained in the specified cell.
java.lang.String	getCellString (int row, int column) Returns the text contained in the specified cell.
int	getColumnCount () Returns the number of columns in the matrix.
java.lang.String	getContent (java.lang.String format) Retrieves the content of the matrix in the specified format.
IRPCollection	getFromScope () method GetFromScope
java.lang.String	getHTMLContent () Returns the content of the matrix as HTML.
IRPCollection	getImageCollection (java.lang.String sFolder, java.lang.String sFilename, java.lang.String sExtension) method GetImageCollection

Method Summary	
int	getIncludeDescendantsFromScope () get property includeDescendantsFromScope
int	getIncludeDescendantsToScope () get property includeDescendantsToScope
IRPMatrixLayout	getItsMatrixLayout () method GetItsMatrixLayout
int	getRowCount () Returns the number of rows in the matrix.
IRPCollection	getToScope () method GetToScope
void	open () method open
void	setFromScope (IRPCollection pCollection) Specifies the "from" scope to use for this matrix view.
void	setIncludeDescendantsFromScope (int includeDescendantsFromScope) set property includeDescendantsFromScope
void	setIncludeDescendantsToScope (int includeDescendantsToScope) set property includeDescendantsToScope
void	setItsMatrixLayout (IRPMatrixLayout pVal) Specifies the matrix layout to use for this matrix view.
void	setToScope (IRPCollection pCollection) Specifies the "to" scope to use for this matrix view.
int	updateViewOnServer (int enforceUpdate) Updates the view for the matrix on the Rhapsody Model Manager server.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTE](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTE](#), [setDisplayName](#), [setDisplayNameRTE](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getCellElements**

```
IRPCollection getCellElements(int row,
                               int column)
```

Returns the model elements contained in the specified cell.

Parameters:

row - the number of the row that the cell is in - row count begins at zero
 column - the number of the column that the cell is in - column count begins at zero

Returns:

the model elements contained in the specified cell

Throws:

[RhapsodyRuntimeException](#)

getCellString

```
java.lang.String getCellString(int row,
                                 int column)
```

Returns the text contained in the specified cell.

Parameters:

row - the number of the row that the cell is in - row count begins at zero
 column - the number of the column that the cell is in - column count begins at zero

Returns:

the text contained in the specified cell

Throws:

getColumnCount

```
int getColumnCount ()
```

Returns the number of columns in the matrix.

Returns:

the number of columns in the matrix

Throws:

[RhapsodyRuntimeException](#)

getContent

```
java.lang.String getContent (java.lang.String format)
```

Retrieves the content of the matrix in the specified format. The value of the parameter should be one of the values defined in the class `IRPMatrixView.ContentFormat`. Note that when you call this method, the matrix is also displayed in Rhapsody.

Parameters:

`format` - one of the formats defined in the class `IRPMatrixView.ContentFormat`, for example, `IRPMatrixView.ContentFormat.CSV`

Returns:

the content of the matrix in the specified format

getFromScope

```
IRPCollection getFromScope ()
```

method `GetFromScope`

Throws:

[RhapsodyRuntimeException](#)

getHTMLContent

```
java.lang.String getHTMLContent ()
```

Returns the content of the matrix as HTML. The content returned begins and ends with the "table" tag. Note that when this method is called, the matrix is opened in Rhapsody before the HTML is returned.

Returns:

the content of the matrix as HTML

getImageCollection

```
IRPCollection getImageCollection(java.lang.String sFolder,  
                                java.lang.String sFilename,  
                                java.lang.String sExtension)
```

method GetImageCollection

Throws:

[RhapsodyRuntimeException](#)

getItsMatrixLayout

```
IRPMatrixLayout getItsMatrixLayout ()
```

method GetItsMatrixLayout

Throws:

[RhapsodyRuntimeException](#)

getRowCount

```
int getRowCount ()
```

Returns the number of rows in the matrix.

Returns:

the number of rows in the matrix

Throws:

[RhapsodyRuntimeException](#)

getToScope

```
IRPCollection getToScope ()
```

method GetToScope

Throws:

[RhapsodyRuntimeException](#)

setFromScope

```
void setFromScope(IRPCollection pCollection)
```

Specifies the "from" scope to use for this matrix view.

Parameters:

`pCollection` - the "from" scope to use for this matrix view. Note that the parameter is a Rhapsody collection, but at the moment, only the first value in the collection is used for the "from" scope.

setItsMatrixLayout

```
void setItsMatrixLayout (IRPMatrixLayout pVal)
```

Specifies the matrix layout to use for this matrix view.

Parameters:

pVal - the matrix layout to use for this matrix view

setToScope

```
void setToScope (IRPCollection pCollection)
```

Specifies the "to" scope to use for this matrix view.

Parameters:

pCollection - the "to" scope to use for this matrix view. Note that the parameter is a Rhapsody collection, but at the moment, only the first value in the collection is used for the "to" scope.

updateViewOnServer

```
int updateViewOnServer (int enforceUpdate)
```

Updates the view for the matrix on the Rhapsody Model Manager server.

Parameters:

enforceUpdate - Use 0 to specify that the view should be updated only if changes that affect the matrix were made since the last update. Use 1 to specify that the view should be updated regardless of whether or not changes that affect the matrix were made since the last update.

Returns:

1 if the view for the matrix was updated on the server. If the matrix does not require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

getIncludeDescendantsFromScope

```
int getIncludeDescendantsFromScope ()
```

get property includeDescendantsFromScope

Throws:

[RhapsodyRuntimeException](#)

getIncludeDescendantsToScope

```
int getIncludeDescendantsToScope ()
```

get property includeDescendantsToScope

Throws:

[RhapsodyRuntimeException](#)

open

void **open** ()

method open

Throws:

[RhapsodyRuntimeException](#)

setIncludeDescendantsFromScope

void **setIncludeDescendantsFromScope** (int includeDescendantsFromScope)

set property includeDescendantsFromScope

Throws:

[RhapsodyRuntimeException](#)

setIncludeDescendantsToScope

void **setIncludeDescendantsToScope** (int includeDescendantsToScope)

set property includeDescendantsToScope

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPMessage

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPActionBlock](#), [IRPConditionMark](#), [IRPDestructionEvent](#)

```
public interface IRPMessage
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPExecutionOccurrence	addSourceExecutionOccurrence () method addSourceExecutionOccurrence
IRPExecutionOccurrence	addTargetExecutionOccurrence () method addTargetExecutionOccurrence
IRPCollection	getActualParameterList () get property actualParameterList
IRPAssociationRole	getCommunicationConnection () get property communicationConnection
java.lang.String	getCondition () get property condition
java.lang.String	getDurationConstraint () Gets the text of the Duration Constraint.
java.lang.String	getDurationObservation () Gets the text of the Duration Observation.
IRPSysMLPort	getFlowPort () get property flowPort

Method Summary	
IRPInterfaceItem	getFormalInterfaceItem () get property formalInterfaceItem
IRPModelElement	getFormalType () Returns the model element associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.
java.lang.String	getInvariant () Gets the text of the Invariant field for the state invariant.
java.lang.String	getMessageType () get property messageType
IRPPort	getPort () get property Port
java.lang.String	getReturnValue () get property returnValue
java.lang.String	getSequenceNumber () get property sequenceNumber
java.lang.String	getSignature () method getSignature
IRPClassifierRole	getSource () get property source
IRPExecutionOccurrence	getSourceExecutionOccurrence () get property sourceExecutionOccurrence
IRPClassifierRole	getTarget () get property target
IRPExecutionOccurrence	getTargetExecutionOccurrence () get property targetExecutionOccurrence
java.lang.String	getTimeConstraint () Gets the text for the Time Constraint that was applied to this state variant.
java.lang.String	getTimeObservation () Gets the text of the Time Observation.
java.lang.String	getTimerValue () get property timerValue
void	reroute () method reroute
void	setActualParameterList (IRPCollection pVal) method setActualParameterList
void	setDurationConstraint (java.lang.String durationConstraint) Modifies the text of this Duration Constraint.
void	setDurationObservation (java.lang.String durationObservation) Modifies the text of this Duration Observation.

Method Summary	
void	setFlowPort (IRPSysMLPort flowPort) set property flowPort
void	setFormalInterfaceItem (IRPInterfaceItem newVal) Sets the realization of a message.
void	setFormalType (IRPModelElement formalType) Used to specify the model element that should be associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.
void	setInvariant (java.lang.String invariant) Modifies the text of the Invariant field for the state invariant.
void	setPort (IRPPort port) set property Port
void	setReturnValue (java.lang.String returnValue) set property returnValue
void	setTimeConstraint (java.lang.String timeConstraint) Modifies the text of this Time Constraint.
void	setTimeObservation (java.lang.String timeObservation) Modifies the text of this Time Observation.
void	setTimerValue (java.lang.String timerValue) set property timerValue

Methods inherited from interface com.telelogic.rhapsody.core. IRPModelElement
addAssociation , addDependency , addDependencyBetween , addDependencyTo , addLinkToElement , addNewAggr , addProperty , addRedefines , addRemoteDependencyTo , addSpecificStereotype , addStereotype , becomeTemplateInstantiationOf , changeTo , clone , createOSLCLink , deleteDependency , deleteFromProject , deleteOSLCLink , errorMessage , findElementsByFullName , findNestedElement , findNestedElementRecursive , getAllTags , getAnnotations , getAssociationClasses , getBinaryID , getConstraints , getConstraintsByHim , getControlledFiles , getDecorationStyle , getDependencies , getDescription , getDescriptionHTML , getDescriptionPlainText , getDescriptionRTF , getDisplayName , getDisplayNameRTF , getErrorMessage , getFullPathName , getFullPathNameIn , getGUID , getHyperLinks , getIconFileName , getInterfaceName , getIsExternal , getIsOfMetaClass , getIsShowDisplayName , getIsUnresolved , getLocalTags , getMainDiagram , getMetaClass , getName , getNestedElements , getNestedElementsByMetaClass , getNestedElementsRecursive , getNewTermStereotype , getOfTemplate , getOSLCLinks , getOverlayIconFileName , getOverriddenProperties , getOverriddenPropertiesByPattern , getOwnedDependencies , getOwner , getProject , getPropertyValue , getPropertyValueConditional , getPropertyValueConditionalExplicit , getPropertyValueExplicit , getRedefines , getReferences , getRemoteDependencies , getRemoteURI , getRequirementTraceabilityHandle , getRmmUrl , getSaveUnit , getStereotype , getStereotypes , getTag , getTemplateParameters , getTi , getToolTipHTML , getUserDefinedMetaClass , hasNestedElements , hasPanelWidget , highlightElement , isATemplate , isDescriptionRTE , isDisplayNameRTF , isModified , isRemote , locateInBrowser , lockOnDesignManager , openFeaturesDialog , removeProperty , removeRedefines , removeStereotype , setDecorationStyle , setDescription , setDescriptionAndHyperlinks , setDescriptionHTML , setDescriptionRTF , setDisplayname , setDisplaynameRTF , setGUID , setIsShowDisplayName , setMainDiagram , setName , setOfTemplate , setOwner , setPropertyValue , setRequirementTraceabilityHandle , setStereotype , setTagContextValue , setTagElementValue , setTagValue , setTi , synchronizeTemplateInstantiation ,

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[unlockOnDesignManager](#)

Method Detail

addSourceExecutionOccurrence

[IRPExecutionOccurrence](#) addSourceExecutionOccurrence ()

method addSourceExecutionOccurrence

Throws:

[RhapsodyRuntimeException](#)

addTargetExecutionOccurrence

[IRPExecutionOccurrence](#) addTargetExecutionOccurrence ()

method addTargetExecutionOccurrence

Throws:

[RhapsodyRuntimeException](#)

getActualParameterList

[IRPCollection](#) getActualParameterList ()

get property actualParameterList

Throws:

[RhapsodyRuntimeException](#)

getCommunicationConnection

[IRPAssociationRole](#) getCommunicationConnection ()

get property communicationConnection

Throws:

[RhapsodyRuntimeException](#)

getCondition

java.lang.String getCondition ()

get property condition

Throws:

addSourceExecutionOccurrence

getDurationConstraint

java.lang.String **getDurationConstraint** ()

Gets the text of the Duration Constraint.

Returns:

the text of the Duration Constraint

getDurationObservation

java.lang.String **getDurationObservation** ()

Gets the text of the Duration Observation.

Returns:

the text of the Duration Observation

getFlowPort

[IRPSysMLPort](#) **getFlowPort** ()

get property flowPort

Throws:

[RhapsodyRuntimeException](#)

getFormalInterfaceItem

[IRPInterfaceItem](#) **getFormalInterfaceItem** ()

get property formalInterfaceItem

Throws:

[RhapsodyRuntimeException](#)

getFormalType

[IRPModelElement](#) **getFormalType** ()

Returns the model element associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.

Returns:

the model element associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram

getInvariant

java.lang.String **getInvariant**()

Gets the text of the Invariant field for the state invariant.

Returns:

the text of the Invariant field

getMessageType

java.lang.String **getMessageType**()

get property messageType

Throws:

[RhapsodyRuntimeException](#)

getPort

[IRPPort](#) **getPort**()

get property Port

Throws:

[RhapsodyRuntimeException](#)

getReturnValue

java.lang.String **getReturnValue**()

get property returnValue

Throws:

[RhapsodyRuntimeException](#)

getSequenceNumber

java.lang.String **getSequenceNumber**()

get property sequenceNumber

Throws:

[RhapsodyRuntimeException](#)

getSignature

java.lang.String **getSignature**()

method getSignature

Throws:

[RhapsodyRuntimeException](#)

getSource

[IRPClassifierRole](#) getSource ()

get property source

Throws:

[RhapsodyRuntimeException](#)

getSourceExecutionOccurrence

[IRPExecutionOccurrence](#) getSourceExecutionOccurrence ()

get property sourceExecutionOccurrence

Throws:

[RhapsodyRuntimeException](#)

getTarget

[IRPClassifierRole](#) getTarget ()

get property target

Throws:

[RhapsodyRuntimeException](#)

getTargetExecutionOccurrence

[IRPExecutionOccurrence](#) getTargetExecutionOccurrence ()

get property targetExecutionOccurrence

Throws:

[RhapsodyRuntimeException](#)

getTimeConstraint

java.lang.String getTimeConstraint ()

Gets the text for the Time Constraint that was applied to this state variant.

Returns:

the text for the Time Constraint that was applied to this state variant

getTimeObservation

java.lang.String **getTimeObservation**()

Gets the text of the Time Observation.

Returns:

the text of the Time Observation

getTimerValue

java.lang.String **getTimerValue**()

get property timerValue

Throws:

[RhapsodyRuntimeException](#)

reroute

void **reroute**()

method reroute

Throws:

[RhapsodyRuntimeException](#)

setActualParameterList

void **setActualParameterList**([IRPCollection](#) pVal)

method setActualParameterList

Throws:

[RhapsodyRuntimeException](#)

setDurationConstraint

void **setDurationConstraint**(java.lang.String durationConstraint)

Modifies the text of this Duration Constraint.

Parameters:

durationConstraint - the text to use for the Duration Constraint

setDurationObservation

void **setDurationObservation**(java.lang.String durationObservation)

Modifies the text of this Duration Observation.

Parameters:

`durationObservation` - the text to use for the Duration Observation

setFlowPort

void **setFlowPort** ([IRPSysMLPort](#) flowPort)

set property flowPort

Throws:

[RhapsodyRuntimeException](#)

setFormalInterfaceItem

void **setFormalInterfaceItem** ([IRPInterfaceItem](#) newVal)

Sets the realization of a message.

Parameters:

`newVal` - the operation or other IRPInterfaceItem object to use for the realization of the message

Throws:

[RhapsodyRuntimeException](#)

setFormalType

void **setFormalType** ([IRPModelElement](#) formalType)

Used to specify the model element that should be associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.

Parameters:

`formalType` - the model element that should be associated with this sequence diagram element

setInvariant

void **setInvariant** (java.lang.String invariant)

Modifies the text of the Invariant field for the state invariant.

Parameters:

`invariant` - the text to use for the Invariant field

setPort

void **setPort** ([IRPPort](#) port)

set property Port

Throws:

[RhapsodyRuntimeException](#)

setReturnValue

void **setReturnValue**(java.lang.String returnValue)

set property returnValue

Throws:

[RhapsodyRuntimeException](#)

setTimeConstraint

void **setTimeConstraint**(java.lang.String timeConstraint)

Modifies the text of this Time Constraint.

Parameters:

timeConstraint - the text to use for this Time Constraint

setTimeObservation

void **setTimeObservation**(java.lang.String timeObservation)

Modifies the text of this Time Observation.

Parameters:

timeObservation - the text to use for the Time Observation

setTimerValue

void **setTimerValue**(java.lang.String timerValue)

set property timerValue

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPMessagePoint

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPMessagePoint
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPClassifierRole	getClassifierRole () method getClassifierRole
IRPInteractionOccurrence	getInteractionOccurrence () get property interactionOccurrence
IRPInteractionOperator	getInteractionOperator () get property interactionOperator
IRPMessage	getMessage () get property message
java.lang.String	getType () get property type

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getClassifierRole**

[IRPClassifierRole](#) `getClassifierRole()`

method getClassifierRole

Throws:

[RhapsodyRuntimeException](#)

getInteractionOccurrence

[IRPInteractionOccurrence](#) `getInteractionOccurrence()`

get property interactionOccurrence

Throws:

[RhapsodyRuntimeException](#)

getInteractionOperator

[IRPInteractionOperator](#) `getInteractionOperator()`

get property interactionOperator

Throws:

[RhapsodyRuntimeException](#)

getMessage

[IRPMessage](#) `getMessage ()`

get property message

Throws:

[RhapsodyRuntimeException](#)

getType

`java.lang.String` `getType ()`

get property type

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPModelElement

All Known Subinterfaces:

[IRPAcceptEventAction](#), [IRPAcceptTimeEvent](#), [IRPAction](#), [IRPActionBlock](#), [IRPActivityDiagram](#),
[IRPActor](#), [IRPAnnotation](#), [IRPArgument](#), [IRPAssociationClass](#), [IRPAssociationRole](#), [IRPAttribute](#),
[IRPCallOperation](#), [IRPClass](#), [IRPClassifier](#), [IRPClassifierRole](#), [IRPCollaboration](#),
[IRPCollaborationDiagram](#), [IRPComment](#), [IRPComponent](#), [IRPComponentDiagram](#),
[IRPComponentInstance](#), [IRPConditionMark](#), [IRPConfiguration](#), [IRPConnector](#), [IRPConstraint](#),
[IRPContextSpecification](#), [IRPControlledFile](#), [IRPDependency](#), [IRPDeploymentDiagram](#),
[IRPDestructionEvent](#), [IRPDiagram](#), [IRPEnumerationLiteral](#), [IRPEvent](#), [IRPEventReception](#),
[IRPExecutionOccurrence](#), [IRPFile](#), [IRPFileFragment](#), [IRPFlow](#), [IRPFlowchart](#), [IRPFlowItem](#),
[IRPGeneralization](#), [IRPGuard](#), [IRPHyperLink](#), [IRPInstance](#), [IRPInstanceSlot](#),
[IRPInstanceSpecification](#), [IRPInstanceValue](#), [IRPInteractionOccurrence](#), [IRPInteractionOperand](#),
[IRPInteractionOperator](#), [IRPInterfaceItem](#), [IRPLink](#), [IRPLiteralSpecification](#), [IRPMatrixLayout](#),
[IRPMatrixView](#), [IRPMessage](#), [IRPMessagePoint](#), [IRPModule](#), [IRPNode](#), [IRPObjectModelDiagram](#),
[IRPObjectNode](#), [IRPOperation](#), [IRPPackage](#), [IRPPanelDiagram](#), [IRPPin](#), [IRPPort](#), [IRPProfile](#),
[IRPProject](#), [IRPRelation](#), [IRPRequirement](#), [IRPSendAction](#), [IRPSequenceDiagram](#), [IRPState](#),
[IRPStatechart](#), [IRPStatechartDiagram](#), [IRPStateVertex](#), [IRPStereotype](#), [IRPStructureDiagram](#),
[IRPSwimlane](#), [IRPSysMLPort](#), [IRPTableLayout](#), [IRPTableView](#), [IRPTag](#), [IRPTemplateInstantiation](#),
[IRPTemplateInstantiationParameter](#), [IRPTemplateParameter](#), [IRPTimingDiagram](#), [IRPTransition](#),
[IRPTrigger](#), [IRPType](#), [IRPUnit](#), [IRPUseCase](#), [IRPUseCaseDiagram](#), [IRPValueSpecification](#),
[IRPVariable](#)

```
public interface IRPModelElement
```

The IRPModelElement interface represents an element in a Rhapsody model, and its methods reflect the behavior shared by the various types of model elements. The specific types of elements in a model are derived from this interface.

Nested Class Summary

static class	IRPModelElement.OSLCLink Constant values used with elements of this type
--------------	---

Method Summary

IRPAssociationClass	addAssociation (IRPRelation end1, IRPRelation end2, java.lang.String name) Creates an association class using the specified IRPRelation elements.
-------------------------------------	--

Method Summary	
IRPDependency	addDependency (java.lang.String dependsOnName, java.lang.String dependsOnType) Adds a dependency from the model element to the model element specified by the parameters.
IRPDependency	addDependencyBetween (IRPModelElement dependent, IRPModelElement dependsOn) Creates a dependency between the two specified elements.
IRPDependency	addDependencyTo (IRPModelElement element) Adds a dependency upon another model element.
IRPLink	addLinkToElement (IRPModelElement toElement, IRPRelation assoc, IRPModelElement fromPort, IRPModelElement toPort) Creates a link between this model element and the model element specified as an argument.
IRPModelElement	addNewAggr (java.lang.String metaType, java.lang.String name) Adds a new model element to the current element, for example, adding a class to a package.
void	addProperty (java.lang.String propertyKey, java.lang.String propertyType, java.lang.String propertyValue) Adds a new property to the model element and assigns a value to it.
void	addRedefines (IRPModelElement newRedefine) method addRedefines
IRPDependency	addRemoteDependencyTo (IRPModelElement element, java.lang.String linkType) For Design Manager projects, used to create a dependency from a model element to a remote element.
void	addSpecificStereotype (IRPStereotype stereotype) Applies the specified stereotype to the model element.
IRPStereotype	addStereotype (java.lang.String name, java.lang.String metaType) Applies the specified stereotype to the model element if the project contains a stereotype with the name specified and applicable to the metaclass specified.
void	becomeTemplateInstantiationOf (IRPModelElement newVal) Makes the current model element a template instantiation of the specified template.
IRPModelElement	changeTo (java.lang.String metaClass) Changes the model element to the type of element specified by the parameter provided.
IRPModelElement	clone (java.lang.String name, IRPModelElement newOwner) Clones a model element.
void	createOSLCLink (java.lang.String type, java.lang.String purl) Creates an OSLC link between the element and the element represented by the specified URL.
void	

Method Summary	
	deleteDependency (IRPDependency dependency) Deletes the specified dependency from the model.
void	deleteFromProject () Deletes the current model element from the model.
void	deleteOSLCLink (java.lang.String type, java.lang.String purl) Deletes the specified OSLC link from the model.
java.lang.String	errorMessage () Returns error message for last method called.
IRPModelElement	findElementsByFullName (java.lang.String name, java.lang.String metaClass) Searches for the specified model element in the specified path under the current model element.
IRPModelElement	findNestedElement (java.lang.String name, java.lang.String metaClass) Searches for the specified model element.
IRPModelElement	findNestedElementRecursive (java.lang.String name, java.lang.String metaClass) Searches recursively for the specified model element.
IRPCollection	getAllTags () Returns a collection of all the element's tags.
IRPCollection	getAnnotations () Returns all of the element's annotations.
IRPCollection	getAssociationClasses () Returns a collection of all the association classes directly beneath this model element.
byte[]	getBinaryID () Returns the GUID of the model element as an array of bytes, as opposed to the method getGUID, which returns the GUID as a string.
IRPCollection	getConstraints () Returns all of the element's constraints.
IRPCollection	getConstraintsByHim () For internal use only.
IRPCollection	getControlledFiles () Returns a collection of all the element's controlled files.
java.lang.String	getDecorationStyle () Returns the name of the decoration style currently associated with the model element.
IRPCollection	getDependencies () Returns all of the element's dependencies.
java.lang.String	getDescription ()

Method Summary	
	Returns the description defined for the element.
java.lang.String	getDescriptionHTML() Returns HTML representation of the element description.
java.lang.String	getDescriptionPlainText() Returns the description defined for the element in plain text format.
java.lang.String	getDescriptionRTF() Returns the description defined for the element in RTF format.
java.lang.String	getDisplayName() Returns the label of the model element.
java.lang.String	getDisplayNameRTF() Returns the label of the model element as an RTF string.
java.lang.String	getErrorMessage() Returns error message for last method called.
java.lang.String	getFullPathName() Returns the full path name of the model element.
java.lang.String	getFullPathNameIn() Retrieves the full path name of the element as a string in the following format: (class) in (package).
java.lang.String	getGUID() Returns the GUID of the model element.
IRPCollection	getHyperLinks() Returns a collection of all the hyperlinks associated with the element.
java.lang.String	getIconFileName() Returns the full path of the graphic file used to represent elements of this type in the browser, for example, D:\programs\rhapsody80\Share\PredefinedPictures\Icons\RhapsodyIcons_72.gif.
java.lang.String	getInterfaceName() Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.
int	getIsExternal() Checks whether the element is an "external" element - corresponds to the value of the property UseAsExternal.
int	getIsOfMetaClass(java.lang.String metaClass) Indicates whether the model element is based on the metaclass provided as a parameter.
int	getIsShowDisplayName() Checks whether the model element is configured to have its label displayed instead of its name whenever it is included in a diagram.
int	getIsUnresolved() Checks if the element is an element that can't be resolved by Rhapsody.

Method Summary	
IRPCollection	getLocalTags () Returns a collection of the tags that were created locally for this model element.
IRPDiagram	getMainDiagram () Returns the "main" diagram for the element.
java.lang.String	getMetaClass () Gets the name of the metaclass on which the model element is based.
java.lang.String	getName () Returns the name of the element.
IRPCollection	getNestedElements () Gets a collection of all the model elements that are directly under the current element.
IRPCollection	getNestedElementsByMetaClass (java.lang.String metaClass, int recursive) Retrieves all of the model elements of the specified type below the current element.
IRPCollection	getNestedElementsRecursive () Returns a collection that consists of the current element and all of the model elements below it.
IRPStereotype	getNewTermStereotype () If a "new term" stereotype has been applied to the element, returns the stereotype.
IRPModelElement	getOfTemplate () If the element is an instantiation of a template, this method returns the template that it instantiates.
IRPCollection	getOSLCLinks () Returns a collection of all the element's OSLC links.
java.lang.String	getOverlayIconFileName () Returns the full path of the graphic file that is used as an overlay on this specific model element, on top of the regular icon that represent elements of this type in the browser.
IRPCollection	getOverriddenProperties (int recursive) Returns a collection of all the properties whose value was overridden for this model element.
IRPCollection	getOverriddenPropertiesByPattern (java.lang.String pattern, int locallyOverriddenOnly, int withDefaultValues) method getOverriddenPropertiesByPattern
IRPCollection	getOwnedDependencies () Returns all of the dependencies that are owned by the element.
IRPModelElement	getOwner () Returns the model element that owns this model element.

Method Summary	
IRPPProject	getProject () Returns the project that the current element belongs to.
java.lang.String	getPropertyValue (java.lang.String propertyKey) Returns the value of the specified property for the model element.
java.lang.String	getPropertyValueConditional (java.lang.String propertyKey, IRPCollection formalKey, IRPCollection actualValues) Returns the value of the specified property for the model element, taking into account the collection of tokens specified and the collection of token values specified.
java.lang.String	getPropertyValueConditionalExplicit (java.lang.String propertyKey, IRPCollection formalKey, IRPCollection actualValues) Returns the value of the specified property for the model element, if the default value was overridden, taking into account the collection of tokens specified and the collection of token values specified.
java.lang.String	getPropertyValueExplicit (java.lang.String propertyKey) Returns the value of the specified property for the model element if the default value was overridden.
IRPCollection	getRedefines () method getRedefines
IRPCollection	getReferences () Returns a collection of all the model elements that point to this model element.
IRPCollection	getRemoteDependencies () For Rhapsody Model Manager projects, returns a collection of all the dependencies that the model element has on remote artifacts.
java.lang.String	getRemoteURI () For elements that are remote resources, returns the URI of the resource.
int	getRequirementTraceabilityHandle () Returns the ID used by DOORS to refer to this requirement.
java.lang.String	getRmmUrl () Returns the Rhapsody Model Manager url for the model element.
IRPUnit	getSaveUnit () Returns the unit that the model element is saved in.
IRPStereotype	getStereotype () Deprecated. <i>Since Rhapsody now allows multiple stereotypes to be applied to a model element, the <code>getStereotypes()</code> method should be used instead.</i>
IRPCollection	getStereotypes () Returns a collection of the stereotypes that have been applied to the element.
IRPTag	getTag (java.lang.String name) Returns the tag specified.
IRPCollection	

Method Summary	
	getTemplateParameters () For model elements that are templates, returns the template parameters.
IRPTemplateInstantiation	getTi () For model elements that are template instantiations, returns an object that contains the template instantiation parameters.
java.lang.String	getToolTipHTML () Returns the HTML that would be used to display the tooltip for the element in the user interface.
java.lang.String	getUserDefinedMetaClass () Gets the name of the New Term on which the model element is based.
int	hasNestedElements () Checks whether the model element contains other elements.
int	hasPanelWidget () Checks whether the model element is bound to a panel diagram widget.
void	highlightElement () Locates the element in the Rhapsody browser, and highlights the element in the diagram where it appears.
int	isATemplate () Checks whether the model element is a template.
int	isDescriptionRTF () Checks whether the description for the element is in RTF format.
int	isDisplayNameRTF () Checks whether the label of the element is in RTF format.
int	isModified () Checks if the element was modified since the model was last saved.
int	isRemote () Checks whether the model element is a remote resource such as a DOORS/DOORS Next requirement.
int	locateInBrowser () Locates the model element in the Rhapsody browser.
void	lockOnDesignManager () Deprecated. <i>Support for Design Manager was removed from Rhapsody in release 8.4.</i>
void	openFeaturesDialog (int newDialog) Displays the information for the element in the Features window.
void	removeProperty (java.lang.String propertyKey) Removes the value that was set for the specified property.
void	removeRedefines (IRPModelElement removedRedefine) method removeRedefines

Method Summary	
void	removeStereotype (IRPStereotype stereotype) Removes the specified stereotype from the element.
void	setDecorationStyle (java.lang.String newVal) Used to specify the decoration style that should now be associated with the model element.
void	setDescription (java.lang.String description) Sets the specified string as the description of the element.
void	setDescriptionAndHyperlinks (java.lang.String rtfText, IRPCollection targets) Specifies an RTF string to use as the description for the element, and a collection of elements to which hyperlinks should be created.
void	setDescriptionHTML (java.lang.String descriptionHTML) Not implemented - should not be used.
void	setDescriptionRTF (java.lang.String descriptionRTF) Specifies the RTF string to use for the description of the model element.
void	setDisplayname (java.lang.String displayName) Specifies the text to use for the label of the model element.
void	setDisplaynameRTF (java.lang.String newVal) Specifies the RTF string to use for the label of the model element.
void	setGUID (java.lang.String gUID) Sets a new GUID for the model element.
void	setIsShowDisplayName (int isShowDisplayName) Specifies whether the label of the element should be displayed instead of the element name whenever the element is used in a diagram.
void	setMainDiagram (IRPDiagram mainDiagram) Specifies the "main" diagram for the element.
void	setName (java.lang.String name) Sets the specified string as the name of the element.
void	setOfTemplate (IRPModelElement ofTemplate) Makes the current model element a template instantiation of the specified template.
void	setOwner (IRPModelElement owner) Specifies the model element that should be the owner of this element.
void	setPropertyvalue (java.lang.String propertyKey, java.lang.String propertyValue) Sets the value of a property for the model element.
void	setRequirementTraceabilityHandle (int requirementTraceabilityHandle) Sets a new ID to be used to reference this requirement
void	setStereotype (IRPStereotype stereotype) Applies the specified stereotype to the element.

Method Summary

IRPTag	setTagContextValue (IRPTag tag, IRPCollection elements, IRPCollection multiplicities) Applies the specified tag to the model element, and sets the value of the tag to a specific instance of another model element.
IRPTag	setTagElementValue (IRPTag tag, IRPModelElement val) Applies a tag whose type is a model element to the current element with the value specified.
IRPTag	setTagValue (IRPTag tag, java.lang.String val) Applies the specified tag to the model element with the value specified.
void	setTi (IRPTemplateInstantiation ti) For internal use only.
void	synchronizeTemplateInstantiation () After changes are made to a template, this method can be called on each instantiation of the template in order to update the instantiation to match the changes that were made to the template.
void	unlockOnDesignManager () Deprecated. <i>Support for Design Manager was removed from Rhapsody in release 8.4.</i>

Method Detail

addAssociation

```
IRPAssociationClass addAssociation(IRPRelation end1,  
                                   IRPRelation end2,  
                                   java.lang.String name)
```

Creates an association class using the specified [IRPRelation](#) elements. Can only be called on the elements that can contain association classes - packages and classes. To add an ordinary association, use the method [IRPClassifier.addRelationTo](#).

Parameters:

end1 - the [IRPRelation](#) element at one end of the association
end2 - the [IRPRelation](#) element at the second end of the association
name - the name to use for the new association class

Returns:

the association class that was created

addDependency

```
IRPDependency addDependency (java.lang.String dependsOnName,  
                               java.lang.String dependsOnType)
```

Adds a dependency from the model element to the model element specified by the parameters. The method searches the model recursively until it finds an element that matches the name and metaclass specified. Since your model may contain multiple elements with the same name and type in different packages, the preferred way to add a dependency is to use the method `addDependencyTo`, which takes a specific model element as an argument.

Parameters:

`dependsOnName` - the name of the model element on which this model element depends
`dependsOnType` - the type (metaclass) of the model element on which this model element depends. The strings to use for this parameter should be taken from the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation.

Returns:

the new dependency that was created

addDependencyBetween

```
IRPDependency addDependencyBetween(IRPModelElement dependent,
                                     IRPModelElement dependsOn)
```

Creates a dependency between the two specified elements. In most cases, you can use the method `IRPModelElement.addDependencyTo` to add a new dependency. However, in cases where you want to create a dependency between two read-only elements, you can use `addDependencyBetween` to create the new dependency and assign ownership of the dependency to a third model element.

Parameters:

`dependent` - the model element that is dependent on the other model element
`dependsOn` - the model element that the first element depends upon

Returns:

the new dependency that was created

Throws:

[RhapsodyRuntimeException](#)

addDependencyTo

```
IRPDependency addDependencyTo(IRPModelElement element)
```

Adds a dependency upon another model element.

Parameters:

`element` - the model element that this element depends upon

Returns:

the dependency created

addLinkToElement

```
IRPLink addLinkToElement(IRPModelElement toElement,
                           IRPRelation assoc,
                           IRPModelElement fromPort,
                           IRPModelElement toPort)
```

Creates a link between this model element and the model element specified as an argument. The types of elements that can be connected with a link by using this method are the same types of elements that can be joined by a link in the Rhapsody diagram editors. In addition to specifying the other model element that should be connected by this link, you must specify the association that the link should represent, or, alternatively, the two ports that should be used for the link. If you provide the two ports as arguments, you should use Null for the association argument. Similarly, if you specify an association, you should use Null for the two port arguments. Note that if you are not specifying the two ports, you must provide an association as an argument even if there is only one relevant association.

Parameters:

`toElement` - the model element that the link should connect to
`assoc` - the association that the link should represent
`fromPort` - the "from" port for the link
`toPort` - the "to" port for the link

Returns:

the link created

addNewAggr

[IRPModelElement](#) **addNewAggr**(java.lang.String metaType,
 java.lang.String name)

Adds a new model element to the current element, for example, adding a class to a package.

Parameters:

`metaType` - the type of element to add. The string to use is the name of the appropriate metaclass. The list of metaclass names that can be used for this argument can be found in the file `metaclasses.txt` in the Doc directory of your Rhapsody installation.
`name` - the name to use for the new element

Returns:

the new element that was created

```
static IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
IRPProject prj = app.openProject("d:\\temp\\_sample_code\\Class_Tricks.rpy");
IRPPackage cameraPackage = prj.addPackage("Cameras");
cameraPackage.addNewAggr("Stereotype", "s1");
```

addProperty

void **addProperty**(java.lang.String propertyKey,
 java.lang.String propertyType,
 java.lang.String propertyValue)

Adds a new property to the model element and assigns a value to it. Note that this method does not have a user interface equivalent in the Features window.

Parameters:

`propertyKey` - the name of the property to add. The syntax to use for this parameter is `Subject.MetaClass.Property`, for example, `CG.Class.NewProperty`

`propertyType` - the property type. The strings that can be used for this parameter are: "Enum", "Bool", "String", "Color", "Int", "Double", "Font", "File", "Path", and "MultiLine". If you want to add a property of type Enum, you can specify the possible values using the following syntax for this parameter: "Enum,wood,plastic,metal".

`propertyValue` - the value to assign to the new property. For boolean properties, use "True" or "False".

addRedefines

```
void addRedefines(IRPModelElement newRedefine)
```

method addRedefines

Throws:

[RhapsodyRuntimeException](#)

addRemoteDependencyTo

```
IRPDependency addRemoteDependencyTo(IRPModelElement element,  
                                       java.lang.String linkType)
```

For Design Manager projects, used to create a dependency from a model element to a remote element. This method corresponds to the "link to remote requirement" option in the user interface. In order to have the remote element available as a model element to use with this method, you must first call the `IRPProject.getRemoteResourcePackages()` method. (For remote requirements that are not yet linked to any elements in the model, you must also call the `IRPPackage.populateRemoteRequirements()` method.) Note that while the first parameter can be any object of type `IRPModelElement`, at the moment you can only add dependencies to remote requirements.

Parameters:

`element` - the remote element to which a dependency should be created

`linkType` - - one of the link types available with the requirement tool that you are using. For example, for DOORS Next, the possible types are "Derives From", "Refines", "Satisfies", and "Trace".

Returns:

the new dependency that was created

addSpecificStereotype

```
void addSpecificStereotype(IRPStereotype stereotype)
```

Applies the specified stereotype to the model element.

Parameters:

`stereotype` - the stereotype to apply to the model element

addStereotype

[IRPStereotype](#) **addStereotype**(java.lang.String name,
java.lang.String metaType)

Applies the specified stereotype to the model element if the project contains a stereotype with the name specified and applicable to the metaclass specified. If the project does not yet contain such a stereotype, this method creates the stereotype in the package that owns the model element, and applies the new stereotype to the model element.

Parameters:

name - the name of the stereotype to apply (or create and apply)
metaType - the metaclass that the stereotype is applicable to

Returns:

the stereotype applied (or created and applied) to the model element

becomeTemplateInstantiationOf

void **becomeTemplateInstantiationOf**([IRPModelElement](#) newVal)

Makes the current model element a template instantiation of the specified template.

Parameters:

newVal - the template to use for the instantiation

changeTo

[IRPModelElement](#) **changeTo**(java.lang.String metaClass)

Changes the model element to the type of element specified by the parameter provided. This corresponds to the "Change to" option that is included in the pop-up menu for model elements in the browser. An element that is not a "new term" can be changed to any of the "new terms" that are based on it. An element that is a "new term" can be changed to the model element that it is based on or to any of the other "new terms" that are based on that base element. Note that when you use this method, you must always use a variable to store the model element that is returned. This is necessary because the original element is destroyed, so you will have problems if you try to access the original element after this method is called.

Parameters:

metaClass - the metaclass of the element that this element should be changed to. The strings to use for this parameter should be taken from the file metaClasses.txt in the Doc directory of the Rhapsody installation.

Returns:

the new model element that was created.

clone

[IRPModelElement](#) **clone**(java.lang.String name,
[IRPModelElement](#) newOwner)

Clones a model element.

Parameters:

name - the name to use for the new element

newOwner - the model element that should be the owner of the new element

Returns:

the new model element that was created

createOSLCLink

```
void createOSLCLink(java.lang.String type,
                   java.lang.String purl)
```

Creates an OSLC link between the element and the element represented by the specified URL. Links to ETM test cases and EWM work items are created on the relevant remote server and therefore require a login before new links can be created. In such cases, you can call the method IRPPackage.loginToRemoteArtifactServer before calling the method createOSLCLink. If the login method was not called, Rhapsody will open the login window as part of the link creation process.

Parameters:

type - one of the OSLC link types that can be created. Must be one of the typed defined in IRPModelElement.OSLCLink.Types. Note that the "Derives From" link type can only be used when creating a link to a requirement from DOORS Next.

purl - the URL for the target element. The URL should not include the "context" parameter.

Throws:

[RhapsodyRuntimeException](#)

deleteDependency

```
void deleteDependency(IRPDependency dependency)
```

Deletes the specified dependency from the model.

Parameters:

dependency - the dependency to be deleted

deleteFromProject

```
void deleteFromProject ()
```

Deletes the current model element from the model.

deleteOSLCLink

```
void deleteOSLCLink(java.lang.String type,
                   java.lang.String purl)
```

Deletes the specified OSLC link from the model.

Parameters:

`type` - the link type of the OSLC link that is to be deleted. Must be one of the typed defined in [IRPModelElement.OSLCLink.Types](#). You can also use "*" to represent all of the types.

`url` - the URL for the link's target element. You can use "*" as the value of the parameter in order to delete all links of the specified type.

Throws:

[RhapsodyRuntimeException](#)

errorMessage

```
java.lang.String errorMessage()
```

Returns error message for last method called. If the last method completed successfully, then this method returns an empty string. To get the correct error message for a method, `errorMessage()` must be called immediately after the method is called.

Returns:

the error message for the last method called

findElementsByFullName

```
IRPModelElement findElementsByFullName(java.lang.String name,
                                       java.lang.String metaClass)
```

Searches for the specified model element in the specified path under the current model element.

```
// this code gets the class Webcam in the package SpecializedCameras which is a subpackage
IRPProject currentProject = app.activeProject();
IRPClass classToFind = (IRPClass)currentProject.findElementsByFullName("Webcam in Camera
System.out.println(classToFind.getFullPathName());
```

Parameters:

`name` - the name of the element to search for and the relative path to the element starting at the current element. This argument can use the format "Class in Package::Subpackage" or the format "Package::Subpackage::Class", for example, `findElementsByFullName("Cameras::SpecializedCameras::Webcam", "Class")`

`metaClass` - the metaclass of the element you are looking for. The strings to use for this parameter should be taken from the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation.

Returns:

the model element that was specified

findNestedElement

```
IRPModelElement findNestedElement(java.lang.String name,
                                    java.lang.String metaClass)
```

Searches for the specified model element. This method only searches the first level of elements below the current element. To search all of the levels below the current element, use the method `findNestedElementRecursive`.

Parameters:

`name` - the name of the element to search for

`metaClass` - the metaclass of the element you are looking for. The strings to use for this parameter should be taken from the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation.

Returns:

the model element that was specified. Note that the element is always returned as an object of type `IRPModelElement`. So you will usually have to use casting, for example,
`IRPPackage packageToUse = (IRPPackage)prj.findNestedElement("GreeterPackage", "Package");`

findNestedElementRecursive

[IRPModelElement](#) `findNestedElementRecursive`(`java.lang.String name`,
`java.lang.String metaClass`)

Searches recursively for the specified model element. This method searches all of the levels below the current element. To search only the first level of elements below the current element, use the method `findNestedElement`.

Parameters:

`name` - the name of the element to search for

`metaClass` - the metaclass of the element you are looking for. The strings to use for this parameter should be taken from the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation.

Returns:

the model element that was specified. Note that the element is always returned as an object of type `IRPModelElement`. So you will usually have to use casting, for example,
`IRPPackage packageToUse = (IRPPackage)prj.findNestedElementRecursive("GreeterPackage", "Package");`

getAllTags

[IRPCollection](#) `getAllTags`()

Returns a collection of all the element's tags.

Returns:

a collection of `IRPTag` objects representing the element's tags

getAnnotations

[IRPCollection](#) `getAnnotations`()

Returns all of the element's annotations. This includes comments, constraints, and requirements.

Returns:

all of the element's annotations: comments, constraints, and requirements

getAssociationClasses

[IRPCollection](#) `getAssociationClasses()`

Returns a collection of all the association classes directly beneath this model element. This method is only relevant for packages and classifiers.

Returns:

all of the association classes directly beneath this model element

getBinaryID

`byte[]` `getBinaryID()`

Returns the GUID of the model element as an array of bytes, as opposed to the method `getGUID`, which returns the GUID as a string.

Returns:

the GUID of the model element as an array of bytes

getConstraints

[IRPCollection](#) `getConstraints()`

Returns all of the element's constraints.

Returns:

all of the element's constraints

getConstraintsByHim

[IRPCollection](#) `getConstraintsByHim()`

For internal use only.

getControlledFiles

[IRPCollection](#) `getControlledFiles()`

Returns a collection of all the element's controlled files.

Returns:

a collection of `IRPControlledFile` objects representing the element's controlled files

getDecorationStyle

`java.lang.String` `getDecorationStyle()`

Returns the name of the decoration style currently associated with the model element.

Returns:

the decoration style currently associated with the model element

getDependencies

[IRPCollection](#) `getDependencies()`

Returns all of the element's dependencies.

Returns:

all of the element's dependencies

getDescription

`java.lang.String` `getDescription()`

Returns the description defined for the element.

Returns:

the description for the element

getDescriptionHTML

`java.lang.String` `getDescriptionHTML()`

Returns HTML representation of the element description.

Returns:

HTML representation of the element description

getDescriptionPlainText

`java.lang.String` `getDescriptionPlainText()`

Returns the description defined for the element in plain text format.

Returns:

the description for the element in plain text format

getDescriptionRTF

`java.lang.String` `getDescriptionRTF()`

Returns the description defined for the element in RTF format.

Returns:

the description for the element in RTF format

getDisplayName

```
java.lang.String getDisplayName()
```

Returns the label of the model element.

Returns:

the label of the model element

getDisplayNameRTF

```
java.lang.String getDisplayNameRTF()
```

Returns the label of the model element as an RTF string.

Returns:

the label of the model element as an RTF string.

getErrorMessage

```
java.lang.String getErrorMessage()
```

Returns error message for last method called. If the last method completed successfully, then this method returns an empty string. To get the correct error message for a method, `errorMessage()` must be called immediately after the method is called.

Returns:

the error message for the last method called

getFullPathName

```
java.lang.String getFullPathName()
```

Returns the full path name of the model element. The format of the string returned is `package::subpackage::class`.

```
// this code prints the full path name for each class in the Cameras package, including
System.out.println("=====");
IRPCollection allClassesInCamerasPackage = cameraPackage.getNestedElementsByMetaa
int numberOfClasses = allClassesInCamerasPackage.getCount();
// note that when using getItem to get an item from an IRPCollection object, the
IRPModelElement elementInCollection;
for(int i = 1; i < numberOfClasses+1 ; i++) {
    elementInCollection = (IRPModelElement)allClassesInCamerasPackage.getItem
System.out.println(elementInCollection.getFullPathName());
}
```

Returns:

the full path name of the model element. The format of the string returned is `package::subpackage::class`.

getFullPathNameIn

```
java.lang.String getFullPathNameIn()
```

Retrieves the full path name of the element as a string in the following format: (class) in (package).

Returns:

the full path name of the element in the format: (class) in (package)

getGUID

```
java.lang.String getGUID()
```

Returns the GUID of the model element. In situations where you may have to carry out multiple searches for the same element, you can use the getGUID method to get the GUID of the element once, and then use the method IRPProject.findElementByGUID which performs a quicker search than the other "find" methods provided.

Returns:

the GUID of the model element

getHyperLinks

```
IRPCollection getHyperLinks()
```

Returns a collection of all the hyperlinks associated with the element.

Returns:

a collection of IRPHyperLink objects representing the hyperlinks associated with the element

getIconFileName

```
java.lang.String getIconFileName()
```

Returns the full path of the graphic file used to represent elements of this type in the browser, for example, D:\programs\rhapsody80\Share\PredefinedPictures\Icons\RhapsodyIcons_72.gif.

Returns:

the full path of the graphic file used to represent elements of this type in the browser

getInterfaceName

```
java.lang.String getInterfaceName()
```

Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.

Returns:

the name of the API interface corresponding to the current element

getIsExternal

```
int getIsExternal()
```

Checks whether the element is an "external" element - corresponds to the value of the property UseAsExternal.

Returns:

1 if the element is an "external" element, 0 otherwise

getIsOfMetaClass

```
int getIsOfMetaClass(java.lang.String metaClass)
```

Indicates whether the model element is based on the metaclass provided as a parameter.

Parameters:

`metaClass` - The name of the metaclass to check for. The strings to use for this parameter should be taken from the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation.

Returns:

indication of whether the model element is based on the metaclass specified. 1 means that the model element is based on the metaclass specified, 0 means it is not based on that metaclass.

getIsShowDisplayName

```
int getIsShowDisplayName()
```

Checks whether the model element is configured to have its label displayed instead of its name whenever it is included in a diagram. This behavior is controlled by the `General::Graphics::ShowLabels` property.

Returns:

1 if the element is configured to have its label displayed instead of its name in diagrams, 0 otherwise

getIsUnresolved

```
int getIsUnresolved()
```

Checks if the element is an element that can't be resolved by Rhapsody.

Returns:

indication of whether the element is an unresolved element - 0 if the element can be resolved, 1 if the element is unresolved

getLocalTags

```
IRPCollection getLocalTags()
```

Returns a collection of the tags that were created locally for this model element.

Returns:

the tags that were created locally for the model element (collection of IRPTag elements)

getMainDiagram

[IRPDiagram](#) `getMainDiagram()`

Returns the "main" diagram for the element. This operation is valid only for packages, classes, actors, use cases, objects, and interfaces.

Returns:

the "main" diagram for the element

getMetaClass

`java.lang.String getMetaClass()`

Gets the name of the metaclass on which the model element is based. Note that if the element is based on a New Term stereotype, the string returned here will be the metaclass on which it is based. To get the name of the New Term stereotype, use the method `IRPModelElement.getUserDefinedMetaClass`.

Returns:

the name of the metaclasses on which the model element is based. The string returned will be one of the the metaclass names listed in the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation. For example, for an object of type `IRPStereotype`, the string "Stereotype" will be returned.

getName

`java.lang.String getName()`

Returns the name of the element.

Returns:

the name of the element

getNestedElements

[IRPCollection](#) `getNestedElements()`

Gets a collection of all the model elements that are directly under the current element. Note that if you call this method on a package, the returned collection will not include functions, global variables, or global objects contained in the package because these are actually contained in a class called `TopLevel`. To get the functions, global variables, or global objects contained in a package, use the following `IRPPackage` methods: `getGlobalFunctions()`, `getGlobalVariables()`, and `getGlobalObjects()`.

Returns:

a collection of `IRPModelElement` objects representing all the model elements that are directly under the current element

```

IRPPProject prj = app.openProject("1:\\temp\\_sample_code\\Unit_Tricks.rpy");
IRPPackage vehiclePackage = prj.addPackage("Vehicles");
vehiclePackage.addClass("Car");
vehiclePackage.addClass("Jeep");
vehiclePackage.addClass("Convertible");
prj.save();
IRPCollection elementsInVehiclesPackage = vehiclePackage.getNestedElements();
IRPModelElement elementInCollection;
System.out.println("The Vehicles package contains:");
for (int i = 1; i <= elementsInVehiclesPackage.getCount(); i++) {
    elementInCollection = (IRPModelElement)elementsInVehiclesPackage.getItem(i);
    System.out.println("\t" + elementInCollection.getName());
}

```

getNestedElementsByMetaClass

[IRPCollection](#) **getNestedElementsByMetaClass**(java.lang.String metaClass,
int recursive)

Retrieves all of the model elements of the specified type below the current element. The second argument can be used to specify whether the retrieval should be recursive.

```

// this code retrieves all the classes in the Cameras package (including classes in sub
IRPCollection allClassesInCamerasPackage = cameraPackage.getNestedElements();
int numberOfClasses = allClassesInCamerasPackage.getCount();
// note that when using getItem to get an item from an IRPCollection object
IRPModelElement elementInCollection;
for(int i = 1; i <numberOfClasses+1 ; i++) {
    elementInCollection = (IRPModelElement)allClassesInCamerasPackage.getItem(i);
    System.out.println(elementInCollection.getMetaClass() + ": " + elementInCollection.getName());
}

```

Parameters:

metaClass - the type of elements that you want to retrieve. The strings to use for this parameter should be taken from the file metaclasses.txt in the Doc directory of the Rhapsody installation.

recursive - Use 1 to specify that the retrieval should be recursive. Use 0 if you only want to retrieve the relevant elements from the first level below the current element.

Returns:

a collection of the model elements of the specified type below the current element

getNestedElementsRecursive

[IRPCollection](#) **getNestedElementsRecursive**()

Returns a collection that consists of the current element and all of the model elements below it.

```

// this code retrieves all the items in the Cameras package, and prints their type and name
IRPCollection allItemsInCameraPackage = cameraPackage.getNestedElementsRecursive();
int numberOfElements = allItemsInCameraPackage.getCount();
// note that when using getItem to get an item from an IRPCollection object, the index is 1
IRPModelElement elementInCollection;
for(int i = 1; i <numberOfElements+1 ; i++) {
    elementInCollection = (IRPModelElement)allItemsInCameraPackage.getItem(i);
    System.out.println(elementInCollection.getMetaClass() + ": " + elementInCollection.getName());
}

```

```
    elementInCollection = (IRPModelElement)allItemsInCameraPackage.getItem(i);  
    System.out.println(elementInCollection.getMetaClass() + ": " + elementInCollection);  
}
```

Returns:

a collection consisting of the current element and all of the model elements below it

getNewTermStereotype

[IRPStereotype](#) `getNewTermStereotype()`

If a "new term" stereotype has been applied to the element, returns the stereotype.

Returns:

the "new term" stereotype that was applied to the element

getOSLCLinks

[IRPCollection](#) `getOSLCLinks()`

Returns a collection of all the element's OSLC links. Each item in the collection is a string that uses the following format: "Type=<<link type>>(newline)URL=<<linked item URL>>".

Returns:

all of the element's OSLC links

Throws:

[RhapsodyRuntimeException](#)

getOfTemplate

[IRPModelElement](#) `getOfTemplate()`

If the element is an instantiation of a template, this method returns the template that it instantiates.

Returns:

the template that this model element instantiates

getOverlayIconFileName

`java.lang.String` `getOverlayIconFileName()`

Returns the full path of the graphic file that is used as an overlay on this specific model element, on top of the regular icon that represent elements of this type in the browser.

Returns:

the full path of the graphic file that is used as an overlay on this specific model element, on top of the regular icon that represent elements of this type in the browser

getOverriddenProperties

[IRPCollection](#) `getOverriddenProperties` (int recursive)

Returns a collection of all the properties whose value was overridden for this model element. The collection consists of strings that use the format subject:metaclass:property:value.

Parameters:

`recursive` - use 1 to specify that the method should return all properties overridden for the element - from the level of the element itself all the way up to the project level, use 0 to specify that the method should only return the properties that were overridden at the level of the element itself

Returns:

the properties whose value was overridden for this model element

getOverriddenPropertiesByPattern

[IRPCollection](#) `getOverriddenPropertiesByPattern` (java.lang.String pattern,
int locallyOverridenOnly,
int withDefaultValues)

method `getOverriddenPropertiesByPattern`

Throws:

[RhapsodyRuntimeException](#)

getOwnedDependencies

[IRPCollection](#) `getOwnedDependencies` ()

Returns all of the dependencies that are owned by the element.

Returns:

all of the dependencies that are owned by this element

Throws:

[RhapsodyRuntimeException](#)

getOwner

[IRPModelElement](#) `getOwner` ()

Returns the model element that owns this model element.

Returns:

the model element that owns this model element

getProject

[IRPProject](#) `getProject` ()

Returns the project that the current element belongs to.

Returns:

the project the current element belongs to

getPropertyValue

```
java.lang.String getPropertyValue(java.lang.String propertyKey)
```

Returns the value of the specified property for the model element.

Parameters:

`propertyKey` - the property whose value should be returned. The syntax to use for this parameter is `Subject.Metaclass.Property`, for example, `CG.Class.ActiveThreadName`

Returns:

the value of the specified property. If a value has not been set specifically for this element, the default value is returned (the value propagated from a higher level)

getPropertyValueConditional

```
java.lang.String getPropertyValueConditional(java.lang.String propertyKey,  
                                              IRPCollection formalKey,  
                                              IRPCollection actualValues)
```

Returns the value of the specified property for the model element, taking into account the collection of tokens specified and the collection of token values specified. For more information on using tokens in property values, see "Conditional Properties" in the Rhapsody help.

Parameters:

`propertyKey` - the property whose value should be returned. The syntax to use for this parameter is `Subject.Metaclass.Property`, for example, `CG.Class.ActiveThreadName`

`formalKey` - the collection of tokens to take into account (collection of strings)

`actualValues` - the collection of token values to take into account (collection of strings)

Returns:

the value of the specified property, taking into account the tokens and token values specified. If a value has not been set specifically for this element, the default value is returned (the value propagated from a higher level)

getPropertyValueConditionalExplicit

```
java.lang.String getPropertyValueConditionalExplicit(java.lang.String propertyKey,  
                                                      IRPCollection formalKey,  
                                                      IRPCollection actualValues)
```

Returns the value of the specified property for the model element, if the default value was overridden, taking into account the collection of tokens specified and the collection of token values specified. For more information on using tokens in property values, see "Conditional Properties" in the Rhapsody help. If a value has not been set explicitly for the model element, the method will not return the default value (like the `getPropertyValueConditional` method does). Rather, it will throw an exception.

Parameters:

`propertyKey` - the property whose value should be returned. The syntax to use for this parameter is `Subject.Metaclass.Property`, for example, `CG.Class.ActiveThreadName`

`formalKey` - the collection of tokens to take into account (collection of strings)

`actualValues` - the collection of token values to take into account (collection of strings)

Returns:

the value that was explicitly set for the model element for the specified property, taking into account the tokens and token values specified

getPropertyValueExplicit

```
java.lang.String getPropertyValueExplicit(java.lang.String propertyKey)
```

Returns the value of the specified property for the model element if the default value was overridden. If a value has not been set explicitly for the model element, it will not return the default value (like the `getPropertyValue` method does). Rather, it will throw an exception.

Parameters:

`propertyKey` - the property whose value should be returned. The syntax to use for this parameter is `Subject.MetaClass.Property`, for example, `CG.Class.ActiveThreadName`

Returns:

the value that was explicitly set for the model element for the specified property

getRedefines

```
IRPCollection getRedefines()
```

method `getRedefines`

Throws:

[RhapsodyRuntimeException](#)

getReferences

```
IRPCollection getReferences()
```

Returns a collection of all the model elements that point to this model element.

Returns:

all the model elements that point to this model element

getRemoteDependencies

```
IRPCollection getRemoteDependencies()
```

For Rhapsody Model Manager projects, returns a collection of all the dependencies that the model element has on remote artifacts.

Returns:

all the dependencies that the model element has on remote artifacts

getRemoteURI

java.lang.String **getRemoteURI** ()

For elements that are remote resources, returns the URI of the resource.

Returns:

the URI of the remote resource. If the method is called for an element that is not a remote resource, an empty string is returned.

getRequirementTraceabilityHandle

int **getRequirementTraceabilityHandle** ()

Returns the ID used by DOORS to refer to this requirement.

Returns:

the ID used by DOORS to refer to this requirement

getRmmUrl

java.lang.String **getRmmUrl** ()

Returns the Rhapsody Model Manager url for the model element.

Returns:

the Rhapsody Model Manager url for the model element

Throws:

[RhapsodyRuntimeException](#)

getSaveUnit

[IRPUnit](#) **getSaveUnit** ()

Returns the unit that the model element is saved in.

Returns:

the unit that the element is saved in

getStereotype

[IRPStereotype](#) **getStereotype** ()

Deprecated. *Since Rhapsody now allows multiple stereotypes to be applied to a model element, the `getStereotypes()` method should be used instead.*

getStereotypes

[IRPCollection](#) `getStereotypes()`

Returns a collection of the stereotypes that have been applied to the element.

Returns:

the stereotypes that have been applied to the element

getTag

[IRPTag](#) `getTag(java.lang.String name)`

Returns the tag specified. This method can be used for both local tags and global tags.

Parameters:

name - the name of the tag to return

Returns:

the tag specified

getTemplateParameters

[IRPCollection](#) `getTemplateParameters()`

For model elements that are templates, returns the template parameters.

Returns:

the parameters of the template

getTi

[IRPTemplateInstantiation](#) `getTi()`

For model elements that are template instantiations, returns an object that contains the template instantiation parameters.

Returns:

object that contains the template instantiation parameters

getToolTipHTML

`java.lang.String` `getToolTipHTML()`

Returns the HTML that would be used to display the tooltip for the element in the user interface.

Returns:

the HTML that would be used to display the tooltip for the element in the user interface

getUserDefinedMetaClass

```
java.lang.String getUserDefinedMetaClass ()
```

Gets the name of the New Term on which the model element is based.

Returns:

the name of the New Term on which the model element is based. The string returned will be the name of the New Term stereotype that you defined. To get the name of the metaclass on which the New Term is based, use the method `IRPModelElement.getMetaClass()`.

hasNestedElements

```
int hasNestedElements ()
```

Checks whether the model element contains other elements.

Returns:

1 if the model element contains other elements, 0 otherwise

hasPanelWidget

```
int hasPanelWidget ()
```

Checks whether the model element is bound to a panel diagram widget.

Returns:

1 if the element is bound to a panel diagram widget, 0 otherwise

highLightElement

```
void highLightElement ()
```

Locates the element in the Rhapsody browser, and highlights the element in the diagram where it appears. Note that the element will be highlighted in the diagram only if it is the kind of element that can appear in only one diagram, for example, a state.

isATemplate

```
int isATemplate ()
```

Checks whether the model element is a template.

Returns:

1 if the element is a template, 0 otherwise

isDescriptionRTF

```
int isDescriptionRTF()
```

Checks whether the description for the element is in RTF format.

Returns:

1 if the description is in RTF format, 0 otherwise

isDisplayNameRTF

```
int isDisplayNameRTF()
```

Checks whether the label of the element is in RTF format.

Returns:

1 if the label is in RTF format, 0 otherwise

isModified

```
int isModified()
```

Checks if the element was modified since the model was last saved.

Returns:

1 if the element was modified since the model was last saved, 0 if the element was not modified

isRemote

```
int isRemote()
```

Checks whether the model element is a remote resource such as a DOORS/DOORS Next requirement.

Returns:

1 if the element is a remote resource, 0 if not

locateInBrowser

```
int locateInBrowser()
```

Locates the model element in the Rhapsody browser.

Returns:

returns 1 if the element was located in the browser

lockOnDesignManager

@Deprecated

void **lockOnDesignManager** ()

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

openFeaturesDialog

void **openFeaturesDialog** (int newDialog)

Displays the information for the element in the Features window. Depending on the value of the parameter provided, opens a new Features window or uses an already-open Features window.

Parameters:

`newDialog` - Use 1 to specify that the element information should be displayed in a new Features window. Use 0 to specify that the information should be displayed in a Features window that is already open or in a new window if there is no open Features window.

removeProperty

void **removeProperty** (java.lang.String propertyKey)

Removes the value that was set for the specified property. This is equivalent to the "un-override" option in the Features window.

Parameters:

`propertyKey` - the property whose value should be removed. The syntax to use for this parameter is `Subject.Metaclass.Property`, for example, `CG.Class.ActiveThreadName`

removeRedefines

void **removeRedefines** ([IRPModelElement](#) removedRedefine)

method `removeRedefines`

Throws:

[RhapsodyRuntimeException](#)

removeStereotype

void **removeStereotype** ([IRPStereotype](#) stereotype)

Removes the specified stereotype from the element.

Parameters:

`stereotype` - the stereotype to be removed from the element

setDecorationStyle

```
void setDecorationStyle (java.lang.String newVal)
```

Used to specify the decoration style that should now be associated with the model element.

Parameters:

`newVal` - The decoration style that should now be associated with the model element. The value of the parameter must be one of the strings included in the value of the property `Format::Decoration::StyleNames`.

setDescription

```
void setDescription (java.lang.String description)
```

Sets the specified string as the description of the element.

Parameters:

`description` - the string to use as the description of the element

setDescriptionAndHyperlinks

```
void setDescriptionAndHyperlinks (java.lang.String rtfText,  
                                  IRPCollection targets)
```

Specifies an RTF string to use as the description for the element, and a collection of elements to which hyperlinks should be created.

Parameters:

`rtfText` - the string to use for the element description - must be in RTF format
`targets` - the collection of elements for which hyperlinks should be created

setDescriptionHTML

```
void setDescriptionHTML (java.lang.String descriptionHTML)
```

Not implemented - should not be used.

setDescriptionRTF

```
void setDescriptionRTF (java.lang.String descriptionRTF)
```

Specifies the RTF string to use for the description of the model element.

Parameters:

`descriptionRTF` - the RTF string to use for the description of the model element

setDisplayNames

```
void setDisplayNames(java.lang.String displayName)
```

Specifies the text to use for the label of the model element.

Parameters:

displayName - the text to use for the label of the model element

setDisplayNameRTF

```
void setDisplayNameRTF(java.lang.String newVal)
```

Specifies the RTF string to use for the label of the model element.

Parameters:

newVal - the RTF string to use for the label of the model element

setGUID

```
void setGUID(java.lang.String gUID)
```

Sets a new GUID for the model element.

Parameters:

gUID - the new GUID that should be used for the model element

setIsShowDisplayName

```
void setIsShowDisplayName(int isShowDisplayName)
```

Specifies whether the label of the element should be displayed instead of the element name whenever the element is used in a diagram. This method changes the value of the General::Graphics::ShowLabels property.

Parameters:

isShowDisplayName - use 1 if you want the label of the element displayed, use 0 if you want the name of the element displayed

setMainDiagram

```
void setMainDiagram(IRPDiagram mainDiagram)
```

Specifies the "main" diagram for the element. This operation is valid only for packages, classes, actors, use cases, objects, and interfaces.

Parameters:

mainDiagram - the diagram to use as the "main" diagram for the element

setName

```
void setName(java.lang.String name)
```

Sets the specified string as the name of the element.

Parameters:

name - the string to use as the name of the element

setOfTemplate

```
void setOfTemplate(IRPModelElement ofTemplate)
```

Makes the current model element a template instantiation of the specified template.

Parameters:

ofTemplate - the template to use for the instantiation

setOwner

```
void setOwner(IRPModelElement owner)
```

Specifies the model element that should be the owner of this element.

Parameters:

owner - the model element that should be the owner of this element

setPropertyValue

```
void setPropertyValue(java.lang.String propertyKey,  
                      java.lang.String propertyValue)
```

Sets the value of a property for the model element.

Parameters:

propertyKey - the property whose value should be set. The syntax to use for this parameter is Subject.Metaclass.Property, for example, CG.Class.ActiveThreadName.

propertyValue - the new value to use for the property. For boolean properties, use "True" or "False".

setRequirementTraceabilityHandle

```
void setRequirementTraceabilityHandle(int requirementTraceabilityHandle)
```

Sets a new ID to be used to reference this requirement

Parameters:

requirementTraceabilityHandle - the new ID that should be used to reference this requirement

setStereotype

```
void setStereotype(IRPStereotype stereotype)
```

Applies the specified stereotype to the element.

Parameters:

`stereotype` - the stereotype to be applied to the element

setTagContextValue

```
IRPTag setTagContextValue(IRPTag tag,
                          IRPCollection elements,
                          IRPCollection multiplicities)
```

Applies the specified tag to the model element, and sets the value of the tag to a specific instance of another model element.

Parameters:

`tag` - the tag to apply to the model element

`elements` - collection of model elements representing the full path to the element. This collection is used to set the value of the tag to the full path of the target element. The collection must consist of objects of type `IRPModelElement`.

`multiplicities` - collection of the relevant indices for each of the model elements in the first collection (the "elements" parameter). This makes it possible to point to a specific instance of the target model element when multiplicity is greater than one. The collection must consist of integers provided as strings.

Returns:

the tag created for the model element

setTagElementValue

```
IRPTag setTagElementValue(IRPTag tag,
                           IRPModelElement val)
```

Applies a tag whose type is a model element to the current element with the value specified. If the tag has already been applied to the current element, the method can be used to modify the value of the tag.

Parameters:

`tag` - the tag to apply to the element

`val` - the value to use for the tag applied

Returns:

the tag created for the model element

setTagValue

```
IRPTag setTagValue(IRPTag tag,
                   java.lang.String val)
```

Applies the specified tag to the model element with the value specified. If the tag has already been applied to the model element, the method can be used to modify the value of the tag.

Parameters:

`tag` - the tag to apply to the element
`val` - the value to use for the tag applied

Returns:

the tag created for the model element

setTi

```
void setTi(IRPTemplateInstantiation ti)
```

For internal use only.

synchronizeTemplateInstantiation

```
void synchronizeTemplateInstantiation()
```

After changes are made to a template, this method can be called on each instantiation of the template in order to update the instantiation to match the changes that were made to the template.

unlockOnDesignManager

```
@Deprecated  
void unlockOnDesignManager()
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

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com.telelogic.rhapsody.core Class IRPModelElement.OSLCLink

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPModelElement.OSLCLink

Enclosing interface:

[IRPModelElement](#)

```
public static final class IRPModelElement.OSLCLink
extends java.lang.Object
```

Constant values used with elements of this type

Nested Class Summary

static class

[IRPModelElement.OSLCLink.Types](#)

This class contains values that specify OSLC Types

Constructor Summary

[IRPModelElement.OSLCLink\(\)](#)

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

IRPModelElement.OSLCLink

```
public IRPModelElement.OSLCLink()
```

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com.telelogic.rhapsody.core Class IRPModelElement.OSLCLink.Types

java.lang.Object

└ com.telelogic.rhapsody.core.IRPModelElement.OSLCLink.Types

Enclosing class:

[IRPModelElement.OSLCLink](#)

```
public static final class IRPModelElement.OSLCLink.Types
extends java.lang.Object
```

This class contains values that specify OSLC Types

Field Summary	
static java.lang.String	DERIVES OSLC link type: Derives
static java.lang.String	ELABORATES OSLC link type: Elaborates
static java.lang.String	EXTERNAL OSLC link type: External
static java.lang.String	REFINE OSLC link type: Refine
static java.lang.String	SATISFY OSLC Link Type: Satisfy
static java.lang.String	TRACE OSLC Link Type: Trace
static java.lang.String	VALIDATEDBY OSLC link type: Validated By

Constructor Summary

[IRPModelElement.OSLCLink.Types](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

EXTERNAL

public static final java.lang.String **EXTERNAL**

OSLC link type: External

See Also:

[Constant Field Values](#)

REFINE

public static final java.lang.String **REFINE**

OSLC link type: Refine

See Also:

[Constant Field Values](#)

DERIVES

public static final java.lang.String **DERIVES**

OSLC link type: Derives

See Also:

[Constant Field Values](#)

SATISFY

public static final java.lang.String **SATISFY**

OSLC Link Type: Satisfy

See Also:

[Constant Field Values](#)

TRACE

public static final java.lang.String **TRACE**

OSLC Link Type: Trace

See Also:

[Constant Field Values](#)

ELABORATES

public static final java.lang.String **ELABORATES**

OSLC link type: Elaborates

See Also:

[Constant Field Values](#)

VALIDATEDBY

public static final java.lang.String **VALIDATEDBY**

OSLC link type: Validated By

See Also:

[Constant Field Values](#)

Constructor Detail

IRPModelElement.OSLCLink.Types

public **IRPModelElement.OSLCLink.Types** ()

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com.telelogic.rhapsody.core Interface IRPModule

All Superinterfaces:

[IRPInstance](#), [IRPModelElement](#), [IRPRelation](#), [IRPUnit](#)

```
public interface IRPModule
extends IRPInstance
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInstance](#)

[addRelationToTheWhole](#), [getAllNestedElements](#), [getAttributeValue](#), [getInLinks](#), [getInstantiatedBy](#), [getListOfInitializerArguments](#), [getOutLinks](#), [setAttributeValue](#), [setExplicit](#), [setImplicit](#), [setInitializerArgumentValue](#), [setInstantiatedBy](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPRelation](#)

[addQualifier](#), [getAssociationClass](#), [getInverse](#), [getIsNavigable](#), [getIsSymmetric](#), [getMultiplicity](#), [getObjectAsObjectType](#), [getOfClass](#), [getOtherClass](#), [getQualifier](#), [getQualifiers](#), [getQualifierType](#), [getRelationLabel](#), [getRelationLinkName](#), [getRelationRoleName](#), [getRelationType](#), [getVisibility](#), [isTypelessObject](#), [makeUnidirect](#), [removeQualifier](#), [setInverse](#), [setIsNavigable](#), [setMultiplicity](#), [setOfClass](#), [setOtherClass](#), [setQualifier](#), [setQualifierType](#), [setRelationLabel](#), [setRelationLinkName](#), [setRelationRoleName](#), [setRelationType](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPNode

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPNode
extends IRPClassifier
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPComponentInstance	addComponentInstance (java.lang.String name) method addComponentInstance
void	deleteComponentInstance (java.lang.String name) method deleteComponentInstance
IRPComponentInstance	findComponentInstance (java.lang.String name) method findComponentInstance
IRPCollection	getComponentInstances () get property componentInstances
java.lang.String	getCPUtype () get property CPUtype
void	setCPUtype (java.lang.String cPUtype) set property CPUtype

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addComponentInstance**

[IRPComponentInstance](#) **addComponentInstance**(java.lang.String name)

method addComponentInstance

Throws:

[RhapsodyRuntimeException](#)

deleteComponentInstance

void **deleteComponentInstance**(java.lang.String name)

method deleteComponentInstance

Throws:

[RhapsodyRuntimeException](#)

findComponentInstance

[IRPComponentInstance](#) **findComponentInstance**(java.lang.String name)

method findComponentInstance

Throws:

[RhapsodyRuntimeException](#)

getCPUtype

java.lang.String **getCPUtype**()

get property CPUtype

Throws:

[RhapsodyRuntimeException](#)

getComponentInstances

[IRPCollection](#) **getComponentInstances**()

get property componentInstances

Throws:

[RhapsodyRuntimeException](#)

setCPUtype

void **setCPUtype**(java.lang.String cPUtype)

set property CPUtype

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPObjectModelDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPObjectModelDiagram
extends IRPDiagram
```

The IRPObjectModelDiagram interface represents object model diagrams in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPObjectNode

All Superinterfaces:

[IRPModelElement](#), [IRPState](#), [IRPStateVertex](#)

```
public interface IRPObjectNode
extends IRPState
```

The IRPObjectNode interface represents Object Node elements in activity diagrams.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addInState (IRPModelElement val) Adds the specified state to the list of "In State" states for the object node.
java.lang.String	getInState () Deprecated. Use getInStateList() instead.
IRPCollection	getInStateList () Returns a collection of the "In State" states for the object node.
IRPModelElement	getRepresents () Returns the class/type that this object node represents.
void	removeInState (IRPModelElement val) Removes the specified state from the list of "In State" states for the object node.
void	setInState (java.lang.String inState) Deprecated. Use addInState instead.
void	setRepresents (IRPModelElement represents) Specifies the class/type that this object node should represent.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPState](#)

[addActivityFinal](#), [addConnector](#), [addInternalTransition](#), [addState](#), [addStaticReaction](#), [addTerminationState](#), [createDefaultTransition](#), [createNestedStatechart](#), [deleteConnector](#), [deleteInternalTransition](#), [deleteStaticReaction](#), [getDefaultTransition](#), [getEntryAction](#), [getExitAction](#), [getFullNameInStatechart](#), [getInheritsFrom](#), [getInternalTransitions](#), [getIsOverridden](#), [getIsReferenceActivity](#), [getItsStatechart](#), [getItsSwimlane](#), [getLogicalStates](#), [getNestedStatechart](#), [getReferenceToActivity](#), [getSendAction](#), [getStateType](#), [getStaticReactions](#), [getSubStates](#), [getSubStateVertices](#), [getTheEntryAction](#), [getTheExitAction](#), [isAnd](#), [isCompound](#), [isLeaf](#), [isRoot](#), [isSendActionState](#), [overrideInheritance](#), [resetEntryActionInheritance](#), [resetExitActionInheritance](#), [setEntryAction](#), [setExitAction](#), [setInternalTransition](#), [setItsSwimlane](#), [setReferenceToActivity](#), [setStateType](#), [setStaticReaction](#), [unoverrideInheritance](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addInState

void **addInState**([IRPModelElement](#) val)

Adds the specified state to the list of "In State" states for the object node.

Parameters:

val - the state to add to the list of "In State" states.

getInState

java.lang.String **getInState**()

Deprecated. Use *getInStateList()* instead.

getInStateList

[IRPCollection](#) **getInStateList**()

Returns a collection of the "In State" states for the object node.

Returns:

the "In State" states defined for the object node

getRepresents

[IRPModelElement](#) **getRepresents**()

Returns the class/type that this object node represents.

Returns:

the class/type that this object node represents

removeInState

void **removeInState**([IRPModelElement](#) val)

Removes the specified state from the list of "In State" states for the object node.

Parameters:

val - the state to remove from the list

setInState

void **setInState**(java.lang.String inState)

Deprecated. Use *addInState* instead.

setRepresents

void **setRepresents** ([IRPModelElement](#) represents)

Specifies the class/type that this object node should represent.

Parameters:

represents - the class/type that this object node should represent

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com.telelogic.rhapsody.core Interface IRPOperation

All Superinterfaces:

[IRPClassifier](#), [IRPInterfaceItem](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPOperation
extends IRPInterfaceItem
```

The IRPOperation interface represents operations of classes in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	createAutoFlowChart () Creates a flowchart for the operation.
void	deleteArgument (IRPArgument argument) Deletes a specific argument from the operation.
void	deleteFlowchart () Deletes the flowchart or activity defined for the operation.
java.lang.String	getBody () Returns the body of the operation.
IRPFlowchart	getFlowchart () Returns the flowchart or activity defined for the operation.
java.lang.String	getImplementationSignature () Returns the signature of the operation as it will appear in the generated code.
java.lang.String	getInitializer () For constructors, gets the initializer code that was defined for the operation.
int	getIsAbstract () Checks whether the operation was defined as abstract.
int	

Method Summary	
	getIsCgDerived() Checks whether the operation is an operation that is automatically generated by Rhapsody.
int	getIsConst() For operations in C++ classes, checks whether the operation was defined as a constant member function.
int	getIsCtor() Checks whether the operation is a constructor.
int	getIsDtor() Checks whether the operation is a destructor.
int	getIsFinal() For operations in Java classes, checks whether the operation was defined as final.
int	getIsInline() Checks whether the code for the operation will be generated inline.
int	getIsStatic() Checks whether the operation was defined as static.
int	getIsTrigger() Checks whether the operation was defined as a triggered operation.
int	getIsVirtual() For operations in C++ or C# classes, checks whether the operation was defined as virtual.
IRPClassifier	getReturns() Gets the return type of the operation.
java.lang.String	getReturnTypeDeclaration() If an on-the-fly type is used as the return type of an operation, this method returns the declaration for the type.
java.lang.String	getVisibility() Gets the visibility specified for the operation.
void	setBody (java.lang.String body) Sets the body of an operation.
void	setFlowchart (IRPFlowchart flowchart) Specifies a flowchart or activity for the operation.
void	setInitializer (java.lang.String initializer) For constructors, used to specify code for the initializer of the operation.
void	setIsAbstract (int isAbstract) Specifies whether an operation should be defined as abstract.
void	setIsConst (int isConst) For operations in C++ classes, used to specify whether an operation should be defined as a constant member function.

Method Summary

void	setIsFinal (int isFinal) For operations in Java classes, used to specify whether an operation should be defined as final.
void	setIsStatic (int isStatic) Specifies whether an operation should be defined as static.
void	setIsVirtual (int isVirtual) For operations in C++ or C# classes, used to specify whether an operation should be defined as virtual.
void	setReturns (IRPClassifier returns) Specifies the return type of the operation.
void	setReturnTypeDeclaration (java.lang.String newVal) Creates an on-the-fly type to use as the return type of the operation, using the declaration that you provide as a parameter.
void	setVisibility (java.lang.String visibility) Sets the visibility of the operation.
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the operation.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

[addArgument](#), [addArgumentBeforePosition](#), [getArguments](#), [getSignature](#), [getSignatureNoArgNames](#), [getSignatureNoArgTypes](#), [matchOnSignature](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**createAutoFlowChart**

```
void createAutoFlowChart ()
```

Creates a flowchart for the operation.

deleteArgument

```
void deleteArgument (IRPArgument argument)
```

Deletes a specific argument from the operation.

Parameters:

argument - The argument that should be deleted

deleteFlowchart

```
void deleteFlowchart ()
```

Deletes the flowchart or activity defined for the operation.

getBody

```
java.lang.String getBody ()
```

Returns the body of the operation.

Returns:
the body of the operation

getFlowchart

```
IRPFlowchart getFlowchart ()
```

Returns the flowchart or activity defined for the operation.

Returns:
the flowchart or activity defined for the operation

getImplementationSignature

```
java.lang.String getImplementationSignature ()
```

Returns the signature of the operation as it will appear in the generated code.

Returns:
the signature of the operation as it will appear in the generated code

getInitializer

```
java.lang.String getInitializer ()
```

For constructors, gets the initializer code that was defined for the operation.

Returns:
the initializer code that was defined for the operation

getIsAbstract

```
int getIsAbstract ()
```

Checks whether the operation was defined as abstract.

Returns:
1 if the operation was defined as abstract, 0 otherwise

getIsCgDerived

int **getIsCgDerived**()

Checks whether the operation is an operation that is automatically generated by Rhapsody.

Returns:

1 if the operation is automatically generated by Rhapsody, 0 otherwise

getIsConst

int **getIsConst**()

For operations in C++ classes, checks whether the operation was defined as a constant member function.

Returns:

1 if the operation was defined as a constant member function, 0 otherwise

getIsCtor

int **getIsCtor**()

Checks whether the operation is a constructor.

Returns:

1 if the operation is a constructor, 0 otherwise

getIsDtor

int **getIsDtor**()

Checks whether the operation is a destructor.

Returns:

1 if the operation is a destructor, 0 otherwise

getIsFinal

int **getIsFinal**()

For operations in Java classes, checks whether the operation was defined as final.

Returns:

1 if the operation was defined as final, 0 otherwise

getIsInline

```
int getIsInline()
```

Checks whether the code for the operation will be generated inline.

Returns:

1 if the code for the operation will be generated inline, 0 otherwise

getIsStatic

```
int getIsStatic()
```

Checks whether the operation was defined as static.

Returns:

1 if the operation was defined as static, 0 otherwise

getIsTrigger

```
int getIsTrigger()
```

Checks whether the operation was defined as a triggered operation.

Returns:

1 if the operation is a triggered operation, 0 otherwise

getIsVirtual

```
int getIsVirtual()
```

For operations in C++ or C# classes, checks whether the operation was defined as virtual.

Returns:

1 if the operation was defined as virtual, 0 otherwise

getReturnTypeDeclaration

```
java.lang.String getReturnTypeDeclaration()
```

If an on-the-fly type is used as the return type of an operation, this method returns the declaration for the type.

Returns:

the declaration for the return type

getReturns

```
IRPClassifier getReturns()
```

Gets the return type of the operation.

Returns:

the return type of the operation

getVisibility

```
java.lang.String getVisibility()
```

Gets the visibility specified for the operation.

Returns:

the visibility specified for the operation

setBody

```
void setBody(java.lang.String body)
```

Sets the body of an operation.

Parameters:

`body` - The code to use for the body of the operation. Use \n to represent the line breaks, for example, `takePicture.setBody("openShutter();\n\ncloseShutter();");`

setFlowchart

```
void setFlowchart(IRPFlowchart flowchart)
```

Specifies a flowchart or activity for the operation.

Parameters:

`flowchart` - the flowchart or activity to use for the operation

setInitializer

```
void setInitializer(java.lang.String initializer)
```

For constructors, used to specify code for the initializer of the operation.

Parameters:

`initializer` - The code to use for the initializer of the operation

setIsAbstract

```
void setIsAbstract(int isAbstract)
```

Specifies whether an operation should be defined as abstract.

Parameters:

`isAbstract` - Use 1 to specify that the operation should be defined as abstract. Use 0 to specify that the operation should not be defined as abstract.

setIsConst

```
void setIsConst(int isConst)
```

For operations in C++ classes, used to specify whether an operation should be defined as a constant member function.

Parameters:

`isConst` - Use 1 to specify that the operation should be defined as a constant member function. Use 0 to specify that the operation should not be defined as a constant member function.

setIsFinal

```
void setIsFinal(int isFinal)
```

For operations in Java classes, used to specify whether an operation should be defined as final.

Parameters:

`isFinal` - Use 1 to specify that the operation should be defined as final. Use 0 to specify that the operation should not be defined as final.

setIsStatic

```
void setIsStatic(int isStatic)
```

Specifies whether an operation should be defined as static.

Parameters:

`isStatic` - Use 1 to specify that the operation should be defined as static. Use 0 to specify that the operation should not be defined as static.

setIsVirtual

```
void setIsVirtual(int isVirtual)
```

For operations in C++ or C# classes, used to specify whether an operation should be defined as virtual.

Parameters:

`isVirtual` - Use 1 to specify that the operation should be defined as virtual. Use 0 to specify that the operation should not be defined as virtual.

setReturnTypeDeclaration

```
void setReturnTypeDeclaration(java.lang.String newVal)
```

Creates an on-the-fly type to use as the return type of the operation, using the declaration that you provide as a parameter.

Parameters:

`newVal` - The declaration to use for the on-the-fly type that is to be created to use as the return type of the operation

setReturns

```
void setReturns(IRPCClassifier returns)
```

Specifies the return type of the operation.

Parameters:

`returns` - the return type to use for the operation

setVisibility

```
void setVisibility(java.lang.String visibility)
```

Sets the visibility of the operation.

Parameters:

`visibility` - the visibility to use for the operation. Can take one of the following values: Public, Protected, Private. For Java models, the parameter can also take the value Default.

Throws:

[RhapsodyRuntimeException](#)

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the operation.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPowListListener

```
public interface IRPowListListener
```

Method Summary

void	dblClickNotify (int nRow, int nCol, java.lang.String sContent) method DblClickNotify
java.lang.String	getInterfaceName () get property interfaceName
void	setObjID (java.lang.String bstrObjID) method SetObjID

Method Detail

dblClickNotify

```
void dblClickNotify(int nRow,
                    int nCol,
                    java.lang.String sContent)
```

method DblClickNotify

Throws:

[RhapsodyRuntimeException](#)

setObjID

```
void setObjID(java.lang.String bstrObjID)
```

method SetObjID

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

[Package](#) [Class](#) [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

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SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.telelogic.rhapsody.core Interface IRPowPaneMgr

public interface **IRPowPaneMgr**

Method Summary

void	addTabNotify (int nType, int nSubType, java.lang.String sObjID, java.lang.String sTitle) method AddTabNotify
void	closeTabNotify (java.lang.String sObjID) method CloseTabNotify
java.lang.String	getInterfaceName () get property interfaceName
IRPowListListener	getOWListListener (java.lang.String sObjID) get list listener
IRPowTextListener	getOWTextListener (java.lang.String sObjID) get text listener

Method Detail

addTabNotify

```
void addTabNotify(int nType,
                 int nSubType,
                 java.lang.String sObjID,
                 java.lang.String sTitle)
```

method AddTabNotify

Throws:

[RhapsodyRuntimeException](#)

closeTabNotify

void **closeTabNotify**(java.lang.String sObjID)

method CloseTabNotify

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getOWListListener

[IRPowListListener](#) **getOWListListener**(java.lang.String sObjID)

get list listener

Throws:

[RhapsodyRuntimeException](#)

getOWTextListener

[IRPowTextListener](#) **getOWTextListener**(java.lang.String sObjID)

get text listener

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPowTextListener

```
public interface IRPowTextListener
```

Method Summary

void	dblClickNotify (int nLine, java.lang.String szLine) method DblClickNotify
java.lang.String	getInterfaceName () get property interfaceName
void	setObjID (java.lang.String bstrObjID) method SetObjID

Method Detail

dblClickNotify

```
void dblClickNotify(int nLine,  
                    java.lang.String szLine)
```

method DblClickNotify

Throws:

[RhapsodyRuntimeException](#)

setObjID

```
void setObjID(java.lang.String bstrObjID)
```

method SetObjID

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

[Package](#) [Class](#) [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

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SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.telelogic.rhapsody.core Interface IRPPackage

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPProfile](#), [IRPProject](#)

```
public interface IRPPackage
extends IRPUnit
```

The IRPPackage interface represents packages in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPFlowchart	addActivityDiagram () Adds a new activity diagram to the package.
IRPActor	addActor (java.lang.String name) Adds a new actor to the package.
IRPClass	addClass (java.lang.String name) Adds a new class to the package.
IRPCollaborationDiagram	addCollaborationDiagram (java.lang.String name) Adds a new collaboration diagram to the package.
IRPComponentDiagram	addComponentDiagram (java.lang.String name) Adds a new component diagram to the package.
IRPDeploymentDiagram	addDeploymentDiagram (java.lang.String name) Adds a new deployment diagram to the package.
IRPEvent	addEvent (java.lang.String name) Adds a new event to the package.

Method Summary	
IRPFlowItem	addFlowItems (java.lang.String name) Adds an item flow to the package.
IRPFlow	addFlows (java.lang.String name) Adds a flow to the package.
IRPOperation	addGlobalFunction (java.lang.String name) Adds a global function to the package.
IRPRelation	addGlobalObject (java.lang.String name, java.lang.String otherClassName, java.lang.String otherClassPackageName) Adds an Object to the package.
IRPAttribute	addGlobalVariable (java.lang.String name) Adds a global variable to the package.
IRPRelation	addImplicitObject (java.lang.String name) Adds an implicit object to the package.
IRPInstanceSpecification	addInstanceSpecification (java.lang.String name, IRPClassifier classifier) Adds a new instance specification.
IRPLink	addLink (IRPInstance fromPart, IRPInstance toPart, IRPRelation assoc, IRPPort fromPort, IRPPort toPort) Creates a link between two objects in the package.
IRPLink	addLinkBetweenSYSMLPorts (IRPInstance fromPart, IRPInstance toPart, IRPRelation assoc, IRPSysMLPort fromPort, IRPSysMLPort toPort) Creates a link between two objects.
IRPModule	addModule (java.lang.String name) Adds a new File element to the package.
IRPPackage	addNestedPackage (java.lang.String name) Adds a nested package to the package.
IRPNode	addNode (java.lang.String name) Adds a Node element to the package.
IRPObjectModelDiagram	addObjectModelDiagram (java.lang.String name) Adds a new object model diagram to the package.
IRPPanelDiagram	addPanelDiagram (java.lang.String name) Adds a new panel diagram to the package.
IRPSequenceDiagram	addSequenceDiagram (java.lang.String name) Adds a new sequence diagram to the package.
IRPStatechart	addStatechart () Adds a new statechart to the package.
IRPTimingDiagram	addTimingDiagram (java.lang.String name) Adds a new timing diagram to the package.

Method Summary	
IRPType	addType (java.lang.String name) Adds a new type to the package.
IRPUseCase	addUseCase (java.lang.String name) Adds a new use case to the package.
IRPUseCaseDiagram	addUseCaseDiagram (java.lang.String name) Adds a new use case diagram to the package.
void	deleteActor (IRPActor actor) Deletes the specified actor.
void	deleteClass (IRPClass theClass) Deletes the specified class.
void	deleteCollaborationDiagram (java.lang.String name) Deletes the collaboration diagram with the specified name.
void	deleteComponentDiagram (java.lang.String name) Deletes the component diagram with the specified name.
void	deleteDeploymentDiagram (java.lang.String name) Deletes the deployment diagram with the specified name.
void	deleteEvent (IRPEvent event) Deletes the specified event.
void	deleteFlowItems (IRPFlowItem pItem) Deletes the specified item flow.
void	deleteFlows (IRPFlow pFlow) Deletes the specified flow.
void	deleteGlobalFunction (IRPOperation operation) Deletes the specified global function.
void	deleteGlobalObject (IRPRelation relation) Deletes the specified object.
void	deleteGlobalVariable (IRPAttribute attribute) Deletes the specified global variable.
void	deleteNode (java.lang.String name) Deletes the Node element with the specified name.
void	deleteObjectModelDiagram (java.lang.String name) Deletes the object model diagram with the specified name.
void	deletePackage () Deletes the package.
void	deletePanelDiagram (java.lang.String name) Deletes the panel diagram with the specified name.
void	deleteSequenceDiagram (java.lang.String name) Deletes the sequence diagram with the specified name.

Method Summary	
void	deleteTimingDiagram (java.lang.String name) Deletes the timing diagram with the specified name.
void	deleteType (IRPType type) Deletes the specified type.
void	deleteUseCase (IRPUseCase useCase) Deletes the specified use case.
void	deleteUseCaseDiagram (java.lang.String name) Deletes the use case diagram with the specified name.
IRPActor	findActor (java.lang.String name) Returns the actor with the specified name.
IRPModelElement	findAllByName (java.lang.String name, java.lang.String metaClass) Searches the package for a model element of the specified type with the specified name.
IRPClass	findClass (java.lang.String name) Returns the class with the specified name.
IRPEvent	findEvent (java.lang.String name) Returns the event with the specified name.
IRPOperation	findGlobalFunction (java.lang.String name) Returns the global function with the specified name.
IRPRelation	findGlobalObject (java.lang.String name) Returns the Object with the specified name.
IRPAttribute	findGlobalVariable (java.lang.String name) Returns the global variable with the specified name.
IRPNode	findNode (java.lang.String name) Returns the Node element with the specified name.
IRPType	findType (java.lang.String name) Returns the type with the specified name.
IRPCollection	findUsage (IRPModelElement objToFind) Returns a collection of the elements in the current package that are related to the specified model element.
IRPUseCase	findUseCase (java.lang.String name) Returns the use case with the specified name.
IRPCollection	getActors () Returns a collection of all the actors in the package.
IRPCollection	getAllNestedElements () Returns a collection of all the model elements that are directly under the current package, including functions, global variables, and global objects.
IRPCollection	getBehavioralDiagrams () Returns a collection of all the activity diagrams in the package.

Method Summary	
IRPCollection	getClasses () Returns a collection of all the classes in the package.
IRPCollection	getCollaborationDiagrams () Returns a collection of all the collaboration diagrams in the package.
IRPCollection	getComponentDiagrams () Returns a collection of all the component diagrams in the package.
IRPCollection	getDeploymentDiagrams () Returns a collection of all the deployment diagrams in the package.
IRPCollection	getEvents () Returns a collection of all the events in the package.
int	getEventsBaseId () Returns the start number used for assigning IDs to events in the package.
IRPCollection	getFlowItems () Returns a collection of all the item flows in the package.
IRPCollection	getFlows () Returns a collection of all the flows in the package.
IRPCollection	getGlobalFunctions () Returns a collection of all the global functions in the package.
IRPCollection	getGlobalObjects () Returns a collection of all the Objects in the package.
IRPCollection	getGlobalVariables () Returns a collection of all the global variables in the package.
IRPCollection	getInstanceSpecifications () Returns a collection of all the instance specifications in the package.
IRPCollection	getLinks () Returns a collection of all the Links in the package.
IRPCollection	getModules () Returns a collection of all the File elements in the package.
java.lang.String	getNamespace () getNamespace
IRPCollection	getNestedClassifiers () Returns a collection of all the classifiers in the package.
IRPCollection	getNestedComponents () Returns a collection of all the Components in the package.
IRPCollection	getNodes () Returns a collection of all the Node elements in the package.
IRPCollection	getObjectModelDiagrams () Returns a collection of all the object model diagrams in the package.

Method Summary	
IRPCollection	getPackages () Returns a collection of all the nested packages in the package.
IRPCollection	getPanelDiagrams () Returns a collection of all the panel diagrams in the package.
java.lang.String	getRemoteRequirementsPopulateMode () Returns the mode that was selected for loading remote requirements in the collection.
IRPCollection	getRootInstanceSpecifications () Returns a collection of all the root instance specifications in the package.
int	getSavedInSeperateDirectory () Checks whether the package is configured to be saved in a separate directory.
IRPCollection	getSequenceDiagrams () Returns a collection of all the sequence diagrams in the package.
IRPCollection	getSourceArtifacts () Gets the source artifacts for the package.
IRPCollection	getTimingDiagrams () Returns a collection of all the timing diagrams in the package.
IRPCollection	getTypes () Returns a collection of all the types in the package.
IRPCollection	getUseCaseDiagrams () Returns a collection of all the use case diagrams in the package.
IRPCollection	getUseCases () Returns a collection of all the use cases in the package.
IRPCollection	getUserDefinedStereotypes () Returns a collection of all the user-defined stereotypes in the package.
void	loginToRemoteArtifactServer () For remote artifact packages, logs in to the server that contains the artifacts in the package.
void	populateRemoteRequirements () For Design Manager projects, populates the package with the remote requirements that model elements do not yet have dependencies upon.
int	reCalculateEventsBaseId () If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package.
void	setRemoteRequirementsPopulateMode (java.lang.String populateMode) For collections of remote requirements, you can use setRemoteRequirementsPopulateMode to specify which requirements in the collection should be loaded when you open the model - all the requirements, only the requirements that have OSLC links to model elements, or none of the

Method Summary

	requirements.
void	setSavedInSeperateDirectory (int savedInSeperateDirectory) Specifies whether the package should be saved in a separate directory.
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the package.
int	updateContainedMatricesOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the matrices contained in the package.
int	updateContainedTablesOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the tables contained in the package.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAResource](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addActivityDiagram

[IRPFlowchart](#) `addActivityDiagram()`

Adds a new activity diagram to the package.

Returns:

the activity diagram that was created

addActor

[IRPActor](#) `addActor(java.lang.String name)`

Adds a new actor to the package.

Parameters:

name - the name to use for the new actor

Returns:

the actor that was created

addClass

[IRPClass](#) `addClass(java.lang.String name)`

Adds a new class to the package.

Parameters:

name - the name to use for the new class

Returns:

the class that was created

addCollaborationDiagram

[IRPCollaborationDiagram](#) `addCollaborationDiagram(java.lang.String name)`

Adds a new collaboration diagram to the package.

Parameters:

name - the name to use for the new collaboration diagram

Returns:

the collaboration diagram that was created

addComponentDiagram

[IRPComponentDiagram](#) **addComponentDiagram**(java.lang.String name)

Adds a new component diagram to the package.

Parameters:

name - the name to use for the new component diagram

Returns:

the component diagram that was created

addDeploymentDiagram

[IRPDeploymentDiagram](#) **addDeploymentDiagram**(java.lang.String name)

Adds a new deployment diagram to the package.

Parameters:

name - the name to use for the new deployment diagram

Returns:

the deployment diagram that was created

addEvent

[IRPEvent](#) **addEvent**(java.lang.String name)

Adds a new event to the package.

Parameters:

name - the name to use for the new event

Returns:

the event that was created

addFlowItems

[IRPFlowItem](#) **addFlowItems**(java.lang.String name)

Adds an item flow to the package.

Parameters:

name - the name to use for the new item flow

Returns:

the item flow created

addFlows

[IRPFlow](#) **addFlows**(java.lang.String name)

Adds a flow to the package.

Parameters:

name - the name to use for the new flow

Returns:

the flow created

addGlobalFunction

[IRPOperation](#) `addGlobalFunction`(java.lang.String name)

Adds a global function to the package.

Parameters:

name - the name to use for the new function

Returns:

the function created

addGlobalObject

[IRPRelation](#) `addGlobalObject`(java.lang.String name,
java.lang.String otherClassName,
java.lang.String otherClassPackageName)

Adds an Object to the package. This method is for adding instances of existing classes. To add an implicit object, use the method `addImplicitObject`.

Parameters:

name - the name to use for the new object

otherClassName - the name of the class that the new object should be an instance of

otherClassPackageName - the name of the package that contains the class. You must specify this argument even if you are adding the object to the package that contains the class you are instantiating

Returns:

the object that was created

addGlobalVariable

[IRPAttribute](#) `addGlobalVariable`(java.lang.String name)

Adds a global variable to the package.

Parameters:

name - the name to use for the variable

Returns:

the variable created

addImplicitObject

[IRPRelation](#) `addImplicitObject`(java.lang.String name)

Adds an implicit object to the package. This is relevant only for C and C++ models.

Parameters:

name - the name to use for the new object

Returns:

the object that was created

addInstanceSpecification

```
IRPInstanceSpecification addInstanceSpecification (java.lang.String name,
                                                IRPClassifier classifier)
```

Adds a new instance specification.

Parameters:

name - the name to use for the new instance specification

classifier - the classifier that the instance specification should instantiate

Returns:

the instance specification that was created

Throws:

[RhapsodyRuntimeException](#)

addLink

```
IRPLink addLink (IRPInstance fromPart,
                 IRPInstance toPart,
                 IRPRelation assoc,
                 IRPPort fromPort,
                 IRPPort toPort)
```

Creates a link between two objects in the package. In addition to specifying the two objects, you must specify the association that the link should represent, or, alternatively, the two ports that should be used for the link. If you provide the two ports as arguments, you should use Null for the association argument. Similarly, if you specify an association, you should use Null for the two port arguments. Note that if you are not specifying the two ports, you must provide an association as an argument even if there is only one relevant association.

Parameters:

fromPart - the "from" object for the link

toPart - the "to" object for the link

assoc - the association that the link should represent

fromPort - the "from" port for the link

toPort - the "to" port for the link

Returns:

the link created

addLinkBetweenSYSMLPorts

```
IRPLink addLinkBetweenSYSMLPorts (IRPInstance fromPart,
                                   IRPInstance toPart,
                                   IRPRelation assoc,
                                   IRPSysMLPort fromPort,
                                   IRPSysMLPort toPort)
```

Creates a link between two objects. In addition to specifying the two objects, you must specify the association that the link should represent, or, alternatively, the two flow ports that should be used for the link. If you provide the two flow ports as arguments, you should use Null for the association argument. Similarly, if you specify an association, you should use Null for the two flow port arguments. Note that if you are not specifying the two flow ports, you must provide an association as an argument even if there is only one relevant association.

Parameters:

`fromPart` - the "from" object for the link
`toPart` - the "to" object for the link
`assoc` - the association that the link should represent
`fromPort` - the "from" flow port for the link
`toPort` - the "to" flow port for the link

Returns:

the link created

Throws:

[RhapsodyRuntimeException](#)

addModule

[IRPModule](#) `addModule`(java.lang.String name)

Adds a new File element to the package.

Parameters:

`name` - the name to use for the new File

Returns:

the File element that was created

addNestedPackage

[IRPPackage](#) `addNestedPackage`(java.lang.String name)

Adds a nested package to the package.

Parameters:

`name` - the name to use for the new package

Returns:

the package created

addNode

[IRPNode](#) `addNode`(java.lang.String name)

Adds a Node element to the package.

Parameters:

`name` - the name to use for the new Node element

Returns:

the Node element created

addObjectModelDiagram

[IRPObjectModelDiagram](#) `addObjectModelDiagram(java.lang.String name)`

Adds a new object model diagram to the package.

Parameters:

name - the name to use for the new object model diagram

Returns:

the object model diagram that was created

addPanelDiagram

[IRPPanelDiagram](#) `addPanelDiagram(java.lang.String name)`

Adds a new panel diagram to the package.

Parameters:

name - the name to use for the new panel diagram

Returns:

the panel diagram that was created

addSequenceDiagram

[IRPSequenceDiagram](#) `addSequenceDiagram(java.lang.String name)`

Adds a new sequence diagram to the package.

Parameters:

name - the name to use for the new sequence diagram

Returns:

the sequence diagram that was created

addStatechart

[IRPStatechart](#) `addStatechart()`

Adds a new statechart to the package.

Returns:

the statechart that was created

addTimingDiagram

[IRPTimingDiagram](#) `addTimingDiagram(java.lang.String name)`

Adds a new timing diagram to the package.

Parameters:

name - the name to use for the new timing diagram

Returns:

the timing diagram that was created

addType

[IRPType](#) **addType**(java.lang.String name)

Adds a new type to the package.

Parameters:

name - the name to use for the new type

Returns:

the type that was created

addUseCase

[IRPUseCase](#) **addUseCase**(java.lang.String name)

Adds a new use case to the package.

Parameters:

name - the name to use for the new use case

Returns:

the use case that was created

addUseCaseDiagram

[IRPUseCaseDiagram](#) **addUseCaseDiagram**(java.lang.String name)

Adds a new use case diagram to the package.

Parameters:

name - the name to use for the new use case diagram

Returns:

the use case diagram that was created

deleteActor

void **deleteActor**([IRPActor](#) actor)

Deletes the specified actor.

Parameters:

actor - that actor that should be deleted

deleteClass

void **deleteClass**([IRPClass](#) theClass)

Deletes the specified class.

addTimingDiagram

Parameters:

`theClass` - the class that should be deleted

deleteCollaborationDiagram

`void deleteCollaborationDiagram(java.lang.String name)`

Deletes the collaboration diagram with the specified name.

Parameters:

`name` - the name of the collaboration diagram to delete

deleteComponentDiagram

`void deleteComponentDiagram(java.lang.String name)`

Deletes the component diagram with the specified name.

Parameters:

`name` - the name of the component diagram to delete

deleteDeploymentDiagram

`void deleteDeploymentDiagram(java.lang.String name)`

Deletes the deployment diagram with the specified name.

Parameters:

`name` - the name of the deployment diagram to delete

deleteEvent

`void deleteEvent(IRPEvent event)`

Deletes the specified event.

Parameters:

`event` - the event that should be deleted

deleteFlowItems

`void deleteFlowItems(IRPFlowItem pItem)`

Deletes the specified item flow.

Parameters:

`pItem` - the item flow that should be deleted

deleteFlows

```
void deleteFlows(IRPFlow pFlow)
```

Deletes the specified flow.

Parameters:

pFlow - the flow that should be deleted

deleteGlobalFunction

```
void deleteGlobalFunction(IRPOperation operation)
```

Deletes the specified global function.

Parameters:

operation - the global function that should be deleted

deleteGlobalObject

```
void deleteGlobalObject(IRPRelation relation)
```

Deletes the specified object.

Parameters:

relation - the object that should be deleted

deleteGlobalVariable

```
void deleteGlobalVariable(IRPAttribute attribute)
```

Deletes the specified global variable.

Parameters:

attribute - the global variable that should be deleted

deleteNode

```
void deleteNode(java.lang.String name)
```

Deletes the Node element with the specified name.

Parameters:

name - the name of the node to delete

deleteObjectModelDiagram

```
void deleteObjectModelDiagram(java.lang.String name)
```

Deletes the object model diagram with the specified name.

Parameters:

name - the name of the object model diagram to delete

deletePackage

```
void deletePackage()
```

Deletes the package.

deletePanelDiagram

```
void deletePanelDiagram(java.lang.String name)
```

Deletes the panel diagram with the specified name.

Parameters:

name - the name of the panel diagram to delete

deleteSequenceDiagram

```
void deleteSequenceDiagram(java.lang.String name)
```

Deletes the sequence diagram with the specified name.

Parameters:

name - the name of the sequence diagram to delete

deleteTimingDiagram

```
void deleteTimingDiagram(java.lang.String name)
```

Deletes the timing diagram with the specified name.

Parameters:

name - the name of the timing diagram to delete

deleteType

```
void deleteType(IRPType type)
```

Deletes the specified type.

Parameters:

type - the type that should be deleted

deleteUseCase

```
void deleteUseCase(IRPUseCase useCase)
```

Deletes the specified use case.

Parameters:

useCase - the use case that should be deleted

deleteUseCaseDiagram

```
void deleteUseCaseDiagram(java.lang.String name)
```

Deletes the use case diagram with the specified name.

Parameters:

name - the name of the use case diagram to delete

findActor

```
IRPActor findActor(java.lang.String name)
```

Returns the actor with the specified name.

Parameters:

name - the name of the actor to return

Returns:

the actor with the name specified

findAllByName

```
IRPModelElement findAllByName(java.lang.String name,  
                                java.lang.String metaClass)
```

Searches the package for a model element of the specified type with the specified name. Note that the search is carried out recursively if the package contains nested packages. In cases where there are multiple elements that meet the search criteria, the first such element encountered will be returned.

Parameters:

name - the name of the element to find

metaClass - the metaclass of the element to find

Returns:

the first element found that satisfies the search criteria

findClass

```
IRPClass findClass(java.lang.String name)
```

Returns the class with the specified name.

Parameters:

name - the name of the class to return

Returns:

the class with the specified name

findEvent

[IRPEvent](#) **findEvent**(java.lang.String name)

Returns the event with the specified name.

Parameters:

name - the name of the event to return

Returns:

the event with the specified name

findGlobalFunction

[IRPOperation](#) **findGlobalFunction**(java.lang.String name)

Returns the global function with the specified name.

Parameters:

name - the name of the function to return

Returns:

the global function with the specified name

findGlobalObject

[IRPRelation](#) **findGlobalObject**(java.lang.String name)

Returns the Object with the specified name.

Parameters:

name - the name of the Object to return

Returns:

the Object with the specified name

findGlobalVariable

[IRPAttribute](#) **findGlobalVariable**(java.lang.String name)

Returns the global variable with the specified name.

Parameters:

name - the name of the variable to return

Returns:

the global variable with the specified name

findNode

[IRPNode](#) **findNode**(java.lang.String name)

Returns the Node element with the specified name.

Parameters:

name - the name of the node to return

Returns:

the Node element with the specified name

findType

[IRPType](#) **findType**(java.lang.String name)

Returns the type with the specified name.

Parameters:

name - the name of the type to return

Returns:

the type with the specified name

findUsage

[IRPCollection](#) **findUsage**([IRPModelElement](#) objToFind)

Returns a collection of the elements in the current package that are related to the specified model element. Note that the type of relations searched for depends upon the type of the element specified. For a more comprehensive list of references to the element, use the method [IRPModelElement.getReferences\(\)](#). (Keep in mind that [getReferences\(\)](#) searches the entire model, not just the current package.)

Parameters:

objToFind - the element whose references you want to find

Returns:

the elements in the current package that are related to the specified model element

findUseCase

[IRPUseCase](#) **findUseCase**(java.lang.String name)

Returns the use case with the specified name.

Parameters:

name - the name of the use case to return

Returns:

the use case with the specified name

getActors

[IRPCollection](#) `getActors()`

Returns a collection of all the actors in the package.

Returns:

all the actors in the package

getAllNestedElements

[IRPCollection](#) `getAllNestedElements()`

Returns a collection of all the model elements that are directly under the current package, including functions, global variables, and global objects.

Returns:

collection of all the model elements that are directly under the current package, including functions, global variables, and global objects

getBehavioralDiagrams

[IRPCollection](#) `getBehavioralDiagrams()`

Returns a collection of all the activity diagrams in the package. Note that this includes only the activity diagrams directly under the package, not diagrams belonging to classes in the package.

Returns:

all the activity diagrams directly under the package

getClasses

[IRPCollection](#) `getClasses()`

Returns a collection of all the classes in the package.

Returns:

all the classes in the package

getCollaborationDiagrams

[IRPCollection](#) `getCollaborationDiagrams()`

Returns a collection of all the collaboration diagrams in the package.

Returns:

all the collaboration diagrams in the package

getComponentDiagrams

[IRPCollection](#) `getComponentDiagrams ()`

Returns a collection of all the component diagrams in the package.

Returns:

all the component diagrams in the package

getDeploymentDiagrams

[IRPCollection](#) `getDeploymentDiagrams ()`

Returns a collection of all the deployment diagrams in the package.

Returns:

all the deployment diagrams in the package

getEvents

[IRPCollection](#) `getEvents ()`

Returns a collection of all the events in the package.

Returns:

all the events in the package

getEventsBaseId

`int getEventsBaseId ()`

Returns the start number used for assigning IDs to events in the package. This value is controlled by the property EventsBaseID.

Returns:

the start number used for assigning IDs to events in the package

getFlowItems

[IRPCollection](#) `getFlowItems ()`

Returns a collection of all the item flows in the package.

Returns:

all the item flows in the package

getFlows

[IRPCollection](#) `getFlows ()`

Returns a collection of all the flows in the package.

Returns:

all the flows in the package

getGlobalFunctions

[IRPCollection](#) `getGlobalFunctions()`

Returns a collection of all the global functions in the package.

Returns:

all the global functions in the package

getGlobalObjects

[IRPCollection](#) `getGlobalObjects()`

Returns a collection of all the Objects in the package.

Returns:

all the Objects in the package

getGlobalVariables

[IRPCollection](#) `getGlobalVariables()`

Returns a collection of all the global variables in the package.

Returns:

all the global variables in the package

getInstanceSpecifications

[IRPCollection](#) `getInstanceSpecifications()`

Returns a collection of all the instance specifications in the package.

Returns:

all the instance specifications in the package

getLinks

[IRPCollection](#) `getLinks()`

Returns a collection of all the Links in the package.

Returns:

all the Links in the package

getModules

[IRPCollection](#) `getModules()`

Returns a collection of all the File elements in the package.

Returns:

all the File elements in the package

getNamespace

java.lang.String `getNamespace()`

getNamespace

Throws:

[RhapsodyRuntimeException](#)

getNestedClassifiers

[IRPCollection](#) `getNestedClassifiers()`

Returns a collection of all the classifiers in the package.

Returns:

all the classifiers in the package

getNestedComponents

[IRPCollection](#) `getNestedComponents()`

Returns a collection of all the Components in the package.

Returns:

all the Components in the package

getNodes

[IRPCollection](#) `getNodes()`

Returns a collection of all the Node elements in the package.

Returns:

all the Node elements in the package

getObjectModelDiagrams

[IRPCollection](#) `getObjectModelDiagrams()`

Returns a collection of all the object model diagrams in the package.

Returns:

all the object model diagrams in the package

getPackages

[IRPCollection](#) `getPackages()`

Returns a collection of all the nested packages in the package.

Returns:

all the nested packages in the package

getPanelDiagrams

[IRPCollection](#) `getPanelDiagrams()`

Returns a collection of all the panel diagrams in the package.

Returns:

all the panel diagrams in the package

getRemoteRequirementsPopulateMode

`java.lang.String` `getRemoteRequirementsPopulateMode()`

Returns the mode that was selected for loading remote requirements in the collection.

Returns:

the mode that was selected for loading remote requirements in the collection - will be one of the following values: "All", "Linked", "None"

Throws:

[RhapsodyRuntimeException](#)

getRootInstanceSpecifications

[IRPCollection](#) `getRootInstanceSpecifications()`

Returns a collection of all the root instance specifications in the package. A root instance specification is any instance specification that is not a nested instance specification.

Returns:

collection of all the root instance specifications in the package

Throws:

[RhapsodyRuntimeException](#)

getSavedInSeperateDirectory

`int` `getSavedInSeperateDirectory()`

Checks whether the package is configured to be saved in a separate directory.

Returns:

1 if the package is configured to be saved in a separate directory, 0 otherwise

getSequenceDiagrams

[IRPCollection](#) getSequenceDiagrams ()

Returns a collection of all the sequence diagrams in the package.

Returns:

all the sequence diagrams in the package

getSourceArtifacts

[IRPCollection](#) getSourceArtifacts ()

Gets the source artifacts for the package.

Returns:

the source artifacts for the package, as a collection of IRPFile objects

getTimingDiagrams

[IRPCollection](#) getTimingDiagrams ()

Returns a collection of all the timing diagrams in the package.

Returns:

all the timing diagrams in the package

getTypes

[IRPCollection](#) getTypes ()

Returns a collection of all the types in the package.

Returns:

all the types in the package

getUseCaseDiagrams

[IRPCollection](#) getUseCaseDiagrams ()

Returns a collection of all the use case diagrams in the package.

Returns:

all the use case diagrams in the package

getUseCases

[IRPCollection](#) `getUseCases()`

Returns a collection of all the use cases in the package.

Returns:

all the use cases in the package

getUserDefinedStereotypes

[IRPCollection](#) `getUserDefinedStereotypes()`

Returns a collection of all the user-defined stereotypes in the package.

Returns:

all the user-defined stereotypes in the package

loginToRemoteArtifactServer

`void loginToRemoteArtifactServer()`

For remote artifact packages, logs in to the server that contains the artifacts in the package. The behavior is the same as that of the Login to Server... option in the popup menu for remote artifact packages: If you have logged-in to the server during the current Rhapsody session, the saved credentials are used to log in. If you have not logged-in to the server during the current session, the standard login window is displayed. Links to ETM test cases and EWM work items are created on the relevant remote server and therefore require a login before new links can be created. In such cases, you can call the method `loginToRemoteArtifactServer` before calling the method `IRPModelElement.createOSLCLink`. If the login method was not called, Rhapsody will open the login window as part of the link creation process.

populateRemoteRequirements

`void populateRemoteRequirements()`

For Design Manager projects, populates the package with the remote requirements that model elements do not yet have dependencies upon. This method corresponds to the "populate with all existing requirements" option that the UI provides for "Remote Resource" packages. Once these requirements have been added to the package, you can add dependencies to these requirements by using the "link to remote requirement" option.

reCalculateEventsBaseId

`int reCalculateEventsBaseId()`

If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package. As a result, there are situations where the IDs used for events in a given

package may not be continuous. In cases like this, you can use the method `reCalculateEventsBaseId` to have the event ID numbering recalculated so that event IDs are continuous for all events in the package.

Returns:

the new start number for event IDs in the package

setRemoteRequirementsPopulateMode

```
void setRemoteRequirementsPopulateMode (java.lang.String populateMode)
```

For collections of remote requirements, you can use `setRemoteRequirementsPopulateMode` to specify which requirements in the collection should be loaded when you open the model - all the requirements, only the requirements that have OSLC links to model elements, or none of the requirements.

Parameters:

`populateMode` - can be one of the following values: "All", "Linked", "None"

Throws:

[RhapsodyRuntimeException](#)

setSavedInSeperateDirectory

```
void setSavedInSeperateDirectory (int savedInSeperateDirectory)
```

Specifies whether the package should be saved in a separate directory.

Parameters:

`savedInSeperateDirectory` - Use 1 to specify that the package should be saved in a separate directory. Use 0 to specify that the package should not be saved in a separate directory.

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer (int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the package.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

updateContainedMatricesOnServer

```
int updateContainedMatricesOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the matrices contained in the package.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the matrix were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the matrix were made since the last update.

Returns:

the number of views that were updated on the server. If no matrices require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

updateContainedTablesOnServer

```
int updateContainedTablesOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the tables contained in the package.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the table were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the table were made since the last update.

Returns:

the number of views that were updated on the server. If no tables require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPPanelDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPPanelDiagram
extends IRPDiagram
```

The IRPPanelDiagram interface represents panel diagrams in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPPin

All Superinterfaces:

[IRPConnector](#), [IRPModelElement](#), [IRPStateVertex](#)

```
public interface IRPPin
extends IRPConnector
```

The IRPPin interface represents action pins added to actions, or activity parameters added to action blocks, in an activity diagram. To add an action pin to an action, use IRPState.addConnector, for example:

```
action1.addConnector("InPin"), action1.addConnector("OutPin"), OR
action1.addConnector("InOutPin").
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

int	getIsParameter () Checks whether the element is an activity parameter or an action pin.
java.lang.String	getPinDirection () Returns the direction of the pin/parameter: In, Out, or InOut.
IRPClassifier	getPinType () Returns the type of the value held by the pin/parameter.
void	setIsParameter (int isParameter) Specifies whether the element should be an activity parameter or an action pin.
void	setPinDirection (java.lang.String pinDirection) Specifies the direction of the pin/parameter.
void	setPinType (IRPClassifier pinType) Specifies the type to use for the value held by the pin/parameter.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPConnector](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPConnector](#)

[createDefaultTransition](#), [getConnectorType](#), [getDerivedInEdges](#), [getDerivedOutEdge](#), [getItsSwimlane](#), [getOfState](#), [isConditionConnector](#), [isDiagramConnector](#), [isForkConnector](#), [isHistoryConnector](#), [isJoinConnector](#), [isJunctionConnector](#), [isStubConnector](#), [isTerminationConnector](#), [setItsSwimlane](#), [setOfState](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getIsParameter**

```
int getIsParameter()
```

Checks whether the element is an activity parameter or an action pin.

Returns:

1 if the element is an activity parameter, 0 if the element is an action pin.

getPinDirection

```
java.lang.String getPinDirection()
```

Returns the direction of the pin/parameter: In, Out, or InOut.

Returns:

the direction of the pin/parameter

getPinType

```
IRPClassifier getPinType()
```

Returns the type of the value held by the pin/parameter.

Returns:

the type of the value held by the pin/parameter

setIsParameter

```
void setIsParameter(int isParameter)
```

Specifies whether the element should be an activity parameter or an action pin.

Parameters:

`isParameter` - use 1 if you want the element to be an activity parameter, use 0 if you want the element to be an action pin

setPinDirection

```
void setPinDirection(java.lang.String pinDirection)
```

Specifies the direction of the pin/parameter.

Parameters:

`pinDirection` - the direction that should be used for the pin/parameter. The valid strings for this parameter are: In, Out, and InOut

setPinType

```
void setPinType(IRPClassifier pinType)
```

Specifies the type to use for the value held by the pin/parameter.

Parameters:

`pinType` - the type to use for the value held by the pin/parameter

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com.telelogic.rhapsody.core Interface IRPPlugInWindow

public interface **IRPPlugInWindow**

Method Summary

void	destroyWindow () Destroy window
int	getDocking () Get docking mode
java.lang.String	getInterfaceName () get property interfaceName
java.lang.String	getPosString () Get position string
long	getWindowHandle () Get window handle
void	setDocking (int nDockPos) Set docking mode.
void	setPosString (java.lang.String sPos) Set position string
void	setTitle (java.lang.String sTitle) Set window title
void	showWindow (int nShow) Show or hide window

Method Detail

destroyWindow

void **destroyWindow**()

Destroy window

Throws:

[RhapsodyRuntimeException](#)

getDocking

int **getDocking**()

Get docking mode

Throws:

[RhapsodyRuntimeException](#)

getPosString

java.lang.String **getPosString**()

Get position string

Throws:

[RhapsodyRuntimeException](#)

getWindowHandle

long **getWindowHandle**()

Get window handle

Throws:

[RhapsodyRuntimeException](#)

setDocking

void **setDocking**(int nDockPos)

Set docking mode. 0=floating, 1=top, 2=left, 3=right, 4=bottom

Throws:

[RhapsodyRuntimeException](#)

setPosString

void **setPosString**(java.lang.String sPos)

Set position string

Throws:

[RhapsodyRuntimeException](#)

setTitle

void **setTitle**(java.lang.String sTitle)

Set window title

Throws:

[RhapsodyRuntimeException](#)

showWindow

void **showWindow**(int nShow)

Show or hide window

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPPort

All Superinterfaces:

[IRPInstance](#), [IRPModelElement](#), [IRPRelation](#), [IRPUnit](#)

```
public interface IRPPort
extends IRPInstance
```

The IRPPort interface represents ports in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addProvidedInterface (IRPClass newVal) method addRProvidedInterface
void	addRequiredInterface (IRPClass newVal) method addRequiredInterface
IRPClass	getContract () This function exists for backward compatability.
int	getIsBehavioral () get property isBehavioral
int	getIsReversed () get property isReversed
IRPClass	getPortContract () Returns the contract defined for the port.
IRPCollection	getProvidedInterfaces () get property providedInterfaces
IRPCollection	getRequiredInterfaces () get property requiredInterfaces
void	

Method Summary

	removeProvidedInterface (IRPClass newVal) method removeProvidedInterface
void	removeRequiredInterface (IRPClass newVal) method removeRequiredInterface
void	setContract (IRPClass contract) This function exists for backward compatability.
void	setIsBehavioral (int isBehavioral) set property isBehavioral
void	setIsReversed (int isReversed) set property isReversed
void	setPortContract (IRPClass portContract) Used to specify the contract for the port.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInstance](#)

[addRelationToTheWhole](#), [getAllNestedElements](#), [getAttributeValue](#), [getInLinks](#), [getInstantiatedBy](#), [getListOfInitializerArguments](#), [getOutLinks](#), [setAttributeValue](#), [setExplicit](#), [setImplicit](#), [setInitializerArgumentValue](#), [setInstantiatedBy](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPRelation](#)

[addQualifier](#), [getAssociationClass](#), [getInverse](#), [getIsNavigable](#), [getIsSymmetric](#), [getMultiplicity](#), [getObjectAsObjectType](#), [getOfClass](#), [getOtherClass](#), [getQualifier](#), [getQualifiers](#), [getQualifierType](#), [getRelationLabel](#), [getRelationLinkName](#), [getRelationRoleName](#), [getRelationType](#), [getVisibility](#), [isTypelessObject](#), [makeUnidirect](#), [removeQualifier](#), [setInverse](#), [setIsNavigable](#), [setMultiplicity](#), [setOfClass](#), [setOtherClass](#), [setQualifier](#), [setQualifierType](#), [setRelationLabel](#), [setRelationLinkName](#), [setRelationRoleName](#), [setRelationType](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addProvidedInterface**

```
void addProvidedInterface(IRPClass newVal)
```

method addRProvidedInterface

Throws:

[RhapsodyRuntimeException](#)

addRequiredInterface

```
void addRequiredInterface(IRPClass newVal)
```

method addRequiredInterface

Throws:

[RhapsodyRuntimeException](#)

getIsBehavioral

```
int getIsBehavioral()
```

get property isBehavioral

Throws:

[RhapsodyRuntimeException](#)

getIsReversed

int **getIsReversed**()

get property isReversed

Throws:

[RhapsodyRuntimeException](#)

getPortContract

[IRPClass](#) **getPortContract**()

Returns the contract defined for the port.

Returns:

the contract defined for the port

Throws:

[RhapsodyRuntimeException](#)

getProvidedInterfaces

[IRPCollection](#) **getProvidedInterfaces**()

get property providedInterfaces

Throws:

[RhapsodyRuntimeException](#)

getRequiredInterfaces

[IRPCollection](#) **getRequiredInterfaces**()

get property requiredInterfaces

Throws:

[RhapsodyRuntimeException](#)

removeProvidedInterface

void **removeProvidedInterface**([IRPClass](#) newVal)

method removeProvidedInterface

Throws:

[RhapsodyRuntimeException](#)

removeRequiredInterface

void **removeRequiredInterface**([IRPClass](#) newVal)

method `removeRequiredInterface`

Throws:

[RhapsodyRuntimeException](#)

setIsBehavioral

void **setIsBehavioral**(int isBehavioral)

set property isBehavioral

Throws:

[RhapsodyRuntimeException](#)

setIsReversed

void **setIsReversed**(int isReversed)

set property isReversed

Throws:

[RhapsodyRuntimeException](#)

setPortContract

void **setPortContract**([IRPClass](#) portContract)

Used to specify the contract for the port.

Parameters:

`portContract` - the contract to use for the port

getContract

[IRPClass](#) **getContract**()

This function exists for backward compatability. Use `getPortContract` instead

setContract

void **setContract**([IRPClass](#) contract)

This function exists for backward compatability. Use `setPortContract` instead

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com.telelogic.rhapsody.core Interface IRPProfile

All Superinterfaces:

[IRPModelElement](#), [IRPPackage](#), [IRPUnit](#)

```
public interface IRPProfile
extends IRPPackage
```

The IRPProfile interface represents profiles in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPPackage](#)

[addActivityDiagram](#), [addActor](#), [addClass](#), [addCollaborationDiagram](#), [addComponentDiagram](#), [addDeploymentDiagram](#), [addEvent](#), [addFlowItems](#), [addFlows](#), [addGlobalFunction](#), [addGlobalObject](#), [addGlobalVariable](#), [addImplicitObject](#), [addInstanceSpecification](#), [addLink](#), [addLinkBetweenSYSMLPorts](#), [addModule](#), [addNestedPackage](#), [addNode](#), [addObjectModelDiagram](#), [addPanelDiagram](#), [addSequenceDiagram](#), [addStatechart](#), [addTimingDiagram](#), [addType](#), [addUseCase](#), [addUseCaseDiagram](#), [deleteActor](#), [deleteClass](#), [deleteCollaborationDiagram](#), [deleteComponentDiagram](#), [deleteDeploymentDiagram](#), [deleteEvent](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGlobalFunction](#), [deleteGlobalObject](#), [deleteGlobalVariable](#), [deleteNode](#), [deleteObjectModelDiagram](#), [deletePackage](#), [deletePanelDiagram](#), [deleteSequenceDiagram](#), [deleteTimingDiagram](#), [deleteType](#), [deleteUseCase](#), [deleteUseCaseDiagram](#), [findActor](#), [findAllByName](#), [findClass](#), [findEvent](#), [findGlobalFunction](#), [findGlobalObject](#), [findGlobalVariable](#), [findNode](#), [findType](#), [findUsage](#), [findUseCase](#), [getActors](#), [getAllNestedElements](#), [getBehavioralDiagrams](#), [getClasses](#), [getCollaborationDiagrams](#), [getComponentDiagrams](#), [getDeploymentDiagrams](#), [getEvents](#), [getEventsBaseId](#), [getFlowItems](#), [getFlows](#), [getGlobalFunctions](#), [getGlobalObjects](#), [getGlobalVariables](#), [getInstanceSpecifications](#), [getLinks](#), [getModules](#), [getNamespace](#), [getNestedClassifiers](#), [getNestedComponents](#), [getNodes](#), [getObjectModelDiagrams](#), [getPackages](#), [getPanelDiagrams](#), [getRemoteRequirementsPopulateMode](#), [getRootInstanceSpecifications](#), [getSavedInSeperateDirectory](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getTimingDiagrams](#), [getTypes](#), [getUseCaseDiagrams](#), [getUseCases](#), [getUserDefinedStereotypes](#), [loginToRemoteArtifactServer](#), [populateRemoteRequirements](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPPackage](#)

[reCalculateEventsBaseId](#), [setRemoteRequirementsPopulateMode](#),
[setSavedInSeperateDirectory](#), [updateContainedDiagramsOnServer](#),
[updateContainedMatricesOnServer](#), [updateContainedTablesOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#),
[getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#),
[getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#),
[isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#),
[referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#),
[setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#),
[addNewAqgr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#),
[addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#),
[deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#),
[findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#),
[getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#),
[getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),
[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
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[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPPProgressBar

```
public interface IRPPProgressBar
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
void	reset () method reset
void	tick (int amount) method tick

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

reset

```
void reset ()
```

method reset

Throws:

[RhapsodyRuntimeException](#)

tick

void **tick**(int amount)

method tick

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPPProject

All Superinterfaces:

[IRPModelElement](#), [IRPPackage](#), [IRPUnit](#)

```
public interface IRPPProject
extends IRPPackage
```

The IRPPProject interface represents Rhapsody projects.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPComponent	addComponent (java.lang.String name) Adds a new Component to the project.
void	addCustomViewOnBrowser (IRPPackage customView) Applies the specified custom view to the model browser.
void	addCustomViewOnDiagram (IRPDiagram diagram, IRPPackage customView) Applies the specified custom view to the specified diagram.
IRPPackage	addPackage (java.lang.String name) Adds a new package to the project.
IRPPProfile	addProfile (java.lang.String name) Adds a new profile to the project.
void	addSpellCheckerResult (java.lang.String value) For internal use only.
void	allowAutoSave (int allow) Can be used to temporarily disable autosaving of the model regardless of the current value of the property General::Model::AutoSaveInterval.
void	allowNonUniqueNames (int allow) For internal use only.

Method Summary	
void	applyBrowserCustomViewsOnDiagrams (int newVal) Applies the custom views applied to the browser to all diagrams as well.
void	applyRoundtripDiffMerge (int magicNumber, IRPPProject shadowModel, IRPCollection filesToUpdate) For internal use only.
void	becomeActiveProject () Makes this project the active project in Rhapsody.
void	checkEventsBaseIdsSolveCollisions () Checks the values of the event base IDs for all packages in the model, detects collisions between the IDs, and resolves any incorrect values and collisions.
void	cleanUnresolvedElements (IRPModelElement rootElement) Removes any unresolved elements from the model, starting at the level of the specified element and working downward.
void	close () Closes the project.
void	closeCSVFile (java.lang.String fullCSVFileName) Closes the tab in the Output window for the specified csv file.
void	deleteComponent (IRPComponent component) Deletes the specified Component.
void	enableRhapsodyModelManager () Enables the project for Rhapsody Model Manager.
void	endTransactionOfNoCGInterest () For internal use only.
IRPComponent	findComponent (java.lang.String name) Returns the Component with the specified name.
IRPModelElement	findElementByBinaryID (byte[] theID) Retrieves a model element based on its binary ID.
IRPModelElement	findElementByFileName (java.lang.String theFolderName, java.lang.String theFileName) Returns the top-level element in the specified Rhapsody unit file.
IRPModelElement	findElementByGUID (java.lang.String theGUID) Retrieves a model element based on its GUID.
IRPCollection	findElementsWithOSLCLink (java.lang.String type, java.lang.String purl) Returns a collection of all the model elements that have an OSLC link of the specified type to the specified target element.
void	gatewayExportToXML (java.lang.String filename, java.lang.String params) For internal use only.
void	gatewayExportToXML2 (java.lang.String filename, java.lang.String params, IRPPProject proj) For internal use only.

Method Summary	
void	generateReport (java.lang.String modelscope, java.lang.String templatename, java.lang.String docType, java.lang.String filename, int showDocument, int silentMode) Generates a ReporterPLUS report for the model.
IRPComponent	getActiveComponent () Returns the active component.
IRPConfiguration	getActiveConfiguration () Returns the active configuration.
IRPCollection	getActiveCustomViewsOnBrowser () Returns a collection of the custom views currently applied to the browser.
IRPCollection	getActiveCustomViewsOnDiagram (IRPDiagram diagram) Returns a collection of the custom views currently applied to the specified diagram.
IRPCollection	getAllStereotypes () Returns a collection of all the stereotypes in the project.
IRPPackage	getCgSimplifiedModelPackage () Returns the package that contains the simplified model.
IRPCollection	getCodeGeneratedFiles () Returns a collection of filenames for the code files that will be generated for the current active component if you select the "regenerate" option.
IRPCollection	getComponents () Returns a collection of all the components in the project.
java.lang.String	getDefaultDirectoryScheme () Returns the project's default directory scheme with regard to packages.
IRPCollaboration	getNewCollaboration () Creates a new IRPCollaboration object that can be used to create a sequence diagram.
IRPProgressBar	getNewProgressBar (int amount, java.lang.String name) method getNewProgressBar
int	getNotifyPluginOnElementsChanged () Checks whether plugins will be notified when model elements are modified.
IRPCollection	getProfiles () Returns a collection of all the profiles in the project.
IRPCollection	getRemoteResourcePackages () For Model Manager and Design Manager projects, returns the packages of remote resources (the "Remote Resource Packages").
IRPCollection	getRequirementsByID (java.lang.String requirementID, int returnFirstFoundOnly) Returns all of the requirements that have the specified ID.
IRPProject	getRoundtripShadowModel (int magicNumber)

Method Summary	
	For internal use only.
IRPModelElement	highlightFromCode (java.lang.String filename, int lineNumber) Highlights in the Rhapsody browser the model element associated with the specified line of code.
void	importPackageFromRose (java.lang.String projectName, java.lang.String packageName, java.lang.String logFileName) Imports the specified Rose package.
void	importProjectFromRose (java.lang.String projectName, java.lang.String logFileName) Imports the specified Rose project.
int	isActivelyManaged () Checks whether the project is an actively-managed Design Manager project.
int	isModifiedRecursive () Checks whether any part of the project has been modified and the project needs to be saved.
void	locateInIDE (IRPConfiguration config, java.lang.String filename, int lineNumber) For projects that use Rhapsody's integration with Eclipse or Visual Studio, you can use the locateInIDE method to have the IDE highlight a specific line in a specific source file.
void	migrateDesignManagerLinks () For projects that contain imported Design Manager links, this method recreates the links as Rhapsody Model Manager links.
void	moveToDesignManager (java.lang.String userName, java.lang.String password, java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	moveToDesignManagerAfterLogin (java.lang.String serverURL, java.lang.String projectAreaName, java.lang.String streamName) Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.
void	openCSVFile (java.lang.String fullCSVFileName, int reserved) Displays the content of the specified csv file in a new tab in the Output window.
void	recalculateEventsBaseIds () If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package.
void	reloadCSVFile (java.lang.String fullCSVFileName) Reloads the content of the specified csv file in a tab in the Output window.
int	remove () Removes the project from the Rhapsody workspace.
void	

Method Summary	
	<u>removeCustomViewOnBrowser</u> (<u>IRPPackage</u> customView) Removes the specified custom view from the model browser.
void	<u>removeCustomViewOnDiagram</u> (<u>IRPDiagram</u> diagram, <u>IRPPackage</u> customView) Removes the specified custom view from the specified diagram.
void	<u>save</u> () Saves the project.
void	<u>saveAs</u> (java.lang.String filename) Saves the project using the specified path.
void	<u>saveAsPrevVersion</u> (java.lang.String filename, java.lang.String prevVersion) Saves the project, using the format of a previous version of Rhapsody.
void	<u>setActiveComponent</u> (<u>IRPComponent</u> activeComponent) Sets the specified component as the active component for the project.
void	<u>setActiveComponent</u> (java.lang.String name) Sets the specified component as the active component for the project.
void	<u>setActiveConfiguration</u> (<u>IRPConfiguration</u> activeConfiguration) Sets the specified configuration to be the active configuration of the project.
void	<u>setActiveConfiguration</u> (java.lang.String name) Sets the specified configuration to be the active configuration of the project.
void	<u>setDefaultDirectoryScheme</u> (java.lang.String defaultDirectoryScheme) Set's the project's default directory scheme with regard to packages.
int	<u>setGlobalConfiguration</u> (java.lang.String GCUri, java.lang.String name) Specifies the global configuration that should be used for the project.
void	<u>setNotifyPluginOnElementsChanged</u> (int val) For plugins that use the callback API, you must call the method setNotifyPluginOnElementsChanged if you want the plugin to be notified when model elements are modified.
void	<u>setObjectExplicit</u> (<u>IRPInstance</u> pInstance) Changes the specified object to an explicit object.
void	<u>setObjectImplicit</u> (<u>IRPInstance</u> pInstance) Changes the specified object to an implicit object.
void	<u>setUseUniqueStereotypeAndRefCache</u> (int useUniqueStereotypeAndRefCache) This method can be used to specify that all of the stereotypes in the model should be cached to allow quicker retrieval.
void	<u>setWaitDialogWatchdogValue</u> (java.lang.String value) The method setWaitDialogWatchdogValue provides a mechanism that allows an external process to inform Rhapsody that the process has ended or crashed.
void	<u>startTransactionOfNoCGInterest</u> () For internal use only.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPPackage](#)

[addActivityDiagram](#), [addActor](#), [addClass](#), [addCollaborationDiagram](#), [addComponentDiagram](#), [addDeploymentDiagram](#), [addEvent](#), [addFlowItems](#), [addFlows](#), [addGlobalFunction](#), [addGlobalObject](#), [addGlobalVariable](#), [addImplicitObject](#), [addInstanceSpecification](#), [addLink](#), [addLinkBetweenSYSMLPorts](#), [addModule](#), [addNestedPackage](#), [addNode](#), [addObjectModelDiagram](#), [addPanelDiagram](#), [addSequenceDiagram](#), [addStatechart](#), [addTimingDiagram](#), [addType](#), [addUseCase](#), [addUseCaseDiagram](#), [deleteActor](#), [deleteClass](#), [deleteCollaborationDiagram](#), [deleteComponentDiagram](#), [deleteDeploymentDiagram](#), [deleteEvent](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGlobalFunction](#), [deleteGlobalObject](#), [deleteGlobalVariable](#), [deleteNode](#), [deleteObjectModelDiagram](#), [deletePackage](#), [deletePanelDiagram](#), [deleteSequenceDiagram](#), [deleteTimingDiagram](#), [deleteType](#), [deleteUseCase](#), [deleteUseCaseDiagram](#), [findActor](#), [findAllByName](#), [findClass](#), [findEvent](#), [findGlobalFunction](#), [findGlobalObject](#), [findGlobalVariable](#), [findNode](#), [findType](#), [findUsage](#), [findUseCase](#), [getActors](#), [getAllNestedElements](#), [getBehavioralDiagrams](#), [getClasses](#), [getCollaborationDiagrams](#), [getComponentDiagrams](#), [getDeploymentDiagrams](#), [getEvents](#), [getEventsBaseId](#), [getFlowItems](#), [getFlows](#), [getGlobalFunctions](#), [getGlobalObjects](#), [getGlobalVariables](#), [getInstanceSpecifications](#), [getLinks](#), [getModules](#), [getNamespace](#), [getNestedClassifiers](#), [getNestedComponents](#), [getNodes](#), [getObjectModelDiagrams](#), [getPackages](#), [getPanelDiagrams](#), [getRemoteRequirementsPopulateMode](#), [getRootInstanceSpecifications](#), [getSavedInSeparateDirectory](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getTimingDiagrams](#), [getTypes](#), [getUseCaseDiagrams](#), [getUseCases](#), [getUserDefinedStereotypes](#), [loginToRemoteArtifactServer](#), [populateRemoteRequirements](#), [reCalculateEventsBaseId](#), [setRemoteRequirementsPopulateMode](#), [setSavedInSeparateDirectory](#), [updateContainedDiagramsOnServer](#), [updateContainedMatricesOnServer](#), [updateContainedTablesOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAResource](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**gatewayExportToXML**

```
void gatewayExportToXML (java.lang.String filename,
                        java.lang.String params)
```

For internal use only.

gatewayExportToXML2

```
void gatewayExportToXML2 (java.lang.String filename,
                          java.lang.String params,
                          IRPPProject proj)
```

For internal use only.

generateReport

```
void generateReport (java.lang.String modelscope,
                    java.lang.String templatename,
                    java.lang.String docType,
                    java.lang.String filename,
                    int showDocument,
                    int silentMode)
```

Generates a ReporterPLUS report for the model. (When this method is used to generate a report, the Rhapsody model is saved before the report is generated.)

// Sample code:

```
IRPPProject currentProject = app.activeProject();
currentProject.generateReport("", "C:\Rhapsody\reporterplus\Templates\Class.tpl", "html
```

Parameters:

`modelscope` - the name of the package for which the report should be generated. If empty, a report is generated for the entire model. (This is similar to the "scope" command-line option for ReporterPLUS.)

`templatename` - the name of the template to use. If empty, then the ReporterPLUS report generation wizard will be launched and it will display the name of the last template used.
`docType` - the type of output to generate (doc, html, ppt, txt). If empty, the ReporterPLUS report generation wizard will be launched and it will display the last output type used.
`filename` - the filename to use for the generated report. If empty, the ReporterPLUS report generation wizard will be displayed and it will display the filename of the last generated report.

`showDocument` - In general, the user will be asked if they want to view the report after generation only if they have requested this by selecting View > Options > Ask to open after generating report from the main menu in ReporterPLUS. However, if the user has specified silent generation mode using the parameter `silentMode`, this parameter can be used to request that the generated document be displayed. To display the report, set this parameter to 1, otherwise use 0.

`silentMode` - If the template name, document type, or output file name has not been specified using the appropriate parameter, the ReporterPLUS report generation wizard is displayed so the user can provide the missing information. This is the behavior if this parameter is set to 0. If you want to prevent the wizard from being launched in such cases, you can specify silent generation mode by setting this parameter to 1. If set to silent mode, no report will be generated if one or more of the above parameters was not provided. (The report generation status dialog is displayed regardless of the value of this parameter.)

addComponent

[IRPComponent](#) `addComponent` ([java.lang.String](#) name)

Adds a new Component to the project.

Parameters:

name - the name to use for the new Component

Returns:

the Component that was created

addCustomViewOnBrowser

void `addCustomViewOnBrowser` ([IRPPackage](#) customView)

Applies the specified custom view to the model browser.

Parameters:

customView - the custom view that should be applied to the browser

Throws:

[RhapsodyRuntimeException](#)

addCustomViewOnDiagram

void `addCustomViewOnDiagram` ([IRPDiagram](#) diagram,
[IRPPackage](#) customView)

Applies the specified custom view to the specified diagram.

Parameters:

diagram - the diagram to which the custom view should be applied
customView - the custom view that should be applied to the diagram

Throws:

[RhapsodyRuntimeException](#)

addPackage

[IRPPackage](#) **addPackage**(java.lang.String name)

Adds a new package to the project.

Parameters:

name - the name to use for the new package

Returns:

the package that was created

addProfile

[IRPPProfile](#) **addProfile**(java.lang.String name)

Adds a new profile to the project.

Parameters:

name - the name to use for the new profile

Returns:

the profile that was created

addSpellCheckerResult

void **addSpellCheckerResult**(java.lang.String value)

For internal use only.

allowAutoSave

void **allowAutoSave**(int allow)

Can be used to temporarily disable autosaving of the model regardless of the current value of the property General::Model::AutoSaveInterval.

Parameters:

allow - Use 0 to turn off autosave, use 1 to turn autosave on

allowNonUniqueNames

void **allowNonUniqueNames**(int allow)

For internal use only.

applyBrowserCustomViewsOnDiagrams

```
void applyBrowserCustomViewsOnDiagrams(int newVal)
```

Applies the custom views applied to the browser to all diagrams as well.

Parameters:

`newVal` - Use 1 to apply the custom views to all diagrams, 0 to remove the custom views from the diagrams

Throws:

[RhapsodyRuntimeException](#)

applyRoundtripDiffMerge

```
void applyRoundtripDiffMerge(int magicNumber,  
                             IRPProject shadowModel,  
                             IRPCollection filesToUpdate)
```

For internal use only.

becomeActiveProject

```
void becomeActiveProject()
```

Makes this project the active project in Rhapsody. For use when you have multiple projects open in Rhapsody.

checkEventsBaseIdsSolveCollisions

```
void checkEventsBaseIdsSolveCollisions()
```

Checks the values of the event base IDs for all packages in the model, detects collisions between the IDs, and resolves any incorrect values and collisions.

cleanUnresolvedElements

```
void cleanUnresolvedElements(IRPModelElement rootElement)
```

Removes any unresolved elements from the model, starting at the level of the specified element and working downward.

Parameters:

`rootElement` - the element below which Rhapsody should remove all unresolved elements

close

```
void close()
```

Closes the project.

closeCSVFile

```
void closeCSVFile(java.lang.String fullCSVFileName)
```

Closes the tab in the Output window for the specified csv file.

Parameters:

fullCSVFileName - the path of the csv file that should be closed

deleteComponent

```
void deleteComponent(IRPComponent component)
```

Deletes the specified Component.

Parameters:

component - the Component that should be deleted

enableRhapsodyModelManager

```
void enableRhapsodyModelManager()
```

Enables the project for Rhapsody Model Manager. The actions carried out are the same as those carried out when you choose Enable Rhapsody Model Manager from the popup menu for projects in Rhapsody.

endTransactionOfNoCGInterest

```
void endTransactionOfNoCGInterest()
```

For internal use only.

findComponent

```
IRPComponent findComponent(java.lang.String name)
```

Returns the Component with the specified name.

Parameters:

name - the name of the Component to return

Returns:

the Component with the specified name

findElementByBinaryID

[IRPModelElement](#) `findElementByBinaryID` (byte[] theID)

Retrieves a model element based on its binary ID. This operation can be used in conjunction with the operation `IRPModelElement.getBinaryID`, which returns the binary ID of the element. In some situations, `findElementByBinaryID` is faster than the operation `IRPProject.findElementByGUID`.

Parameters:

theID - the binary ID for the model element that should be retrieved

Returns:

the model element with the specified binary ID

findElementByFileName

[IRPModelElement](#) `findElementByFileName` (java.lang.String theFolderName,
java.lang.String theFileName)

Returns the top-level element in the specified Rhapsody unit file. For example, the top-level package is returned for an sbs file, and the class element is returned for a cls file.

Parameters:

theFolderName - the full path of the folder that contains the unit file

theFileName - the filename for the unit file

Returns:

the top-level element in the specified Rhapsody unit file

Throws:

[RhapsodyRuntimeException](#)

findElementByGUID

[IRPModelElement](#) `findElementByGUID` (java.lang.String theGUID)

Retrieves a model element based on its GUID.

Parameters:

theGUID - the GUID for the model element that should be retrieved

Returns:

the model element with the specified GUID

findElementsWithOSLCLink

[IRPCollection](#) `findElementsWithOSLCLink` (java.lang.String type,
java.lang.String purl)

Returns a collection of all the model elements that have an OSLC link of the specified type to the specified target element.

Parameters:

`type` - the link type of the OSLC link. Must be one of the typed defined in [IRPModelElement.OSLCLink.Types](#). You can also use "*" to represent all of the types.
`url` - the URL for the link's target element. You can use "*" to find all the model elements that have any link of the specified type.

Returns:

collection of the model elements that have an OSLC link of the specified type to the specified target element

Throws:

[RhapsodyRuntimeException](#)

getActiveComponent

[IRPComponent](#) `getActiveComponent()`

Returns the active component.

Returns:

the active component

getActiveConfiguration

[IRPConfiguration](#) `getActiveConfiguration()`

Returns the active configuration.

Returns:

the active configuration

getActiveCustomViewsOnBrowser

[IRPCollection](#) `getActiveCustomViewsOnBrowser()`

Returns a collection of the custom views currently applied to the browser.

Returns:

the custom views currently applied to the browser

Throws:

[RhapsodyRuntimeException](#)

getActiveCustomViewsOnDiagram

[IRPCollection](#) `getActiveCustomViewsOnDiagram(IRPDiagram diagram)`

Returns a collection of the custom views currently applied to the specified diagram.

Parameters:

`diagram` - the diagram whose custom views should be returned

Returns:

the custom views currently applied to the specified diagram

Throws:

getAllStereotypes

[IRPCollection](#) getAllStereotypes ()

Returns a collection of all the stereotypes in the project.

Returns:

all the stereotypes in the project

getCgSimplifiedModelPackage

[IRPPackage](#) getCgSimplifiedModelPackage ()

Returns the package that contains the simplified model.

Returns:

the package that contains the simplified model

getCodeGeneratedFiles

[IRPCollection](#) getCodeGeneratedFiles ()

Returns a collection of filenames for the code files that will be generated for the current active component if you select the "regenerate" option. Note that this does not refer to which files were actually generated the last time that code generation was carried out.

Returns:

collection of filenames for the code files that will be generated for the current active component if you select the "regenerate" option

getComponents

[IRPCollection](#) getComponents ()

Returns a collection of all the components in the project.

Returns:

all the components in the project

getDefaultDirectoryScheme

java.lang.String getDefaultDirectoryScheme ()

Returns the project's default directory scheme with regard to packages. "Flat" means that all new units are saved in a single directory. "PackageAsDirectory" means that a new directory is created for each package in the model. This setting is controlled by the property General::Model::DefaultDirectoryScheme.

Returns:

the project's default directory scheme with regard to packages - Flat or PackageAsDirectory

getNewCollaboration

[IRPCollaboration](#) `getNewCollaboration()`

Creates a new IRPCollaboration object that can be used to create a sequence diagram.

Returns:

the IRPCollaboration object that was created

getNewProgressBar

[IRPProgressbar](#) `getNewProgressBar(int amount,
java.lang.String name)`

method `getNewProgressBar`

Throws:

[RhapsodyRuntimeException](#)

getNotifyPluginOnElementsChanged

`int getNotifyPluginOnElementsChanged()`

Checks whether plugins will be notified when model elements are modified.

Returns:

1 if plugins are to be notified when model elements are modified, 0 otherwise.

Throws:

[RhapsodyRuntimeException](#)

getProfiles

[IRPCollection](#) `getProfiles()`

Returns a collection of all the profiles in the project.

Returns:

all the profiles in the project

getRemoteResourcePackages

[IRPCollection](#) `getRemoteResourcePackages()`

For Model Manager and Design Manager projects, returns the packages of remote resources (the "Remote Resource Packages"). The collection returned consists of IRPPackage objects. You can then cycle through the individual packages to access the individual remote resources.

Returns:
the packages of remote resources

getRequirementsByID

[IRPCollection](#) `getRequirementsByID`(java.lang.String requirementID,
int returnFirstFoundOnly)

Returns all of the requirements that have the specified ID. This refers to the ID field in the Features dialog for requirements. For models where you know that only one requirement can have a given ID, you can use the second parameter to specify that only the first matching requirement should be returned - this option can be useful in large models.

Parameters:

requirementID - the ID to use for the search
returnFirstFoundOnly - use 1 if you want the method to return only the first matching requirement, 0 if you want the method to return all matching requirements

Returns:

all of the requirements that have the specified ID

Throws:

[RhapsodyRuntimeException](#)

getRoundtripShadowModel

[IRPProject](#) `getRoundtripShadowModel`(int magicNumber)

For internal use only.

highlightFromCode

[IRPModelElement](#) `highlightFromCode`(java.lang.String filename,
int lineNumber)

Highlights in the Rhapsody browser the model element associated with the specified line of code.

```
IRPProject prj = app.openProject("d:\\temp\\_sample_code\\First_Project.rpy");
prj.highlightFromCode("d:\\temp\\_sample_code\\DefaultComponent\\DefaultConfig\\class_0.h", 42);
```

Parameters:

filename - the absolute path for the relevant source file
lineNumber - the line number in the file

Returns:

the model element associated with the specified line of code

Throws:

[RhapsodyRuntimeException](#)

importPackageFromRose

```
void importPackageFromRose (java.lang.String projectName,
                           java.lang.String packageName,
                           java.lang.String logFileName)
```

Imports the specified Rose package. Beginning in release 8.1.4, this method is no longer supported.

Parameters:

`projectName` - the Rose project from which the package should be imported (path that includes the name of the *.mdl file)
`packageName` - the name of the Rose package to import
`logFileName` - the file to use for logging the import process

importProjectFromRose

```
void importProjectFromRose (java.lang.String projectName,
                           java.lang.String logFileName)
```

Imports the specified Rose project. Beginning in release 8.1.4, this method is no longer supported.

Parameters:

`projectName` - the Rose project to import (path that includes the name of the *.mdl file)
`logFileName` - the file to use for logging the import process

isActivelyManaged

```
int isActivelyManaged ()
```

Checks whether the project is an actively-managed Design Manager project.

Returns:

1 if the project is an actively-managed DM project, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isModifiedRecursive

```
int isModifiedRecursive ()
```

Checks whether any part of the project has been modified and the project needs to be saved.

Returns:

1 if any part of the project has been modified, 0 if no changes have been made

locateInIDE

```
void locateInIDE (IRPConfiguration config,
                 java.lang.String filename,
                 int lineNumber)
```

For projects that use Rhapsody's integration with Eclipse or Visual Studio, you can use the `locateInIDE` method to have the IDE highlight a specific line in a specific source file.

Parameters:

`config` - the Rhapsody configuration (of type Eclipse or Visual Studio configuration) that contains the generated source file

`filename` - the name of the file that should be opened in the IDE

`lineNumber` - the line number of the line that should be highlighted

Throws:

[RhapsodyRuntimeException](#)

migrateDesignManagerLinks

```
void migrateDesignManagerLinks ()
```

For projects that contain imported Design Manager links, this method recreates the links as Rhapsody Model Manager links. Before calling this method, verify that the relevant OSLC links have been imported into the model. If not, log-in to the DM server with `IRPApplication.loginToDesignManagerWithUsername`, and then call the method `IRPApplication.importDesignManagerModel`. You also must verify that the model has been enabled for Rhapsody Model Manager. If not, you can call the method `IRPProject.enableRhapsodyModelManager`. If the relevant Rhapsody Model Manager project area is configuration-managed, set the global configuration for your Rhapsody project before migrating the links by calling the method `IRPProject.setGlobalConfiguration`.

moveToDesignManager

@Deprecated

```
void moveToDesignManager (java.lang.String userName,
                          java.lang.String password,
                          java.lang.String serverURL,
                          java.lang.String projectAreaName,
                          java.lang.String streamName)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

moveToDesignManagerAfterLogin

@Deprecated

```
void moveToDesignManagerAfterLogin (java.lang.String serverURL,
                                    java.lang.String projectAreaName,
                                    java.lang.String streamName)
```

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

openCSVFile

```
void openCSVFile (java.lang.String fullCSVFileName,
                  int reserved)
```

Displays the content of the specified csv file in a new tab in the Output window.

Parameters:

`fullCSVFileName` - the path of the csv file that should be displayed
`reserved` - this parameter has no effect, you can use any integer

recalculateEventsBaseIds

```
void recalculateEventsBaseIds ()
```

If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package. As a result, there are situations where the IDs used for events in a given package may not be continuous. In cases like this, you can use the method `recalculateEventsBaseIds` to have the event ID numbering recalculated so that event IDs are continuous for all events within each package in the project.

reloadCSVFile

```
void reloadCSVFile (java.lang.String fullCSVFileName)
```

Reloads the content of the specified csv file in a tab in the Output window.

Parameters:

`fullCSVFileName` - the path of the csv file that should be reloaded

remove

```
int remove ()
```

Removes the project from the Rhapsody workspace.

Returns:

1 if the project was removed successfully, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

removeCustomViewOnBrowser

```
void removeCustomViewOnBrowser (IRPPackage customView)
```

Removes the specified custom view from the model browser.

Parameters:

`customView` - the custom view that should be removed from the browser

Throws:

[RhapsodyRuntimeException](#)

removeCustomViewOnDiagram

```
void removeCustomViewOnDiagram(IRPDiagram diagram,  
                               IRPPackage customView)
```

Removes the specified custom view from the specified diagram.

Parameters:

diagram - the diagram that the custom view should be removed from
customView - the custom view that should be removed from the diagram

Throws:

[RhapsodyRuntimeException](#)

save

```
void save ()
```

Saves the project.

saveAs

```
void saveAs (java.lang.String filename)
```

Saves the project using the specified path.

Parameters:

filename - the path to use for saving the project

saveAsPrevVersion

```
void saveAsPrevVersion (java.lang.String filename,  
                        java.lang.String prevVersion)
```

Saves the project, using the format of a previous version of Rhapsody.

Parameters:

filename - the path to use for saving the project
prevVersion - the Rhapsody version whose format you want to use for saving the project.
The valid strings for this parameter are those that are used in the Save As dialog in the user interface, for example, "7.6.1".

setActiveComponent

```
void setActiveComponent (java.lang.String name)
```

Sets the specified component as the active component for the project. Note that there are two versions of this method. The first takes a String parameter, which is the name of the component that should be made the active component. The second version takes an object of type IRPComponent, which is the component that should be made the active component.

Parameters:

`activeComponent` - the name of the component that should be set as the active component for the project. The string should represent the location of the component in the project hierarchy, using a double colon (::) as the delimiter, for example, Default::subpackage_1::component_a::subcomponent_b. If the component is not contained in a package or within another component, you can just use the name of the component.

setActiveComponent

```
void setActiveComponent(IRPComponent activeComponent)
```

Sets the specified component as the active component for the project. Note that there are two versions of this method. The first takes a String parameter, which is the name of the component that should be made the active component. The second version takes an object of type IRPComponent, which is the component that should be made the active component.

Parameters:

`activeComponent` - the name of the component that should be set as the active component for the project. The string should represent the location of the component in the project hierarchy, using a double colon (::) as the delimiter, for example, Default::subpackage_1::component_a::subcomponent_b. If the component is not contained in a package or within another component, you can just use the name of the component.

setActiveConfiguration

```
void setActiveConfiguration(java.lang.String name)
```

Sets the specified configuration to be the active configuration of the project. The configuration must belong to the active component. Note that there are two versions of this method. The first takes a String parameter, which is the name of the configuration that should be made the active configuration. The second version takes an object of type IRPConfiguration, which is the configuration that should be made the active configuration.

Parameters:

`activeConfiguration` - the name of the configuration to set as the active configuration

setActiveConfiguration

```
void setActiveConfiguration(IRPConfiguration activeConfiguration)
```

Sets the specified configuration to be the active configuration of the project. The configuration must belong to the active component. Note that there are two versions of this method. The first takes a String parameter, which is the name of the configuration that should be made the active configuration. The second version takes an object of type IRPConfiguration, which is the configuration that should be made the active configuration.

Parameters:

`activeConfiguration` - the name of the configuration to set as the active configuration

setDefaultDirectoryScheme

```
void setDefaultDirectoryScheme(java.lang.String defaultDirectoryScheme)
```

Set's the project's default directory scheme with regard to packages. This setting is controlled by the property `General::Model::DefaultDirectoryScheme`.

Parameters:

`defaultDirectoryScheme` - the default directory scheme to use for packages in the model. The valid values for this parameter are: "Flat" - all new units are saved in a single directory, and "PackageAsDirectory" - a new directory is created for each package in the model.

setGlobalConfiguration

```
int setGlobalConfiguration(java.lang.String GCUri,
                           java.lang.String name)
```

Specifies the global configuration that should be used for the project.

Parameters:

`GCUri` - the URI of the global configuration that should be used
`name` - the name of the global configuration that should be used

Returns:

1 if the global configuration information was set correctly, 0 otherwise

setNotifyPluginOnElementsChanged

```
void setNotifyPluginOnElementsChanged(int val)
```

For plugins that use the callback API, you must call the method `setNotifyPluginOnElementsChanged` if you want the plugin to be notified when model elements are modified.

Parameters:

`val` - Use 1 to specify that the plugin should be notified when an element is modified. Use 0 to specify that the plugin should not be notified when elements are modified.

Throws:

[RhapsodyRuntimeException](#)

setObjectExplicit

```
void setObjectExplicit(IRPInstance pInstance)
```

Changes the specified object to an explicit object. As a result, a class is added to the model with the name `[object name]_Class`. This method corresponds to the `Expose Class` option in the pop-up menu of the Rhapsody model browser.

Parameters:

`pInstance` - the object that should be changed to explicit

setObjectImplicit

```
void setObjectImplicit (IRPInstance pInstance)
```

Changes the specified object to an implicit object.

Parameters:

pInstance - the object that should be changed to implicit

setUseUniqueStereotypeAndRefCache

```
void setUseUniqueStereotypeAndRefCache (int useUniqueStereotypeAndRefCache)
```

This method can be used to specify that all of the stereotypes in the model should be cached to allow quicker retrieval. This can be beneficial when working with profiles that contain a very large number of stereotypes.

Parameters:

useUniqueStereotypeAndRefCache - use 1 to turn on stereotype caching, use 0 to turn off stereotype caching

Throws:

[RhapsodyRuntimeException](#)

setWaitDialogWatchdogValue

```
void setWaitDialogWatchdogValue (java.lang.String value)
```

The method setWaitDialogWatchdogValue provides a mechanism that allows an external process to inform Rhapsody that the process has ended or crashed. Call this method with any non-blank value to notify Rhapsody that the process is running. Rhapsody then displays a message dialog indicating that it is waiting for the process to complete. The user plugin must continue calling this method repeatedly to indicate that it has not finished. The interval for calling the function must be less than two minutes. If the method is not called for two minutes, Rhapsody assumes the process has crashed, and it closes the dialog and lets Rhapsody continue. When the process has completed, call the method again with an empty string as the argument. This informs Rhapsody that the process is done.

Parameters:

value - use non-blank string to indicate to Rhapsody that the external process is still running, use blank string to indicate to Rhapsody that the process has completed

Throws:

[RhapsodyRuntimeException](#)

startTransactionOfNoCGInterest

```
void startTransactionOfNoCGInterest ()
```

For internal use only.

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com.telelogic.rhapsody.core Interface IRPRelation

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPInstance](#), [IRPModule](#), [IRPPort](#), [IRPSysMLPort](#)

```
public interface IRPRelation
extends IRPUnit
```

Represents a relationship between two classes.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addQualifier (IRPModelElement pVal) method addQualifier
IRPAssociationClass	getAssociationClass () method getAssociationClass
IRPRelation	getInverse () get property inverse
int	getIsNavigable () get property isNavigable
int	getIsSymmetric () get property isSymmetric
java.lang.String	getMultiplicity () get property multiplicity
IRPClass	getObjectAsObjectType () get property ObjectAsObjectType

Method Summary	
IRPClassifier	getOfClass () get property ofClass
IRPClassifier	getOtherClass () Gets the class that this class is related to via this relation.
java.lang.String	getQualifier () get property qualifier
IRPCollection	getQualifiers () method getQualifiers
IRPClassifier	getQualifierType () For associations that use qualifiers, returns the type of the qualifier.
java.lang.String	getRelationLabel () get property relationLabel
java.lang.String	getRelationLinkName () get property relationLinkName
java.lang.String	getRelationRoleName () get property relationRoleName
java.lang.String	getRelationType () get property relationType
java.lang.String	getVisibility () get property visibility
int	isTypelessObject () method isTypelessObject
void	makeUnidirect () method makeUnidirect
void	removeQualifier (IRPModelElement pVal) method removeQualifier
void	setInverse (java.lang.String roleName, java.lang.String linkType) property setInverse
void	setIsNavigable (int isNavigable) set property isNavigable
void	setMultiplicity (java.lang.String multiplicity) set property multiplicity
void	setOfClass (IRPClassifier ofClass) set property ofClass
void	setOtherClass (IRPClassifier otherClass) set property otherClass
void	setQualifier (java.lang.String qualifier) set property qualifier

Method Summary

void	setQualifierType (IRPClassifier pVal) Sets the type to use for the qualifier for the association.
void	setRelationLabel (java.lang.String relationLabel) set property relationLabel
void	setRelationLinkName (java.lang.String relationLinkName) set property relationLinkName
void	setRelationRoleName (java.lang.String relationRoleName) set property relationRoleName
void	setRelationType (java.lang.String relationType) set property relationType

Methods inherited from interface com.telelogic.rhapsody.core.IRPUnit

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.IRPModelElement

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addQualifier

void **addQualifier**([IRPModelElement](#) pVal)

method addQualifier

Throws:

[RhapsodyRuntimeException](#)

getAssociationClass

[IRPAssociationClass](#) **getAssociationClass**()

method getAssociationClass

Throws:

[RhapsodyRuntimeException](#)

getInverse

[IRPRelation](#) **getInverse**()

get property inverse

Throws:

[RhapsodyRuntimeException](#)

getIsNavigable

int **getIsNavigable**()

get property isNavigable

Throws:

[RhapsodyRuntimeException](#)

getIsSymmetric

int **getIsSymmetric**()

get property isSymmetric

Throws:

[RhapsodyRuntimeException](#)

getMultiplicity

java.lang.String **getMultiplicity**()

get property multiplicity

Throws:

[RhapsodyRuntimeException](#)

getObjectAsObjectType

[IRPClass](#) **getObjectAsObjectType**()

get property ObjectAsObjectType

Throws:

[RhapsodyRuntimeException](#)

getOfClass

[IRPClassifier](#) **getOfClass**()

get property ofClass

Throws:

[RhapsodyRuntimeException](#)

getOtherClass

[IRPClassifier](#) **getOtherClass**()

Gets the class that this class is related to via this relation.

Returns:

the class that this class is related to via this relation

getQualifier

java.lang.String **getQualifier**()

get property qualifier

Throws:

[RhapsodyRuntimeException](#)

getQualifierType

[IRPClassifier](#) **getQualifierType**()

For associations that use qualifiers, returns the type of the qualifier.

Returns:

the type of the qualifier that is used for the association

getQualifiers

[IRPCollection](#) `getQualifiers()`

method `getQualifiers`

Throws:

[RhapsodyRuntimeException](#)

getRelationLabel

`java.lang.String` `getRelationLabel()`

get property `relationLabel`

Throws:

[RhapsodyRuntimeException](#)

getRelationLinkName

`java.lang.String` `getRelationLinkName()`

get property `relationLinkName`

Throws:

[RhapsodyRuntimeException](#)

getRelationRoleName

`java.lang.String` `getRelationRoleName()`

get property `relationRoleName`

Throws:

[RhapsodyRuntimeException](#)

getRelationType

`java.lang.String` `getRelationType()`

get property `relationType`

Throws:

[RhapsodyRuntimeException](#)

getVisibility

```
java.lang.String getVisibility()
```

get property visibility

Throws:

[RhapsodyRuntimeException](#)

isTypelessObject

```
int isTypelessObject()
```

method isTypelessObject

Throws:

[RhapsodyRuntimeException](#)

makeUnidirect

```
void makeUnidirect()
```

method makeUnidirect

Throws:

[RhapsodyRuntimeException](#)

removeQualifier

```
void removeQualifier(IRPModelElement pVal)
```

method removeQualifier

Throws:

[RhapsodyRuntimeException](#)

setInverse

```
void setInverse(java.lang.String roleName,  
                java.lang.String linkType)
```

property setInverse

Throws:

[RhapsodyRuntimeException](#)

setIsNavigable

```
void setIsNavigable(int isNavigable)
```

set property isNavigable

getVisibility

Throws:

[RhapsodyRuntimeException](#)

setMultiplicity

void **setMultiplicity**(java.lang.String multiplicity)

set property multiplicity

Throws:

[RhapsodyRuntimeException](#)

setOfClass

void **setOfClass**([IRPClassifier](#) ofClass)

set property ofClass

Throws:

[RhapsodyRuntimeException](#)

setOtherClass

void **setOtherClass**([IRPClassifier](#) otherClass)

set property otherClass

Throws:

[RhapsodyRuntimeException](#)

setQualifier

void **setQualifier**(java.lang.String qualifier)

set property qualifier

Throws:

[RhapsodyRuntimeException](#)

setQualifierType

void **setQualifierType**([IRPClassifier](#) pVal)

Sets the type to use for the qualifier for the association.

Parameters:

pVal - the type to use for the qualifier for the association

setRelationLabel

void **setRelationLabel**(java.lang.String relationLabel)

set property relationLabel

Throws:

[RhapsodyRuntimeException](#)

setRelationLinkName

void **setRelationLinkName**(java.lang.String relationLinkName)

set property relationLinkName

Throws:

[RhapsodyRuntimeException](#)

setRelationRoleName

void **setRelationRoleName**(java.lang.String relationRoleName)

set property relationRoleName

Throws:

[RhapsodyRuntimeException](#)

setRelationType

void **setRelationType**(java.lang.String relationType)

set property relationType

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPRequirement

All Superinterfaces:

[IRPAnnotation](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPRequirement
extends IRPAnnotation
```

The IRPRequirement interface represents requirements in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getRequirementID () Returns the ID that was set for the requirement.
void	setRequirementID (java.lang.String requirementID) Sets the ID for the requirement.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

[addAnchor](#), [getAnchoredByMe](#), [getBody](#), [getSpecification](#), [getSpecificationRTF](#), [isSpecificationRTF](#), [removeAnchor](#), [setBody](#), [setSpecification](#), [setSpecificationRTF](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getRequirementID**

```
java.lang.String getRequirementID()
```

Returns the ID that was set for the requirement.

Returns:

the ID for the requirement

setRequirementID

```
void setRequirementID(java.lang.String requirementID)
```

Sets the ID for the requirement.

Parameters:

requirementID - the ID to use for the requirement

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com.telelogic.rhapsody.core Interface IRPRhapsodyServer

```
public interface IRPRhapsodyServer
```

Method Summary

IRPApplication	getApplication() getApplication
IRPApplication	getHiddenApplication() getHiddenApplication
java.lang.String	getInterfaceName() get property interfaceName
IRPApplication	getUninitializedApplication() getUninitializedApplication
void	initializeApplication(IRPApplication pVal) initializeApplication

Method Detail

getApplication

[IRPApplication](#) [getApplication\(\)](#)

getApplication

Throws:

[RhapsodyRuntimeException](#)

getHiddenApplication

[IRPApplication](#) [getHiddenApplication\(\)](#)

getHiddenApplication

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

java.lang.String **getInterfaceName**()

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getUninitializedApplication

[IRPApplication](#) **getUninitializedApplication**()

getUninitializedApplication

Throws:

[RhapsodyRuntimeException](#)

initializeApplication

void **initializeApplication**([IRPApplication](#) pVal)

initializeApplication

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPRoundTrip

```
public interface IRPRoundTrip
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
IRPCollection	roundtripFile (java.lang.String filename, int reGenerateFile) roundtrip file

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

roundtripFile

```
IRPCollection roundtripFile (java.lang.String filename,  
int reGenerateFile)
```

roundtrip file

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPSearchManager

```
public interface IRPSearchManager
```

IRPSearchManager is used to carry out a search in a Rhapsody model.

Method Summary

IRPSearchQuery	createSearchQuery () Creates a search query object.
java.lang.String	getInterfaceName () Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.
IRPCollection	search (IRPSearchQuery pSearchQuery) Searches the model using the specified search query.
void	searchAndShowResults (IRPSearchQuery pSearchQuery) Searches the model using the specified search query, and shows the results in the Search tab of the Output window.
void	searchAsync (IRPSearchQuery pSearchQuery) Searches the model asynchronously, allowing you to continue working in Rhapsody.

Method Detail

createSearchQuery

[IRPSearchQuery](#) [createSearchQuery](#) ()

Creates a search query object.

Returns:

the search query object that was created

Throws:

[RhapsodyRuntimeException](#)

search

[IRPCollection](#) **search**([IRPSearchQuery](#) pSearchQuery)

Searches the model using the specified search query.

Parameters:

pSearchQuery - the search query to use to search the model

Returns:

collection of the model elements returned by the search

Throws:

[RhapsodyRuntimeException](#)

searchAndShowResults

void **searchAndShowResults**([IRPSearchQuery](#) pSearchQuery)

Searches the model using the specified search query, and shows the results in the Search tab of the Output window.

Parameters:

pSearchQuery - the search query to use to search the model

Throws:

[RhapsodyRuntimeException](#)

searchAsync

void **searchAsync**([IRPSearchQuery](#) pSearchQuery)

Searches the model asynchronously, allowing you to continue working in Rhapsody. The method is used in conjunction with classes that are derived from the RPSearchListener class. The class includes the following methods that can be used to respond to the progress of the search: searchStarted, onNewSearchResult, and searchEnded.

Parameters:

pSearchQuery - the search query to use to search the model

Throws:

[RhapsodyRuntimeException](#) -

```
IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
IRPSearchManager mgr = app.getSearchManager();
IRPSearchQuery query = mgr.createSearchQuery();
query.addFilterElementType("Block");
MySearchListener listener = new MySearchListener();
listener.connect(mgr);
mgr.searchAsync(query);
public class MySearchListener extends RPSearchListener {
    {@literal @}Override
    public boolean onNewSearchResult(IRPSearchResult pSearchResult) {
        System.out.println(pSearchResult.getMatchedField());
        System.out.println(pSearchResult.getMatchedObject().getName());
        return false;
    }
    // have to provide implementation of other abstract methods as well
}
```

getInterfaceName

java.lang.String **getInterfaceName**()

Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.

Returns:

the name of the API interface corresponding to the current element

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPSearchQuery

```
public interface IRPSearchQuery
```

The IRPSearchQuery interface represents the search criteria objects that are used by IRPSearchManager to carry out searches.

Nested Class Summary	
static class	IRPSearchQuery.References
static class	IRPSearchQuery.SearchInField Constant values used with elements of this type
static class	IRPSearchQuery.SubQueriesOperator
static class	IRPSearchQuery.UnresolvedKind
static class	IRPSearchQuery.ViewsToSearch

Method Summary	
int	addDiagramToViewsList (IRPDiagram view) Adds the specified diagram to the list of views to be searched for the search text.
void	addFilterElementType (java.lang.String elementType) Adds an element type to the list of element types that the search should be applied to.
void	addFilterSearchInField (java.lang.String searchInField) Adds an element field to the list of element fields that the search should be applied to, for example, element name or element description.
void	addFilterStereotype (IRPStereotype stereotype) Specifies that the search should be limited to model elements with a specific stereotype applied to them.
void	addFilterSubQuery (IRPTableLayout subQuery, int useWithNotOperator) Adds a subquery to the list of subqueries specified for the search.

Method Summary	
int	addMatrixToViewsList (IRPMatrixView view) Adds the specified matrix to the list of views to be searched for the search text.
void	addSearchScope (IRPModelElement scopeElement) Adds an element to the scope for the search.
int	addTableToViewsList (IRPTableView view) Adds the specified table to the list of views to be searched for the search text.
IRPCollection	getFilterElementTypes () Returns the element types that are to be searched for the search text.
int	getFilterReferenceIncludeReferencedElementsInSearchResults () Checks whether the reference search criterion specified that the referenced elements included in the search criterion should also be displayed in the search results.
java.lang.String	getFilterReferenceNameOfReferencedElements () Returns the model element name that was specified for the reference criterion that was defined.
int	getFilterReferenceNumberOfReferences () Returns the number of references that was specified as a search criterion.
java.lang.String	getFilterReferenceQuantityOperator () When the search criterion includes a specific number of references, this method returns a value that indicates whether the criterion was exactly that number of references, less than that number, or more than that number.
java.lang.String	getFilterReferenceRelationKind () Returns the type of reference used in the search criterion, for example, aggregates or incoming relations.
java.lang.String	getFilterReferenceStereotypeOfReferencedElements () Returns the stereotype that was specified for the reference criterion that was defined.
java.lang.String	getFilterReferenceTypeOfReferencedElements () Returns the model element type that was specified for the reference criterion that was defined.
IRPCollection	getFilterSearchInFields () Returns the list of element fields that the search is to be applied to.
IRPCollection	getFilterStereotypes () Returns the names of the stereotypes that were specified as search criteria.
IRPCollection	getFilterSubQueries () Returns the subqueries that were specified for the search.
java.lang.String	getFilterSubQueriesOperator () Returns indication of how the specified subqueries are to be combined in the search
int	getFilterSubQueryUseWithNotOperator (IRPTableLayout subQuery) Checks whether the NOT operator was specified for the specified subquery.

Method Summary	
char	getFilterTagFindAs () Returns the type of search that was specified for the tag name and tag value search criteria - regular text, wildcard, regular expression, or empty string.
int	getFilterTagLocalOnly () Checks whether the tag criterion set for a search is limited to only local tags
int	getFilterTagMatchCase () Checks whether an exact match was specified for the tag name and tag value search criteria, in terms of upper and lower case.
int	getFilterTagMatchWholeWord () Checks whether a whole word match was specified for the tag name and tag value search criteria
java.lang.String	getFilterTagName () Returns the tag name specified as a criterion for the search
java.lang.String	getFilterTagValue () Returns the tag value specified as a criterion for the search
int	getFilterUnitsOnly () Checks whether the search is limited to model elements that are saved units.
java.lang.String	getFilterUnresolvedKind () Returns the method that was specified for handling unresolved elements in the search.
int	getIncludeDescendants () Checks whether the scope of the search is to include the descendants of the elements specified for the scope.
java.lang.String	getInterfaceName () Returns the name of the interface (IRPSearchQuery).
int	getMatchCase () Checks whether an exact match was specified for the query in terms of upper and lower case.
int	getMatchSpecifiedCriteria () Checks whether the query is to return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.
int	getMatchWholeWord () Checks whether a whole word match was specified for the search.
char	getSearchFindAsOption () Returns the type of search that was specified for the search text - regular text, wildcard, regular expression, or empty string.
IRPCollection	getSearchScopeElements () Returns a collection of the model elements that constitute the scope for the search.
IRPModelElement	getSearchScopeObject () Deprecated. <i>This method, used to return the scope specified for the search, was</i>

Method Summary	
	<i>introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method getSearchScopeElements().</i>
java.lang.String	getSearchText() Returns the text that was specified as the text to search for.
IRPModelElement	getView(int Index) Retrieves the specified item from the list of tables, matrices, and diagrams that are to be searched.
int	getViewCount() Returns the number of views in the list of views that are to be searched.
int	getViewIncludeModelElements() Checks whether the query specifies that the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.
java.lang.String	getViewsToSearch() Returns indication of which views (diagrams, tables, and matrices) are supposed to be searched.
void	loadFromQuery(IRPTableLayout query) Loads the settings from the specified query into the search query object.
void	removeFilterElementTypes() Removes any element type filters that you defined to limit the search to certain element types.
void	removeFilterReferences() Removes reference search criterion that was defined for the search query.
void	removeFilterSearchInFields() Removes any element field filters that you defined to limit the search to certain element fields, for example, model element descriptions.
void	removeFilterStereotypes() Removes any stereotype filter that was defined to limit the search to model elements that have certain stereotypes applied to them.
void	removeFilterSubQueries() Removes the subquery criteria that were specified for the search.
int	removeFilterSubQuery(IRPTableLayout subQuery) Removes the specified subquery from the search.
void	removeFilterTag() Removes the tag name and tag value criteria that were defined for the search query.
int	removeSearchScopeElement(IRPModelElement scopeElement) Removes the specified model element from the scope for the search.
void	removeView(int Index)

Method Summary	
	Removes the specified view from the list of views to be searched for the search text.
void	resetSearchScope () Resets the search scope to include the entire project, or all projects if multiple projects are open.
IRPTableLayout	saveAsQuery (IRPPackage queryOwner) Saves the search query object that you defined as a query in your model.
void	setFilterReference (java.lang.String quantityOperator, int numberOfReferences, java.lang.String relationKind, java.lang.String typeOfReferencedElements, java.lang.String stereotypeOfReferencedElements, java.lang.String nameOfReferencedElements, int includeReferencedElementsInSearchResults) Sets criteria for the search based on an element's references.
void	setFilterSubQueriesOperator (java.lang.String filterSubQueriesOperator) Specify how the various subqueries specified should be combined - as an AND operation or an OR operation
void	setFilterTag (java.lang.String tagName, java.lang.String tagValue, int matchCase, int matchWholeWord, char findAs) Sets tag name and tag value criteria for the search query.
void	setFilterTagLocalOnly (int filterTagLocalOnly) Specifies whether the tag criterion for a search should be limited to only local tags.
void	setFilterUnitsOnly (int filterUnitsOnly) Specifies whether the search should be limited to model elements that are saved units.
void	setFilterUnresolvedKind (java.lang.String filterUnresolvedKind) Specifies how unresolved elements should be handled in the search.
void	setIncludeDescendants (int includeDescendants) Specifies whether the scope for the search should include the descendants of the elements specified for the scope, for example, the subpackages of a package that was added to the scope.
void	setMatchCase (int matchCase) Specifies whether the search should require an exact match in terms of upper and lower case.
void	setMatchSpecifiedCriteria (int matchSpecifiedCriteria) Specifies whether the query should return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.
void	setMatchWholeWord (int matchWholeWord) Specifies whether the search should require whole word matches.
void	setSearchFindAsOption (char searchFindAsOption) Sets the type of search that should be used for the search text - regular text, wildcard, regular expression, or empty string.

Method Summary

void	setSearchScopeObject (IRPModelElement searchScopeObject) Deprecated. <i>This method, used to set the scope for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method addSearchScope (com.telelogic.rhapsody.core.IRPModelElement).</i>
void	setSearchText (java.lang.String searchText) Specifies the text that should be searched for.
void	setViewIncludeModelElements (int viewIncludeModelElements) Specifies whether the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.
void	setViewsToSearch (java.lang.String viewsToSearch) Specifies which views (tables, matrices, and diagrams) should be searched - all, none, all open, or just the views that were specified with the methods addDiagramToViewsList , addTableToViewsList , and addMatrixToViewsList .

Method Detail

addDiagramToViewsList

```
int addDiagramToViewsList (IRPDiagram view)
```

Adds the specified diagram to the list of views to be searched for the search text. Note that the list of views to search will be used only if you call the method [IRPSearchQuery.setViewstoSearch](#), providing [IRPSearchQuery.ViewsToSearch.DETAILED](#) as the argument.

Parameters:

view - the diagram to add to the list of views to search

Returns:

the location of the new item in the list of views. Note that the order of the list can change when a view is added or removed, so the returned index can only be used if you have not made additional changes to the list since adding the item.

Throws:

[RhapsodyRuntimeException](#)

addFilterElementType

```
void addFilterElementType (java.lang.String elementType)
```

Adds an element type to the list of element types that the search should be applied to. Note that the purpose of this method is to limit the search to certain element types. If you do not call this method at all, then the search will be applied to all model element types.

Parameters:

elementType - element type to add to the list of element types to search. The strings to use for this parameter can be found in the file `metaclasses.txt` in the `Doc` directory of the

Rhapsody installation. For this parameter, you can also use any "new terms" in your project.

Throws:

[RhapsodyRuntimeException](#)

addFilterSearchInField

```
void addFilterSearchInField(java.lang.String searchInField)
```

Adds an element field to the list of element fields that the search should be applied to, for example, element name or element description. Note that the purpose of this method is to limit the search to certain element fields. If you do not call this method at all, then the search will be applied to all model element fields.

Parameters:

`searchInField` - element field to add to the list of element fields to search. The value of this parameter should be one of the constants defined in the class [IRPSearchQuery.SearchInField](#). For example, use `IRPSearchQuery.SearchInField.NAME` for the name of the model element, and `IRPSearchQuery.SearchInField.DESCRPTION` for the description of the model element.

addFilterStereotype

```
void addFilterStereotype(IRPStereotype stereotype)
```

Specifies that the search should be limited to model elements with a specific stereotype applied to them. Note that you can call this method multiple times to specify that the search should be limited to elements that have a certain group of stereotypes.

Parameters:

`stereotype` - the stereotype to use as a search criterion. Use null if you want to search for model elements that do not have any stereotypes applied to them.

Throws:

[RhapsodyRuntimeException](#)

addFilterSubQuery

```
void addFilterSubQuery(IRPTableLayout subQuery,  
int useWithNotOperator)
```

Adds a subquery to the list of subqueries specified for the search.

Parameters:

`subQuery` - the subquery to add for the search

`useWithNotOperator` - use 1 if you want the NOT operator to be used for the specified subquery, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

addMatrixToViewsList

```
int addMatrixToViewsList (IRPMatrixView view)
```

Adds the specified matrix to the list of views to be searched for the search text. Note that the list of views to search will be used only if you call the method `IRPSearchQuery.setViewsToSearch`, providing `IRPSearchQuery.ViewsToSearch.DETAILED` as the argument.

Parameters:

`view` - the matrix to add to the list of views to search

Returns:

the location of the new item in the list of views. Note that the order of the list can change when a view is added or removed, so the returned index can only be used if you have not made additional changes to the list since adding the item.

Throws:

[RhapsodyRuntimeException](#)

addSearchScope

```
void addSearchScope (IRPModelElement scopeElement)
```

Adds an element to the scope for the search. You can call this method multiple times to include different parts of the model in a search.

Parameters:

`scopeElement` - model element that represents a part of the model that should be searched, for example, a specific package

Throws:

[RhapsodyRuntimeException](#)

addTableToViewsList

```
int addTableToViewsList (IRPTableView view)
```

Adds the specified table to the list of views to be searched for the search text. Note that the list of views to search will be used only if you call the method `IRPSearchQuery.setViewsToSearch`, providing `IRPSearchQuery.ViewsToSearch.DETAILED` as the argument.

Parameters:

`view` - the table to add to the list of views to search

Returns:

the location of the new item in the list of views. Note that the order of the list can change when a view is added or removed, so the returned index can only be used if you have not made additional changes to the list since adding the item.

Throws:

[RhapsodyRuntimeException](#)

getFilterElementTypes

```
IRPCollection getFilterElementTypes ()
```

Returns the element types that are to be searched for the search text. Note that this method will return element types only if you used the method `addFilterElementType` to limit the search to certain element types. If you did not call the method `addFilterElementType`, then the search is applied to all element types, and `getFilterElementType` will return an empty collection.

Returns:

the element types that are to be searched

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceIncludeReferencedElementsInSearchResults

```
int getFilterReferenceIncludeReferencedElementsInSearchResults ()
```

Checks whether the reference search criterion specified that the referenced elements included in the search criterion should also be displayed in the search results.

Returns:

1 if the reference search criterion specified that the referenced elements included in the search criterion should also be displayed in the search results, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceNameOfReferencedElements

```
java.lang.String getFilterReferenceNameOfReferencedElements ()
```

Returns the model element name that was specified for the reference criterion that was defined.

Returns:

the model element name that was specified for the reference criterion that was defined

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceNumberOfReferences

```
int getFilterReferenceNumberOfReferences ()
```

Returns the number of references that was specified as a search criterion.

Returns:

the number of references that was specified as a search criterion

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceQuantityOperator

```
java.lang.String getFilterReferenceQuantityOperator ()
```

When the search criterion includes a specific number of references, this method returns a value that indicates whether the criterion was exactly that number of references, less than that number, or more

than that number.

Returns:

value that indicates whether the search criterion was an exact number of references, less than a specific number of references, or more than a specific number of references. The value returned will be one of the values defined in

[IRPSearchQuery.References.QuantityOperator](#).

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceRelationKind

```
java.lang.String getFilterReferenceRelationKind()
```

Returns the type of reference used in the search criterion, for example, aggregates or incoming relations.

Returns:

the type of reference used in the search criterion - one of the values defined in

[IRPSearchQuery.References.RelationKind](#).

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceStereotypeOfReferencedElements

```
java.lang.String getFilterReferenceStereotypeOfReferencedElements()
```

Returns the stereotype that was specified for the reference criterion that was defined.

Returns:

the stereotype that was specified for the reference criterion that was defined

Throws:

[RhapsodyRuntimeException](#)

getFilterReferenceTypeOfReferencedElements

```
java.lang.String getFilterReferenceTypeOfReferencedElements()
```

Returns the model element type that was specified for the reference criterion that was defined.

Returns:

the model element type that was specified for the reference criterion that was defined.

Throws:

[RhapsodyRuntimeException](#)

getFilterSearchInFields

```
IRPCollection getFilterSearchInFields()
```

Returns the list of element fields that the search is to be applied to.

Returns:

the list of element fields that the search is to be applied to. The collection returned will consist of constants defined in the class [IRPSearchQuery.SearchInField](#). For example, `IRPSearchQuery.SearchInField.NAME` for the name of the model element, and `IRPSearchQuery.SearchInField.DESCRPTION` for the description of the model element.

Throws:

[RhapsodyRuntimeException](#)

getFilterStereotypes

[IRPCollection](#) `getFilterStereotypes ()`

Returns the names of the stereotypes that were specified as search criteria.

Returns:

the names of the stereotypes that were specified as search criteria

Throws:

[RhapsodyRuntimeException](#)

getFilterSubQueries

[IRPCollection](#) `getFilterSubQueries ()`

Returns the subqueries that were specified for the search.

Returns:

the subqueries that were specified for the search

Throws:

[RhapsodyRuntimeException](#)

getFilterSubQueryUseWithNotOperator

`int getFilterSubQueryUseWithNotOperator (IRPTableLayout subQuery)`

Checks whether the NOT operator was specified for the specified subquery.

Parameters:

`subQuery` - the subquery to be checked

Returns:

1 if the NOT operator was specified for the subquery, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterTagFindAs

`char getFilterTagFindAs ()`

Returns the type of search that was specified for the tag name and tag value search criteria - regular text, wildcard, regular expression, or empty string.

Returns:

the type of search that was specified for the tag name and tag value search criteria - will be one of the constants defined in the class [SearchFindAsEnum](#), for example `SearchFindAsEnum.RP_SEARCH_WILDCARD` for a wildcard search or `SearchFindAsEnum.RP_SEARCH_REGEX` for a regular expression search.

Throws:

[RhapsodyRuntimeException](#)

getFilterTagMatchCase

```
int getFilterTagMatchCase()
```

Checks whether an exact match was specified for the tag name and tag value search criteria, in terms of upper and lower case.

Returns:

1 if an exact match was specified for the tag criteria in terms of upper and lower case, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterTagMatchWholeWord

```
int getFilterTagMatchWholeWord()
```

Checks whether a whole word match was specified for the tag name and tag value search criteria

Returns:

1 if whole word match was specified for the tag criteria, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterTagName

```
java.lang.String getFilterTagName()
```

Returns the tag name specified as a criterion for the search

Returns:

the tag name specified as a criterion for the search

Throws:

[RhapsodyRuntimeException](#)

getFilterTagValue

```
java.lang.String getFilterTagValue()
```

Returns the tag value specified as a criterion for the search

Returns:

the tag value specified as a criterion for the search

Throws:

getSearchScopeElements

[IRPCollection](#) `getSearchScopeElements ()`

Returns a collection of the model elements that constitute the scope for the search.

Returns:

the model elements that constitute the scope for the search

Throws:

[RhapsodyRuntimeException](#)

getView

[IRPModelElement](#) `getView (int Index)`

Retrieves the specified item from the list of tables, matrices, and diagrams that are to be searched.

Parameters:

`Index` - the index of the view to retrieve. Note that the index of the first view in the list is 0.

Returns:

the specified item from the list of tables, matrices, and diagrams that are to be searched

Throws:

[RhapsodyRuntimeException](#)

getViewCount

`int getViewCount ()`

Returns the number of views in the list of views that are to be searched.

Returns:

the number of views in the list of views that are to be searched

Throws:

[RhapsodyRuntimeException](#)

loadFromQuery

`void loadFromQuery (IRPTableLayout query)`

Loads the settings from the specified query into the search query object.

Parameters:

`query` - the query element whose settings should be loaded into the search query object

Throws:

[RhapsodyRuntimeException](#)

removeFilterElementTypes

```
void removeFilterElementTypes ()
```

Removes any element type filters that you defined to limit the search to certain element types. After calling this method, the search will be applied to all model element types.

Throws:

[RhapsodyRuntimeException](#)

removeFilterReferences

```
void removeFilterReferences ()
```

Removes reference search criterion that was defined for the search query.

Throws:

[RhapsodyRuntimeException](#)

removeFilterSearchInFields

```
void removeFilterSearchInFields ()
```

Removes any element field filters that you defined to limit the search to certain element fields, for example, model element descriptions. After calling this method, the search will be applied to all model element fields.

Throws:

[RhapsodyRuntimeException](#)

removeFilterStereotypes

```
void removeFilterStereotypes ()
```

Removes any stereotype filter that was defined to limit the search to model elements that have certain stereotypes applied to them.

Throws:

[RhapsodyRuntimeException](#)

removeFilterSubQueries

```
void removeFilterSubQueries ()
```

Removes the subquery criteria that were specified for the search.

Throws:

[RhapsodyRuntimeException](#)

removeFilterSubQuery

```
int removeFilterSubQuery(IRPTableLayout subQuery)
```

Removes the specified subquery from the search.

Parameters:

subQuery - the subquery that should be removed from the list of subqueries for the search

Throws:

[RhapsodyRuntimeException](#)

removeFilterTag

```
void removeFilterTag()
```

Removes the tag name and tag value criteria that were defined for the search query.

Throws:

[RhapsodyRuntimeException](#)

removeSearchScopeElement

```
int removeSearchScopeElement(IRPModelElement scopeElement)
```

Removes the specified model element from the scope for the search.

Parameters:

scopeElement - the model element that should be removed from the scope of the search

Throws:

[RhapsodyRuntimeException](#)

removeView

```
void removeView(int Index)
```

Removes the specified view from the list of views to be searched for the search text. This method can be used in conjunction with getViewCount and getView to loop through the views in the list and remove a specific one.

Parameters:

Index - the index of the view in the list of views to search

Throws:

[RhapsodyRuntimeException](#)

resetSearchScope

```
void resetSearchScope()
```

Resets the search scope to include the entire project, or all projects if multiple projects are open.

Throws:

[RhapsodyRuntimeException](#)

saveAsQuery

[IRPTableLayout](#) **saveAsQuery** ([IRPPackage](#) queryOwner)

Saves the search query object that you defined as a query in your model.

Parameters:

`queryOwner` - the model element under which the new query should be created

Returns:

the new query element that was created

Throws:

[RhapsodyRuntimeException](#)

setFilterReference

```
void setFilterReference(java.lang.String quantityOperator,  
                        int numberOfReferences,  
                        java.lang.String relationKind,  
                        java.lang.String typeOfReferencedElements,  
                        java.lang.String stereotypeOfReferencedElements,  
                        java.lang.String nameOfReferencedElements,  
                        int includeReferencedElementsInSearchResults)
```

Sets criteria for the search based on an element's references.

Parameters:

`quantityOperator` - if you are specifying a number of references as a criterion, use one of the values defined in [IRPSearchQuery.References.QuantityOperator](#) to specify whether the criterion should be exactly that number of references, less than that number, or more than that number

`numberOfReferences` - the number of references that should be used as a search criterion

`relationKind` - use one of the values defined in

[IRPSearchQuery.References.RelationKind](#) to specify the type of references that are to be used as a search criterion, for example, aggregates or incoming relations

`typeOfReferencedElements` - can be used to specify a model element type to further limit the reference criterion, for example, find model elements that have aggregates of type "Attribute". The strings to use for this parameter can be found in the file `metaclasses.txt` in the `Doc` directory of the Rhapsody installation. You can also use the names of any "new terms" in your project.

`stereotypeOfReferencedElements` - use this parameter to specify that the reference criterion should be limited to references to elements that have a specific stereotype applied to them

`nameOfReferencedElements` - use this parameter to specify that the reference criterion should be limited to references to elements with a specific name

`includeReferencedElementsInSearchResults` - use 1 to specify that the referenced elements included in the search criterion should also be displayed in the search results, 0 otherwise. For example, if you searched for classes that have aggregates of type "Attribute" with the stereotype Web Managed applied to them, and you used 1 for this parameter, the results will list the classes found as well as their attributes that have the Web Managed stereotype.

setFilterTag

```
void setFilterTag(java.lang.String tagName,  
                 java.lang.String tagValue,  
                 int matchCase,  
                 int matchWholeWord,  
                 char findAs)
```

Sets tag name and tag value criteria for the search query.

Parameters:

tagName - the text to use for the tag name criterion

tagValue - the text to use for the tag value criterion

matchCase - use 1 to require an exact match for the tag name and tag value search criteria, in terms of upper and lower case, use 0 otherwise

matchWholeWord - use 1 to require a whole word match for the tag name and tag value search criteria, use 0 otherwise

findAs - use one of the constants defined in the class [SearchFindAsEnum](#) to indicate the type of search that should be used for the tag name and tag value search criteria. For example, use SearchFindAsEnum.RP_SEARCH_WILDCARD for a wildcard search or SearchFindAsEnum.RP_SEARCH_REGEX for a regular expression search. If you want to search for elements that have an empty string for a tag value, use SearchFindAsEnum.RP_SEARCH_EMPTY_ONLY.

Throws:

[RhapsodyRuntimeException](#)

getFilterSubQueriesOperator

```
java.lang.String getFilterSubQueriesOperator()
```

Returns indication of how the specified subqueries are to be combined in the search

Returns:

indication of how the subqueries are to be combined in the search - will be one of the constants defined in the class [IRPSearchQuery.SubQueriesOperator](#), for example IRPSearchQuery.SubQueriesOperator.AND.

getFilterTagLocalOnly

```
int getFilterTagLocalOnly()
```

Checks whether the tag criterion set for a search is limited to only local tags

Returns:

1 if the tag criterion is limited to local tags only, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterUnitsOnly

```
int getFilterUnitsOnly ()
```

Checks whether the search is limited to model elements that are saved units.

Returns:

1 if the search is limited to saved units, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getFilterUnresolvedKind

```
java.lang.String getFilterUnresolvedKind ()
```

Returns the method that was specified for handling unresolved elements in the search. The value returned will be one of the constants from the class [IRPSearchQuery.UnresolvedKind](#).

Returns:

the method that was specified for handling unresolved elements in the search

getIncludeDescendants

```
int getIncludeDescendants ()
```

Checks whether the scope of the search is to include the descendants of the elements specified for the scope.

Returns:

1 if the scope of the search is to include the descendants of the elements specified for the scope, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

```
java.lang.String getInterfaceName ()
```

Returns the name of the interface (IRPSearchQuery).

Returns:

the name of the interface (IRPSearchQuery)

Throws:

[RhapsodyRuntimeException](#)

getMatchCase

```
int getMatchCase ()
```

Checks whether an exact match was specified for the query in terms of upper and lower case.

Returns:

1 if an exact match was specified in terms of upper and lower case, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getMatchSpecifiedCriteria

int `getMatchSpecifiedCriteria()`

Checks whether the query is to return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.

Returns:

1 if the query is to return the model elements that match the criteria specified, 0 if the query is to return the model elements that do not match the specified criteria

Throws:

[RhapsodyRuntimeException](#)

getMatchWholeWord

int `getMatchWholeWord()`

Checks whether a whole word match was specified for the search.

Returns:

1 if a whole word match was specified, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getSearchFindAsOption

char `getSearchFindAsOption()`

Returns the type of search that was specified for the search text - regular text, wildcard, regular expression, or empty string.

Returns:

the type of search that was specified for the search text - will be one of the constants defined in the class [SearchFindAsEnum](#), for example `SearchFindAsEnum.RP_SEARCH_WILDCARD` for a wildcard search or `SearchFindAsEnum.RP_SEARCH_REGEX` for a regular expression search.

Throws:

[RhapsodyRuntimeException](#)

getSearchScopeObject

[IRPModelElement](#) `getSearchScopeObject()`

Deprecated. *This method, used to return the scope specified for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to*

specify a list of such elements, you should use the method [getSearchScopeElements\(\)](#).

getSearchText

```
java.lang.String getSearchText()
```

Returns the text that was specified as the text to search for.

Returns:

the text to search for

Throws:

[RhapsodyRuntimeException](#)

getViewIncludeModelElements

```
int getViewIncludeModelElements()
```

Checks whether the query specifies that the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.

Returns:

1 if the query specified that the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getViewsToSearch

```
java.lang.String getViewsToSearch()
```

Returns indication of which views (diagrams, tables, and matrices) are supposed to be searched.

Returns:

indication of which views are supposed to be searched - will be one of the constants defined in the class [IRPSearchQuery.ViewsToSearch](#), for example `IRPSearchQuery.ViewsToSearch.OPEN`.

setFilterSubQueriesOperator

```
void setFilterSubQueriesOperator(java.lang.String filterSubQueriesOperator)
```

Specify how the various subqueries specified should be combined - as an AND operation or an OR operation

Parameters:

`filterSubQueriesOperator` - use one of the constants defined in the class [IRPSearchQuery.SubQueriesOperator](#) to indicate how the specified subqueries should be combined, for example `IRPSearchQuery.SubQueriesOperator.AND`

setFilterTagLocalOnly

```
void setFilterTagLocalOnly(int filterTagLocalOnly)
```

Specifies whether the tag criterion for a search should be limited to only local tags.

Parameters:

`filterTagLocalOnly` - use 1 to specify that the tag criterion should be limited to only local tags, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setFilterUnitsOnly

```
void setFilterUnitsOnly(int filterUnitsOnly)
```

Specifies whether the search should be limited to model elements that are saved units.

Parameters:

`filterUnitsOnly` - use 1 to specify that the search should be limited to model elements that are saved units, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setFilterUnresolvedKind

```
void setFilterUnresolvedKind(java.lang.String filterUnresolvedKind)
```

Specifies how unresolved elements should be handled in the search.

Parameters:

`filterUnresolvedKind` - how unresolved elements should be handled in the search. The value of the parameter should be one of the constants from the class

[IRPSearchQuery.UnresolvedKind](#).

setIncludeDescendants

```
void setIncludeDescendants(int includeDescendants)
```

Specifies whether the scope for the search should include the descendants of the elements specified for the scope, for example, the subpackages of a package that was added to the scope.

Parameters:

`includeDescendants` - use 1 if you want the search scope to include the descendants of the specified elements, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setMatchCase

```
void setMatchCase(int matchCase)
```

Specifies whether the search should require an exact match in terms of upper and lower case.

Parameters:

matchCase - use 1 to specify that an exact match is required in terms of upper and lower case, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setMatchSpecifiedCriteria

```
void setMatchSpecifiedCriteria(int matchSpecifiedCriteria)
```

Specifies whether the query should return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.

Parameters:

matchSpecifiedCriteria - use 1 if you want the query to return the model elements that match the criteria specified, use 0 if you want the query to return the model elements that do not match the criteria specified

Throws:

[RhapsodyRuntimeException](#)

setMatchWholeWord

```
void setMatchWholeWord(int matchWholeWord)
```

Specifies whether the search should require whole word matches.

Parameters:

matchWholeWord - use 1 to specify that a whole word match is required, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setSearchFindAsOption

```
void setSearchFindAsOption(char searchFindAsOption)
```

Sets the type of search that should be used for the search text - regular text, wildcard, regular expression, or empty string.

Parameters:

searchFindAsOption - use one of the constants defined in the class [SearchFindAsEnum](#) to indicate the type of search that should be used for the search text. For example, use SearchFindAsEnum.RP_SEARCH_WILDCARD for a wildcard search or SearchFindAsEnum.RP_SEARCH_REGEX for a regular expression search. If you want to search for elements that have an empty string in certain fields, use SearchFindAsEnum.RP_SEARCH_EMPTY_ONLY.

Throws:

setSearchScopeObject

```
void setSearchScopeObject (IRPModelElement searchScopeObject)
```

Deprecated. *This method, used to set the scope for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method*

[addSearchScope \(com.telelogic.rhapsody.core.IRPModelElement\)](#).

setSearchText

```
void setSearchText (java.lang.String searchText)
```

Specifies the text that should be searched for.

Parameters:

searchText - the text that should be searched for

Throws:

[RhapsodyRuntimeException](#)

setViewIncludeModelElements

```
void setViewIncludeModelElements (int viewIncludeModelElements)
```

Specifies whether the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.

Parameters:

viewIncludeModelElements - use 1 to specify that the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setViewsToSearch

```
void setViewsToSearch (java.lang.String viewsToSearch)
```

Specifies which views (tables, matrices, and diagrams) should be searched - all, none, all open, or just the views that were specified with the methods addDiagramToViewsList, addTableToViewsList, and addMatrixToViewsList.

Parameters:

viewsToSearch - use one of the constants defined in the class [IRPSearchQuery.ViewsToSearch](#) to indicate which views should be searched, for example [IRPSearchQuery.ViewsToSearch.ALL](#)

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class IRPSearchQuery.References

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.References

Enclosing interface:

[IRPSearchQuery](#)

```
public static final class IRPSearchQuery.References
extends java.lang.Object
```

Nested Class Summary

static class	IRPSearchQuery.References.QuantityOperator
static class	IRPSearchQuery.References.RelationKind

Constructor Summary

[IRPSearchQuery.References](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

IRPSearchQuery.References

public **IRPSearchQuery.References** ()

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com.telelogic.rhapsody.core Class IRPSearchQuery.References.QuantityOperator

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.References.QuantityOperator

Enclosing class:

[IRPSearchQuery.References](#)

```
public static final class IRPSearchQuery.References.QuantityOperator
extends java.lang.Object
```

Field Summary

static java.lang.String	EXACTLY
static java.lang.String	LESS THAN
static java.lang.String	MORE THAN

Constructor Summary

[IRPSearchQuery.References.QuantityOperator](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

MORE_THAN

```
public static final java.lang.String MORE_THAN
```

See Also:

[Constant Field Values](#)

LESS_THAN

```
public static final java.lang.String LESS_THAN
```

See Also:

[Constant Field Values](#)

EXACTLY

```
public static final java.lang.String EXACTLY
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.References.QuantityOperator

```
public IRPSearchQuery.References.QuantityOperator()
```

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com.telelogic.rhapsody.core Class IRPSearchQuery.References.RelationKind

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.References.RelationKind

Enclosing class:

[IRPSearchQuery.References](#)

```
public static final class IRPSearchQuery.References.RelationKind
extends java.lang.Object
```

Field Summary

static java.lang.String	AGGREGATE
static java.lang.String	DIAGRAM ELEMENT
static java.lang.String	INCOMING RELATION
static java.lang.String	OUTGOING RELATION
static java.lang.String	REFERENCE
static java.lang.String	UNDEFINED RELATION

Constructor Summary

[IRPSearchQuery.References.RelationKind\(\)](#)

Method Summary

Methods inherited from class java.lang.Object

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

UNDEFINED_RELATION

```
public static final java.lang.String UNDEFINED_RELATION
```

See Also:

[Constant Field Values](#)

INCOMING_RELATION

```
public static final java.lang.String INCOMING_RELATION
```

See Also:

[Constant Field Values](#)

OUTGOING_RELATION

```
public static final java.lang.String OUTGOING_RELATION
```

See Also:

[Constant Field Values](#)

AGGREGATE

```
public static final java.lang.String AGGREGATE
```

See Also:

[Constant Field Values](#)

REFERENCE

```
public static final java.lang.String REFERENCE
```

See Also:

[Constant Field Values](#)

DIAGRAM_ELEMENT

```
public static final java.lang.String DIAGRAM_ELEMENT
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.References.RelationKind

```
public IRPSearchQuery.References.RelationKind()
```

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com.telelogic.rhapsody.core Class IRPSearchQuery.SearchInField

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.SearchInField

Enclosing interface:

[IRPSearchQuery](#)

```
public static final class IRPSearchQuery.SearchInField
extends java.lang.Object
```

Constant values used with elements of this type

Field Summary	
static java.lang.String	COMMENT SPECIFICATION
static java.lang.String	CONFIGURATION INITIALIZATION
static java.lang.String	CONSTRAINT SPECIFICATION
static java.lang.String	DESCRIPTIONS
static java.lang.String	ENUMERATION LITERAL VALUE
static java.lang.String	GROUP ALL
static java.lang.String	GROUP CODE
static java.lang.String	GROUP ELEMENT NAME
static java.lang.String	GROUP OTHER TEXT
static java.lang.String	INITIAL VALUE

Field Summary

static java.lang.String	LABEL
static java.lang.String	LOCALLY OVERRIDDEN PROPERTY
static java.lang.String	MULTIPLICITY
static java.lang.String	NAME
static java.lang.String	NOTES AND TEXT
static java.lang.String	OPERATION BODIES
static java.lang.String	REQUIREMENT ID
static java.lang.String	REQUIREMENT SPECIFICATION
static java.lang.String	STEREOTYPE
static java.lang.String	TAG VALUE
static java.lang.String	TEXT FRAGMENT
static java.lang.String	TRANSITION LABEL
static java.lang.String	TYPE DECLARATIONS AND REFERENCES

Constructor Summary

[IRPSearchQuery.SearchInField\(\)](#)

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

OPERATION_BODIES

```
public static final java.lang.String OPERATION_BODIES
```

See Also:

[Constant Field Values](#)

TRANSITION_LABEL

```
public static final java.lang.String TRANSITION_LABEL
```

See Also:

[Constant Field Values](#)

TAG_VALUE

```
public static final java.lang.String TAG_VALUE
```

See Also:

[Constant Field Values](#)

TYPE_DECLARATIONS_AND_REFERENCES

```
public static final java.lang.String TYPE_DECLARATIONS_AND_REFERENCES
```

See Also:

[Constant Field Values](#)

CONFIGURATION_INITIALIZATION

```
public static final java.lang.String CONFIGURATION_INITIALIZATION
```

See Also:

[Constant Field Values](#)

MULTIPLICITY

```
public static final java.lang.String MULTIPLICITY
```

See Also:

[Constant Field Values](#)

LOCALLY_OVERRIDDEN_PROPERTY

```
public static final java.lang.String LOCALLY_OVERRIDDEN_PROPERTY
```

See Also:

[Constant Field Values](#)

DESCRIPTIONS

```
public static final java.lang.String DESCRIPTIONS
```

See Also:

[Constant Field Values](#)

COMMENT_SPECIFICATION

```
public static final java.lang.String COMMENT_SPECIFICATION
```

See Also:

[Constant Field Values](#)

CONSTRAINT_SPECIFICATION

```
public static final java.lang.String CONSTRAINT_SPECIFICATION
```

See Also:

[Constant Field Values](#)

REQUIREMENT_SPECIFICATION

```
public static final java.lang.String REQUIREMENT_SPECIFICATION
```

See Also:

[Constant Field Values](#)

NOTES_AND_TEXT

```
public static final java.lang.String NOTES_AND_TEXT
```

See Also:

[Constant Field Values](#)

LABEL

```
public static final java.lang.String LABEL
```

See Also:

[Constant Field Values](#)

INITIAL_VALUE

```
public static final java.lang.String INITIAL_VALUE
```

See Also:

[Constant Field Values](#)

ENUMERATION_LITERAL_VALUE

```
public static final java.lang.String ENUMERATION_LITERAL_VALUE
```

See Also:

[Constant Field Values](#)

REQUIREMENT_ID

```
public static final java.lang.String REQUIREMENT_ID
```

See Also:

[Constant Field Values](#)

NAME

```
public static final java.lang.String NAME
```

See Also:

[Constant Field Values](#)

TEXT_FRAGMENT

```
public static final java.lang.String TEXT_FRAGMENT
```

See Also:

[Constant Field Values](#)

STEREOTYPE

```
public static final java.lang.String STEREOTYPE
```

See Also:

[Constant Field Values](#)

GROUP_ELEMENT_NAME

```
public static final java.lang.String GROUP_ELEMENT_NAME
```

See Also:

[Constant Field Values](#)

GROUP_CODE

```
public static final java.lang.String GROUP_CODE
```

See Also:

[Constant Field Values](#)

GROUP_OTHER_TEXT

```
public static final java.lang.String GROUP_OTHER_TEXT
```

See Also:

[Constant Field Values](#)

GROUP_ALL

```
public static final java.lang.String GROUP_ALL
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.SearchInField

```
public IRPSearchQuery.SearchInField()
```

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com.telelogic.rhapsody.core Class IRPSearchQuery.SubQueriesOperator

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.SubQueriesOperator

Enclosing interface:

[IRPSearchQuery](#)

```
public static final class IRPSearchQuery.SubQueriesOperator
extends java.lang.Object
```

Field Summary

static java.lang.String	AND
static java.lang.String	OR

Constructor Summary

[IRPSearchQuery.SubQueriesOperator](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

AND

```
public static final java.lang.String AND
```

See Also:

[Constant Field Values](#)

OR

```
public static final java.lang.String OR
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.SubQueriesOperator

```
public IRPSearchQuery.SubQueriesOperator()
```

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com.telelogic.rhapsody.core Class IRPSearchQuery.UnresolvedKind

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.UnresolvedKind

Enclosing interface:

[IRPSearchQuery](#)

```
public static final class IRPSearchQuery.UnresolvedKind
extends java.lang.Object
```

Field Summary

static java.lang.String	IGNORE UNRESOLVED
static java.lang.String	ONLY UNRESOLVED OR UNLOADED
static java.lang.String	SHOW UNRESOLVED

Constructor Summary

[IRPSearchQuery.UnresolvedKind](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

IGNORE_UNRESOLVED

```
public static final java.lang.String IGNORE_UNRESOLVED
```

See Also:

[Constant Field Values](#)

SHOW_UNRESOLVED

```
public static final java.lang.String SHOW_UNRESOLVED
```

See Also:

[Constant Field Values](#)

ONLY_UNRESOLVED_OR_UNLOADED

```
public static final java.lang.String ONLY_UNRESOLVED_OR_UNLOADED
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.UnresolvedKind

```
public IRPSearchQuery.UnresolvedKind()
```

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com.telelogic.rhapsody.core Class IRPSearchQuery.ViewsToSearch

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPSearchQuery.ViewsToSearch

Enclosing interface:

[IRPSearchQuery](#)

```
public static final class IRPSearchQuery.ViewsToSearch
extends java.lang.Object
```

Field Summary

static java.lang.String	ALL
static java.lang.String	DETAILED
static java.lang.String	NONE
static java.lang.String	OPEN

Constructor Summary

[IRPSearchQuery.ViewsToSearch](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

NONE

```
public static final java.lang.String NONE
```

See Also:

[Constant Field Values](#)

OPEN

```
public static final java.lang.String OPEN
```

See Also:

[Constant Field Values](#)

ALL

```
public static final java.lang.String ALL
```

See Also:

[Constant Field Values](#)

DETAILED

```
public static final java.lang.String DETAILED
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPSearchQuery.ViewsToSearch

```
public IRPSearchQuery.ViewsToSearch()
```

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com.telelogic.rhapsody.core Interface IRPSearchResult

```
public interface IRPSearchResult
```

Method Summary

java.lang.String	getInterfaceName () get property interfaceName
java.lang.String	getMatchedField () get property matchedField
IRPCollection	getMatchedFields () get property matchedFields
IRPModelElement	getMatchedObject () get property matchedObject
java.lang.String	getName () get property name

Method Detail

getInterfaceName

```
java.lang.String getInterfaceName ()
```

get property interfaceName

Throws:

[RhapsodyRuntimeException](#)

getMatchedField

```
java.lang.String getMatchedField ()
```

get property matchedField

Throws:

[RhapsodyRuntimeException](#)

getMatchedFields

[IRPCollection](#) `getMatchedFields()`

get property matchedFields

Throws:

[RhapsodyRuntimeException](#)

getMatchedObject

[IRPModelElement](#) `getMatchedObject()`

get property matchedObject

Throws:

[RhapsodyRuntimeException](#)

getName

`java.lang.String` `getName()`

get property name

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPSelection

```
public interface IRPSelection
```

The IRPSelection interface contains methods for cutting, copying, pasting, and deleting graphic elements on diagrams.

Method Summary

int	canCopy () Checks whether the current selection can be copied.
int	canCut () Checks whether the current selection can be cut.
int	canDelete () Checks whether the current selection can be deleted.
int	canPaste () Checks whether the item in the clipboard can be pasted to the diagram that has the focus.
int	copySelected () Copies the currently selected graphic element.
int	cutSelected () Cuts the currently selected graphic element.
int	deleteSelected () Deletes the currently selected graphic element.
java.lang.String	getInterfaceName () Returns the name of the API interface corresponding to the object it is called on, for example, IRPClass for a class element, IRPOperation for an operation element.
int	pasteSelected () Pastes the item in the clipboard to the diagram that has the focus.

Method Detail

canCopy

int canCopy()

Checks whether the current selection can be copied.

Returns:

1 if the current selection can be copied, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

canCut

int canCut()

Checks whether the current selection can be cut.

Returns:

1 if the current selection can be cut, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

canDelete

int canDelete()

Checks whether the current selection can be deleted.

Returns:

1 if the current selection can be deleted, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

canPaste

int canPaste()

Checks whether the item in the clipboard can be pasted to the diagram that has the focus.

Returns:

1 if the item in the clipboard can be pasted to the diagram that has the focus, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

copySelected

int copySelected()

Copies the currently selected graphic element.

Returns:

1 if the copy operation was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#) -

```
// code sample for copying and pasting graphic element on diagram
IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
IRPProject activeProject = app.activeProject();
IRPObjectModelDiagram sourceDiagram = activeProject.addObjectModelDiagram("sourceDiagram");
IRPObjectModelDiagram targetDiagram = activeProject.addObjectModelDiagram("targetDiagram");

IRPPackage sourcePackage = activeProject.addPackage("SourcePackage");
IRPClass classToCopy = sourcePackage.addClass("ClassToCopy");

sourceDiagram.openDiagram();
IRPGraphNode nodeForClassToCopy = sourceDiagram.addNewNodeForElement(classToCopy, 30, 30, 200, 200);
activeProject.save();

IRPCollection elementsToSelect = app.createNewCollection();
elementsToSelect.addGraphicalItem(nodeForClassToCopy);
app.selectGraphElements(elementsToSelect);
IRPSelection selectedItem = app.getSelection();

app.clearOutputWindow("Log");

if (selectedItem.canCopy()==1) {
    app.writeToOutputWindow("Log", "can be copied\n");
    selectedItem.copySelected();
}

targetDiagram.openDiagram();

if (selectedItem.canPaste()==1) {
    app.writeToOutputWindow("Log", "can be pasted to diagram with focus\n");
    selectedItem.pasteSelected();
}
```

cutSelected

```
int cutSelected()
```

Cuts the currently selected graphic element.

Returns:

1 if the cut operation was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

deleteSelected

```
int deleteSelected()
```

Deletes the currently selected graphic element.

Returns:

1 if the delete operation was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getInterfaceName

```
java.lang.String getInterfaceName()
```

Returns the name of the API interface corresponding to the object it is called on, for example, IRPClass for a class element, IRPOperation for an operation element.

Returns:

the name of the API interface corresponding to the object it is called on

Throws:

[RhapsodyRuntimeException](#)

pasteSelected

```
int pasteSelected()
```

Pastes the item in the clipboard to the diagram that has the focus.

Returns:

1 if the paste operation was successful, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPSendAction

All Superinterfaces:

[IRPAction](#), [IRPModelElement](#)

```
public interface IRPSendAction
extends IRPAction
```

The IRPSendAction interface represents Send Action elements in an activity or statechart. To add a SendAction element, use addState to add a new state, and then call the method setStateType on the state you created, using "EventState" as the argument, for example:

```
IRPState sendActionState = activity_1.getRootState().addState("send_action");
sendActionState.setStateType("EventState");
```

After creating the send action state, you get the send action element as follows:

```
IRPSendAction sendActionElement = sendActionState.getSendAction();
IRPEvent eventA = cameraPackage.addEvent("event_A");
sendActionElement.setEvent(eventA);
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addArgumentValue (java.lang.String value, int position) Provides an argument value for an argument of the event associated with the Send Action element.
IRPCollection	getArgVals () Returns a collection of the argument values that were set for the event associated with the Send Action element.
IRPEvent	

Method Summary

	getEvent () Gets the event sent by the Send Action element.
IRPInterfaceItem	getInvokedOperation () Returns the IRPInterfaceItem element that is invoked by the Send Action element.
IRPModelElement	getTarget () Gets the event target of the Send Action element.
void	setEvent (IRPEvent event) Specifies the event sent by the Send Action element.
void	setInvokedOperation (IRPInterfaceItem invokedOperation) set property invokedOperation
void	setTarget (IRPModelElement target) Sets the specified model element to be the target of the Send Action element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPAction](#)

[getBody](#), [setBody](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addArgumentValue

```
void addArgumentValue (java.lang.String value,  
                      int position)
```

Provides an argument value for an argument of the event associated with the Send Action element.

Parameters:

`value` - the value to use for the argument, expressed as a string

`position` - the position of the argument in the argument list (starts at 1)

getArgVals

```
IRPCollection getArgVals ()
```

Returns a collection of the argument values that were set for the event associated with the Send Action element. The collection consists of strings representing the argument values.

Returns:

the argument values that were set for the event associated with the Send Action element

getEvent

```
IRPEvent getEvent ()
```

Gets the event sent by the Send Action element.

Returns:

the event sent by the Send Action element

getInvokedOperation

```
IRPInterfaceItem getInvokedOperation ()
```

Returns the IRPInterfaceItem element that is invoked by the Send Action element.

Returns:

the IRPInterfaceItem element that is invoked by the Send Action element

getTarget

```
IRPModelElement getTarget ()
```

Gets the event target of the Send Action element.

Returns:

the target of the Send Action element

setEvent

```
void setEvent(IRPEvent event)
```

Specifies the event sent by the Send Action element.

Parameters:

event - the event that should be sent by the Send Action element

setInvokedOperation

```
void setInvokedOperation(IRPInterfaceItem invokedOperation)
```

set property invokedOperation

Throws:

[RhapsodyRuntimeException](#)

setTarget

```
void setTarget(IRPModelElement target)
```

Sets the specified model element to be the target of the Send Action element.

Parameters:

target - the model element that should be used as the target of the Send Action element

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com.telelogic.rhapsody.core Interface IRPSequenceDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPTimingDiagram](#)

```
public interface IRPSequenceDiagram
extends IRPDiagram
```

The IRPSequenceDiagram interface represents sequence diagrams in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollaboration	getLogicalCollaboration () Returns the IRPCollaboration object underlying the sequence diagram.
IRPCollection	getRelatedUseCases () For internal use only.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getLogicalCollaboration**

[IRPCollaboration](#) `getLogicalCollaboration()`

Returns the IRPCollaboration object underlying the sequence diagram.

Returns:

the IRPCollaboration object underlying the sequence diagram

getRelatedUseCases

[IRPCollection](#) `getRelatedUseCases()`

For internal use only.

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com.telelogic.rhapsody.core Interface IRPState

All Superinterfaces:

[IRPModelElement](#), [IRPStateVertex](#)

All Known Subinterfaces:

[IRPAcceptEventAction](#), [IRPAcceptTimeEvent](#), [IRPCallOperation](#), [IRPObjectNode](#)

```
public interface IRPState
extends IRPStateVertex
```

The IRPState interface represents states in a statechart.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPState	addActivityFinal () Adds an ActivityFinal element to an Activity.
IRPConnector	addConnector (java.lang.String type) Adds a connector element of the specified type to the state.
IRPTransition	addInternalTransition (IRPInterfaceItem trigger) method addInternalTransition
IRPState	addState (java.lang.String name) Adds a new substate to this state.
IRPTransition	addStaticReaction (IRPInterfaceItem trigger) Adds an internal transition to the state.
IRPState	addTerminationState () Adds a termination state to a statechart.
IRPTransition	createDefaultTransition (IRPState from) Creates a default transition within the state.

Method Summary	
IRPStatechart	createNestedStatechart () Creates a sub-statechart for the state.
void	deleteConnector (IRPConnector connector) Deletes the specified connector element.
void	deleteInternalTransition (IRPTransition pVal) method deleteInternalTransition
void	deleteStaticReaction (IRPTransition pVal) Deletes the specified internal transition.
IRPTransition	getDefaultTransition () Returns the default transition within the state.
java.lang.String	getEntryAction () Returns the entry action that was defined for the state.
java.lang.String	getExitAction () Returns the exit action that was defined for the state.
java.lang.String	getFullNameInStatechart () Returns the full name of the state within the statechart, including information about its hierarchical position within the statechart.
IRPState	getInheritsFrom () Returns the corresponding state from the statechart of the class that this class is derived from.
IRPCollection	getInternalTransitions () Returns a collection of the state's internal transitions.
int	getIsOverridden () Checks whether there is still an inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.
int	getIsReferenceActivity () Checks whether this element is a call behavior element.
IRPStatechart	getItsStatechart () Returns the statechart that this state belongs to.
IRPSwimlane	getItsSwimlane () Returns the swimlane that the action is located in.
IRPCollection	getLogicalStates () Returns a collection of all the substates of the current state and all the first-level substates of those states, meaning down to the second level.
IRPStatechart	getNestedStatechart () Returns the state's sub-statechart.
IRPModelElement	getReferenceToActivity () For call behavior elements, returns the activity that is referenced.
IRPSendAction	getSendAction ()

Method Summary	
	Returns the Send Action element associated with the state.
java.lang.String	getStateType () Returns the type of the state, for example, an And state or a Termination state.
IRPCollection	getStaticReactions () Returns a collection of the state's internal transitions.
IRPCollection	getSubStates () Returns a collection of the substates contained in this state.
IRPCollection	getSubStateVertices () Returns a collection of all the first-level elements contained in this state - this includes both node elements and connector elements.
IRPAction	getTheEntryAction () method getTheEntryAction
IRPAction	getTheExitAction () method getTheExitAction
int	isAnd () Checks whether the state contains one or more And Lines.
int	isCompound () Checks whether the state is a compound state, meaning a state that contains one or more substates.
int	isLeaf () Checks whether the state is a leaf state, meaning a state that does not contain any substates.
int	isRoot () Checks whether the state is the root state of the statechart.
int	isSendActionState () Checks whether the state is a Send Action element.
void	overrideInheritance () Breaks the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.
IRPState	resetEntryActionInheritance () Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the entry action.
IRPState	resetExitActionInheritance () Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the exit action.
void	setEntryAction (java.lang.String entryAction) Sets the entry action for the state.
void	setExitAction (java.lang.String exitAction) Sets the exit action for the state.

Method Summary

void	setInternalTransition (java.lang.String trigVal, java.lang.String guardVal, java.lang.String actionVal) method setInternalTransition
void	setItsSwimlane (IRPSwimlane itsSwimlane) Specifies the swimlane that the action should be in
void	setReferenceToActivity (IRPModelElement referenceToActivity) For call behavior elements, sets the activity that is referenced by the element.
void	setStateType (java.lang.String stateType) Specifies the type of the state
void	setStaticReaction (java.lang.String trigVal, java.lang.String guardVal, java.lang.String actionVal) Adds a new internal transition to the state.
void	unoverrideInheritance () Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

[addFlow](#), [addTransition](#), [deleteTransition](#), [getInTransitions](#), [getOutTransitions](#), [getParent](#), [setParent](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addActivityFinal

[IRPState](#) `addActivityFinal()`

Adds an ActivityFinal element to an Activity. This method should be called on the root state of the diagram, which you can get by calling `IRPStatechart.getRootState()`.

Returns:

the ActivityFinal element that was created

addConnector

[IRPConnector](#) `addConnector(java.lang.String type)`

Adds a connector element of the specified type to the state.

Parameters:

`type` - the type of connector that should be added - the valid values for this parameter are: Condition, Fork, History, Join, Termination, InPin, OutPin, InOutPin

Returns:

the connector element that was created

addInternalTransition

[IRPTransition](#) `addInternalTransition(IRPInterfaceItem trigger)`

method `addInternalTransition`

Throws:

[RhapsodyRuntimeException](#)

addState

[IRPState](#) `addState(java.lang.String name)`

Adds a new substate to this state. If you want to add a new top-level state to your statechart, you can call this method on the root state of the statechart, which you can get by calling `IRPStatechart.getRootState()`.

Parameters:

`name` - the name to use for the new state

Returns:

the state created

addStaticReaction

[IRPTransition](#) addStaticReaction([IRPInterfaceItem](#) trigger)

Adds an internal transition to the state.

Parameters:

trigger - the trigger to use for the internal transition

Returns:

the internal transition that was created

addTerminationState

[IRPState](#) addTerminationState()

Adds a termination state to a statechart. This method should be called on the root state of the statechart, which you can get by calling IRPStatechart.getRootState().

Returns:

the termination state that was created

createDefaultTransition

[IRPTransition](#) createDefaultTransition([IRPState](#) from)

Creates a default transition within the state.

Parameters:

from - the substate that the default transition should lead to

Returns:

the default transition that was created

createNestedStatechart

[IRPStatechart](#) createNestedStatechart()

Creates a sub-statechart for the state.

Returns:

the sub-statechart created

deleteConnector

void deleteConnector([IRPConnector](#) connector)

Deletes the specified connector element.

Parameters:

connector - the connector element that should be deleted

deleteInternalTransition

void **deleteInternalTransition**([IRPTransition](#) pVal)

method deleteInternalTransition

Throws:

[RhapsodyRuntimeException](#)

deleteStaticReaction

void **deleteStaticReaction**([IRPTransition](#) pVal)

Deletes the specified internal transition.

Parameters:

pVal - the internal transition that should be deleted

getDefaultTransition

[IRPTransition](#) **getDefaultTransition**()

Returns the default transition within the state.

Returns:

the default transition within the state

getEntryAction

java.lang.String **getEntryAction**()

Returns the entry action that was defined for the state.

Returns:

the entry action that was defined for the state

getExitAction

java.lang.String **getExitAction**()

Returns the exit action that was defined for the state.

Returns:

the exit action that was defined for the state

getFullNameInStatechart

java.lang.String **getFullNameInStatechart**()

Returns the full name of the state within the statechart, including information about its hierarchical position within the statechart. For example, if your statechart includes a state called Listening within a top-level state called On, the full name would be ROOT.On.Listening.

Returns:

the full name of the state within the statechart

getInheritsFrom

[IRPState](#) `getInheritsFrom()`

Returns the corresponding state from the statechart of the class that this class is derived from.

Returns:

the corresponding state from the statechart of the class that this class is derived from

getInternalTransitions

[IRPCollection](#) `getInternalTransitions()`

Returns a collection of the state's internal transitions.

Returns:

the state's internal transitions

```
IRPStatechart cameraStatechart = cameraClass.addStatechart();
IRPEvent trig_for_internal = cameraPackage.addEvent("trigger_internal");
IRPEvent trig_for_internal2 = cameraPackage.addEvent("trigger_internal2");
IRPState stateOne = cameraStatechart.getRootState().addState("state_one");
stateOne.addInternalTransition(trig_for_internal);
stateOne.addInternalTransition(trig_for_internal2);
// now, get and print out the state's internal transitions
IRPCollection allInternalTransitions = stateOne.getInternalTransitions();
IRPTransition currentTransition;
int numberOfInternalTransitions = allInternalTransitions.getCount();
for(int i = 1; i < numberOfInternalTransitions+1; i++) {
    currentTransition = (IRPTransition)allInternalTransitions.getItem(i);
    System.out.println(currentTransition.getDisplayName());
}
```

getIsOverridden

`int getIsOverridden()`

Checks whether there is still an inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.

Returns:

1 if the inheritance relationship is overridden, 0 if there is an inheritance relationship

getIsReferenceActivity

`int getIsReferenceActivity()`

Checks whether this element is a call behavior element. Note that the Rhapsody API does not provide a method to change an existing IRPState element to a call behavior element. The only way to create a call behavior element is to call the method IRPFlowchart.addCallBehavior or IRPFlowchart.addReferenceActivity.

Returns:

1 if the element is a call behavior element, 0 if it is not

getItsStatechart

[IRPStatechart](#) `getItsStatechart()`

Returns the statechart that this state belongs to.

Returns:

the statechart that this state belongs to

getItsSwimlane

[IRPSwimlane](#) `getItsSwimlane()`

Returns the swimlane that the action is located in.

Returns:

the swimlane that the action is located in

getLogicalStates

[IRPCollection](#) `getLogicalStates()`

Returns a collection of all the substates of the current state and all the first-level substates of those states, meaning down to the second level.

Returns:

a collection of all the substates of the current state and all the first-level substates of those states

getNestedStatechart

[IRPStatechart](#) `getNestedStatechart()`

Returns the state's sub-statechart.

Returns:

the state's sub-statechart

getReferenceToActivity

[IRPModelElement](#) `getReferenceToActivity()`

For call behavior elements, returns the activity that is referenced.

Returns:

the activity that is referenced

getSendAction

[IRPSendAction](#) `getSendAction()`

Returns the Send Action element associated with the state. In the context of the API, a Send Action element is an object of type IRPState for which the state type was set to "EventState" using the `setStateType` method. In order to manipulate a Send Action element, for example, to set the event for the Send Action, you must first get the Second Action element using the method `getSendAction`.

Returns:

the Send Action element associated with the state

```
IRPState sendActionState = testfc.getRootState().addState("send_action");
sendActionState.setStateType("EventState");
IRPSendAction sendActionElement = sendActionState.getSendAction();
IRPEvent eventA = cameraPackage.addEvent("event_A");
sendActionElement.setEvent(eventA);
```

getStateType

`java.lang.String` `getStateType()`

Returns the type of the state, for example, an And state or a Termination state. For the full list of state types, see the documentation for the operation `setStateType`.

Returns:

the state's type

getStaticReactions

[IRPCollection](#) `getStaticReactions()`

Returns a collection of the state's internal transitions.

Returns:

the state's internal transitions

getSubStateVertices

[IRPCollection](#) `getSubStateVertices()`

Returns a collection of all the first-level elements contained in this state - this includes both node elements and connector elements. The method does not return elements nested within these first-level elements.

Returns:

a collection of all the first-level elements contained in this state

getSubStates

[IRPCollection](#) `getSubStates()`

Returns a collection of the substates contained in this state. Note that this will not work if a state contains a sub-statechart. In such a case, you would have to use code that resembles the following:

```
IRPState parentState = (IRPState)currentProject.findNestedElementRecursive("busy", "Sta
IRPState topLevelStateInSubchart = (IRPState)(parentState.getNestedStatechart().getRoot
IRPCollection substates = topLevelStateInSubchart.getSubStates();
```

Returns:

the substates contained in this state (collection of IRPState objects)

getTheEntryAction

[IRPAction](#) `getTheEntryAction()`

method `getTheEntryAction`

Throws:

[RhapsodyRuntimeException](#)

getTheExitAction

[IRPAction](#) `getTheExitAction()`

method `getTheExitAction`

Throws:

[RhapsodyRuntimeException](#)

isAnd

int `isAnd()`

Checks whether the state contains one or more And Lines.

Returns:

1 if the state contains one or more And Lines, 0 otherwise.

isCompound

```
int isCompound()
```

Checks whether the state is a compound state, meaning a state that contains one or more substates.

Returns:

1 if the state is a compound state, 0 otherwise

isLeaf

```
int isLeaf()
```

Checks whether the state is a leaf state, meaning a state that does not contain any substates.

Returns:

1 if the state is a leaf state, 0 if the state contains one or more substates.

isRoot

```
int isRoot()
```

Checks whether the state is the root state of the statechart.

Returns:

1 if the state is the root state of the statechart, 0 otherwise

isSendActionState

```
int isSendActionState()
```

Checks whether the state is a Send Action element.

Returns:

1 if it is a Send Action element, 0 otherwise

overrideInheritance

```
void overrideInheritance()
```

Breaks the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.

resetEntryActionInheritance

```
IRPState resetEntryActionInheritance()
```

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the entry action.

Returns:

the state on which the method was called (sic)

resetExitActionInheritance

[IRPState](#) `resetExitActionInheritance()`

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the exit action.

Returns:

the state on which the method was called (sic)

setEntryAction

void `setEntryAction`(java.lang.String entryAction)

Sets the entry action for the state.

Parameters:

entryAction - the code to use for the state's entry action

setExitAction

void `setExitAction`(java.lang.String exitAction)

Sets the exit action for the state.

Parameters:

exitAction - the code to use for the state's exit action

setInternalTransition

```
void setInternalTransition(java.lang.String trigVal,  
                           java.lang.String guardVal,  
                           java.lang.String actionVal)
```

method setInternalTransition

Throws:

[RhapsodyRuntimeException](#)

setItsSwimlane

void `setItsSwimlane`([IRPSwimlane](#) itsSwimlane)

Specifies the swimlane that the action should be in

Parameters:

itsSwimlane - the swimlane that the action should be in

setReferenceToActivity

```
void setReferenceToActivity(IRPModelElement referenceToActivity)
```

For call behavior elements, sets the activity that is referenced by the element.

Parameters:

`referenceToActivity` - the activity that should be referenced by the call behavior element

setStateType

```
void setStateType(java.lang.String stateType)
```

Specifies the type of the state

Parameters:

`stateType` - the type of the state. The valid strings for this parameter are: "And", "Or" (for a state that is not an "And" state), "LocalTermination" (for Termination State), "Block" (for Action Block), "Action", "SubActivity", "EventState" (for Send Action), and "FlowFinal"

setStaticReaction

```
void setStaticReaction(java.lang.String trigVal,  
                      java.lang.String guardVal,  
                      java.lang.String actionVal)
```

Adds a new internal transition to the state.

Parameters:

`trigVal` - the trigger to set for the internal transition
`guardVal` - the guard to set for the internal transition
`actionVal` - the action to set for the internal transition

unoverrideInheritance

```
void unoverrideInheritance()
```

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from. This method is used to restore the relationship that was severed with the method `overrideInheritance()`.

[Package](#) [Class](#) [Use](#) [Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)

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SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.telelogic.rhapsody.core Interface IRPStatechart

All Superinterfaces:

[IRPClass](#), [IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPFlowchart](#)

```
public interface IRPStatechart
extends IRPClass
```

The IRPStatechart interface represents the statechart elements underlying a statechart. The statechart itself is represented by the IRPStatechartDiagram interface. You can create an IRPStatechart object with the method IRPClass.addStatechart().

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPGraphElement	<p>addFreeShapeByType (java.lang.String metaType, IRPCollection xPoints, IRPCollection yPoints)</p> <p>Adds a free shape of the type specified, using the x coordinates and y coordinates provided.</p>
IRPGraphElement	<p>addImage (java.lang.String filename, int xPosition, int yPosition, int nWidth, int nHeight)</p> <p>Adds an image to the statechart, using the specified file, starting point, width, and height.</p>
IRPGraphEdge	<p>addNewEdgeByType (java.lang.String metaType, IRPGraphElement src, int xSrcPosition, int ySrcPosition, IRPGraphElement trg, int xTrgPosition, int yTrgPosition)</p> <p>Adds a connector element of the specified type to the statechart, using the source and target elements specified.</p>
IRPGraphEdge	<p>addNewEdgeForElement (IRPModelElement element, IRPGraphNode src, int xSrcPosition, int ySrcPosition, IRPGraphNode trg,</p>

Method Summary	
	int xTrgPosition, int yTrgPosition) Adds a connector graphical element to the statechart to represent the specified model element.
IRPGraphNode	addNewNodeByType (java.lang.String metaType, int xPosition, int yPosition, int nWidth, int nHeight) Adds a statechart element of the specified type to the statechart, using the position and dimensions specified.
IRPGraphNode	addNewNodeForElement (IRPModelElement element, int xPosition, int yPosition, int nWidth, int nHeight) Adds a graphical element to the statechart to represent the specified model element.
IRPGraphElement	addTextBox (java.lang.String text, int xPosition, int yPosition, int nWidth, int nHeight) Adds a text box using the specified text, starting point, width, and height.
void	closeDiagram () Closes the statechart.
void	createGraphics () Creates the graphical representation of the elements in the statechart.
void	deleteState (IRPState state) Deletes the specified state from the statechart.
int	findTrigger (IRPInterfaceItem item) Checks whether the specified IRPInterfaceItem element serves as the trigger of a transition in the statechart.
IRPCollection	getAllTriggers () Returns a collection of all the triggers in the statechart
IRPCollection	getElementsInDiagram () Returns a collection of all of the elements in the statechart.
IRPCollection	getGraphicalElements () Returns a collection of all the graphical elements in the statechart.
IRPStatechart	getInheritsFrom () Returns the statechart of the base class of this class.
int	getIsMainBehavior () Checks whether the statechart is the main behavior for the class.
int	getIsOverridden () Checks whether the inheritance relationship between this statechart and the statechart of the base class was overridden.
IRPClassifier	getItsClass () Returns the class that the statechart is associated with.
void	getPicture (java.lang.String filename) Saves the statechart as an emf format file, using the path and filename provided as a parameter.

Method Summary

IRPCollection	getPictureAs (java.lang.String firstFileName, java.lang.String imageFormat, int getImageMaps, IRPCollection diagrammap) Saves the statechart in the specified graphic format, breaking the diagram into a number of files if necessary.
IRPCollection	getPictureAsDividedMetafiles (java.lang.String firstFileName) Saves the statechart as an emf format file, breaking the diagram into a number of such files if necessary.
IRPCollection	getPicturesWithImageMap (java.lang.String firstFileName, IRPCollection diagrammap) Saves the statechart as an emf format file, breaking the diagram into a number of files if necessary.
IRPState	getRootState () Returns the root state of the statechart.
IRPStatechartDiagram	getStatechartDiagram () Returns the IRPStatechartDiagram object associated with the statechart.
IRPAXViewCtrl	openDiagramView () Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).
void	overrideInheritance () Breaks the inheritance relationship between this statechart and the statechart of the base class.
void	populateDiagram (IRPCollection elementsToPopulate, IRPCollection relationsTypes, java.lang.String createContent) Populates the statechart with the elements and types of relations specified.
void	setAsMainBehavior () Specifies that this statechart should be the main behavior for the class.
void	setShowDiagramFrame (int bShow) Shows/hides the diagram frame.
void	unoverrideInheritance () Restores the inheritance relationship between this statechart and the statechart of the base class.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClass](#)

[addClass](#), [addConstructor](#), [addDestructor](#), [addEventReception](#), [addEventReceptionWithEvent](#), [addLink](#), [addLinkToPartViaPort](#), [addReception](#), [addSuperclass](#), [addTriggeredOperation](#), [addType](#), [deleteClass](#), [deleteConstructor](#), [deleteDestructor](#), [deleteEventReception](#), [deleteReception](#), [deleteSuperclass](#), [deleteType](#), [getIsAbstract](#), [getIsActive](#), [getIsBehaviorOverriden](#), [getIsComposite](#), [getIsFinal](#), [getIsReactive](#), [setIsAbstract](#), [setIsActive](#), [setIsBehaviorOverriden](#), [setIsFinal](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addFreeShapeByType

```
IRPGraphElement addFreeShapeByType (java.lang.String metaType,
                                     IRPCollection xPoints,
                                     IRPCollection yPoints)
```

Adds a free shape of the type specified, using the x coordinates and y coordinates provided.

Parameters:

`metaType` - the type of shape to add. The possible values for this parameter are: "Polyline", "Polygon", "Rectangle", "Polycurve", "Closed Curve", "Ellipse".

`xPoints` - collection of integers representing the x coordinates for the shape

`yPoints` - collection of integers representing the y coordinates for the shape

Returns:

the new shape that was created

addImage

```
IRPGraphElement addImage (java.lang.String filename,
                           int xPosition,
                           int yPosition,
                           int nWidth,
                           int nHeight)
```

Adds an image to the statechart, using the specified file, starting point, width, and height.

Parameters:

`filename` - the full path to the image

`xPosition` - the x coordinate for the top left corner of the image, in pixels

`yPosition` - the y coordinate for the top left corner of the image, in pixels

`nWidth` - the width of the image, in pixels

`nHeight` - the height of the image, in pixels

Returns:

the new image element that was created

addNewEdgeByType

```
IRPGraphEdge addNewEdgeByType (java.lang.String metaType,
                                 IRPGraphElement src,
                                 int xSrcPosition,
                                 int ySrcPosition,
                                 IRPGraphElement trg,
                                 int xTrgPosition,
                                 int yTrgPosition)
```

Adds a connector element of the specified type to the statechart, using the source and target elements specified. Note that this method can only be used for connector elements that only have graphical representations and are not actual elements in the model. "Ordinary" connector elements are added to a statechart by carrying out two steps: 1) adding the new element to your model 2) adding a graphical representation of the element to the statechart using the method `IRPStatechart.addNewEdgeForElement`.

Parameters:

`metaType` - the type of connector element to add to the statechart. The strings that can be used for this parameter are: "anchor", "compRealization", "Containment Arrow", and "communication path".

`src` - the graphical element that is the source for the connector

`xSrcPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the source graphical element

`ySrcPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the source graphical element

`trg` - the graphical element that is the target for the connector

`xTrgPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the target graphical element

`yTrgPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the target graphical element

Returns:

the graphical element that was added to the statechart

See Also:

[addNewEdgeForElement \(com.telelogic.rhapsody.core.IRPModelElement, com.telelogic.rhapsody.core.IRPGraphNode, int, int, com.telelogic.rhapsody.core.IRPGraphNode, int, int\)](#)

addNewEdgeForElement

```
IRPGraphEdge addNewEdgeForElement (IRPModelElement element,  
                                     IRPGraphNode src,  
                                     int xSrcPosition,  
                                     int ySrcPosition,  
                                     IRPGraphNode trg,  
                                     int xTrgPosition,  
                                     int yTrgPosition)
```

Adds a connector graphical element to the statechart to represent the specified model element.

Parameters:

`element` - the model element to add to the statechart.

`src` - the graphical element that is the source for the connector

`xSrcPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the source graphical element

`ySrcPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the source graphical element

`trg` - the graphical element that is the target for the connector

`xTrgPosition` - the distance, in pixels, from the the left edge of the diagram to a point within the target graphical element

`yTrgPosition` - the distance, in pixels, from the the top edge of the diagram to a point within the target graphical element

Returns:

the connector graphical element that was added to the statechart

addNewNodeByType

```
IRPGraphNode addNewNodeByType (java.lang.String metaType,  
                                int xPosition,
```

```
int yPosition,
int nWidth,
int nHeight)
```

Adds a statechart element of the specified type to the statechart, using the position and dimensions specified. Note that this method can only be used for statechart elements that only have graphical representations and are not actual elements in the model. "Ordinary" model elements are added to a statechart by carrying out two steps: 1) adding the new element to your model 2) adding a graphical representation of the element to the statechart using the method `IRPStatechart.addNewNodeForElement`.

Parameters:

`metaType` - the type of element to add to the diagram. The strings that can be used for this parameter are: "OrState"(for And Line), "Note"; panel diagram elements: "Knob", "Gauge", "Meter", "LevelIndicator", "MatrixDisplay", "DigitalDisplay", "Led", "OnOffSwitch", "PushButton", "ButtonArray", "TextBox", "Slider"; free shapes: "Polyline", "Ploygon", "Rectangle", "Polycurve", "Closed Curve", "Ellipse", "Image".

`xPosition` - the position of the left edge of the graphical object, in pixels, relative to the left edge of the diagram

`yPosition` - the position of the top edge of the graphical object, in pixels, relative to the top edge of the diagram

`nWidth` - the width of the graphical object

`nHeight` - the height of the graphical object

Returns:

the graphical element that was added to the statechart

See Also:

[addNewNodeForElement\(com.telelogic.rhapsody.core.IRPModelElement, int, int, int, int\)](#)

addNewNodeForElement

```
IRPGraphNode addNewNodeForElement(IRPModelElement element,
int xPosition,
int yPosition,
int nWidth,
int nHeight)
```

Adds a graphical element to the statechart to represent the specified model element. For connector elements, use the method `addNewEdgeForElement`.

Parameters:

`element` - the model element to add to the statechart.

`xPosition` - the position of the left edge of the graphical object, in pixels, relative to the left edge of the diagram

`yPosition` - the position of the top edge of the graphical object, in pixels, relative to the top edge of the diagram

`nWidth` - the width of the graphical object

`nHeight` - the height of the graphical object

Returns:

the graphical element that was added to the statechart

addTextBox

```
IRPGraphElement addTextBox(java.lang.String text,
                             int xPosition,
                             int yPosition,
                             int nWidth,
                             int nHeight)
```

Adds a text box using the specified text, starting point, width, and height.

Parameters:

`text` - the text that should be displayed
`xPosition` - the x coordinate for the top left corner of the box, in pixels
`yPosition` - the y coordinate for the top left corner of the box, in pixels
`nWidth` - the width of the text box, in pixels
`nHeight` - the height of the text box, in pixels

Returns:

the new text box that was created

openDiagramView

```
IRPAXViewCtrl openDiagramView()
```

Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).

closeDiagram

```
void closeDiagram()
```

Closes the statechart.

createGraphics

```
void createGraphics()
```

Creates the graphical representation of the elements in the statechart. When you create a statechart with the API, the graphical representation is not created by default. This means that the first time you open the statechart in Rhapsody, you will be asked if the graphics should be created. You can create the graphical representation directly by calling `createGraphics()`.

deleteState

```
void deleteState(IRPState state)
```

Deletes the specified state from the statechart.

Parameters:

`state` - the state to delete

findTrigger

`int findTrigger(IRPInterfaceItem Item)`

Checks whether the specified `IRPInterfaceItem` element serves as the trigger of a transition in the statechart.

Parameters:

`Item` - the `IRPInterfaceItem` element to check

Returns:

1 if the specified element serves as the trigger of a transition in the statechart, 0 otherwise

getAllTriggers

`IRPCollection getAllTriggers()`

Returns a collection of all the triggers in the statechart

Returns:

all of the triggers in the statechart

getElementsInDiagram

`IRPCollection getElementsInDiagram()`

Returns a collection of all of the elements in the statechart.

Returns:

all of the elements in the statechart

getGraphicalElements

`IRPCollection getGraphicalElements()`

Returns a collection of all the graphical elements in the statechart.

Returns:

collection of `IRPGraphElement` objects, representing all the graphical elements in the statechart.

getInheritsFrom

`IRPStatechart getInheritsFrom()`

Returns the statechart of the base class of this class.

Returns:

the statechart of the base class of this class

getIsMainBehavior

```
int getIsMainBehavior()
```

Checks whether the statechart is the main behavior for the class. Rhapsody allows you to define multiple statecharts and activities. One of these is defined as the "main" behavior, which is executed and can then reference other statecharts and activities.

Returns:

1 if the statechart is the main behavior, 0 otherwise

getIsOverridden

```
int getIsOverridden()
```

Checks whether the inheritance relationship between this statechart and the statechart of the base class was overridden.

Returns:

1 if the inheritance relationship between the statecharts was overridden, 0 if the relationship still exists.

getItsClass

```
IRPClassifier getItsClass()
```

Returns the class that the statechart is associated with.

Returns:

the class that the statechart is associated with

getPicture

```
void getPicture(java.lang.String filename)
```

Saves the statechart as an emf format file, using the path and filename provided as a parameter.

Parameters:

filename - the full path to use for saving the file

getPictureAs

```
IRPCollection getPictureAs(java.lang.String firstFileName,  
                           java.lang.String imageFormat,  
                           int getImageMaps,  
                           IRPCollection diagrammap)
```

Saves the statechart in the specified graphic format, breaking the diagram into a number of files if necessary. The need to break the diagram into a number of files is based on the value of the property General:Graphics:ExportedDiagramScale. If the property is set to a value other than FitToOnePage,

more than one file will be created. In addition, this method can be used to retrieve diagram element information that can be used to create an HTML image map.

Parameters:

`firstFileName` - the name to use for the file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

`imageFormat` - the graphic format in which the diagram should be saved. This can be one of the following: EMF, BMP, JPEG, JPG, TIFF.

`getImageMaps` - use this argument to indicate whether the method should also provide a collection of `IRPImageMap` objects that can be used to construct an HTML image map for the diagram. (Use 1 if you want this information, else use 0.)

`diagrammap` - The collection to use to store the `IRPImageMap` objects containing the required information for constructing an HTML image map

Returns:

collection that contains the names of the files that were created

getPictureAsDividedMetafiles

[IRPCollection](#) `getPictureAsDividedMetafiles`(java.lang.String firstFileName)

Saves the statechart as an emf format file, breaking the diagram into a number of such files if necessary. The need to break the diagram into a number of files is based on the value of the property `General:Graphics:ExportedDiagramScale`. If the property is set to a value other than `FitToOnePage`, more than one file will be created.

Parameters:

`firstFileName` - the name to use for the first file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

Returns:

collection that contains the names of the files that were created

getPicturesWithImageMap

[IRPCollection](#) `getPicturesWithImageMap`(java.lang.String firstFileName, [IRPCollection](#) diagrammap)

Saves the statechart as an emf format file, breaking the diagram into a number of files if necessary. The need to break the diagram into a number of files is based on the value of the property `General:Graphics:ExportedDiagramScale`. If the property is set to a value other than `FitToOnePage`, more than one file will be created. In addition, this method retrieves diagram element information that can be used to create an HTML image map.

Parameters:

`firstFileName` - the name to use for the file created. If more than one file is created, the filenames used will be based on the following convention: `firstFileNameZ_X_Y`, where Z is the number of the created file, X is the number of the page along the X vector, and Y is the number of the page along the Y vector.

`diagrammap` - The collection to use to store the `IRPImageMap` objects containing the required information for constructing an HTML image map

Returns:

collection that contains the names of the files that were created

getRootState

[IRPState](#) `getRootState()`

Returns the root state of the statechart. To create a top-level state in a statechart, you add it to the root state.

Returns:

the root state of the statechart

getStatechartDiagram

[IRPStatechartDiagram](#) `getStatechartDiagram()`

Returns the `IRPStatechartDiagram` object associated with the statechart.

Returns:

the `IRPStatechartDiagram` object associated with the statechart

overrideInheritance

`void overrideInheritance()`

Breaks the inheritance relationship between this statechart and the statechart of the base class.

populateDiagram

```
void populateDiagram(IRPCollection elementsToPopulate,  
                    IRPCollection relationsTypes,  
                    java.lang.String createContent)
```

Populates the statechart with the elements and types of relations specified.

Parameters:

`elementsToPopulate` - the elements (nodes) to add to the diagram

`relationsTypes` - the types of relations that should be drawn on the diagram. You can use the string `AllRelations` to display all types, or use any combination of the following strings: `Composition`, `Association`, `Link`, `Dependency`, `Inheritance`, `Anchor`, `InformationFlow`

`createContent` - the elements that should be included in addition to those specified. This argument can take any of the following strings: `among`, `from`, `to`, `fromto`. If you use "among", only the elements you specified will be included. If you use one of the other strings, the diagram will also include elements that the selected elements are related to

setAsMainBehavior

```
void setAsMainBehavior()
```

Specifies that this statechart should be the main behavior for the class. Rhapsody allows you to define multiple statecharts and activities. One of these is defined as the "main" behavior, which is executed and can then reference other statecharts and activities.

setShowDiagramFrame

```
void setShowDiagramFrame(int bShow)
```

Shows/hides the diagram frame.

Parameters:

bShow - use 1 to show the diagram frame, 0 to hide the frame.

unoverrideInheritance

```
void unoverrideInheritance()
```

Restores the inheritance relationship between this statechart and the statechart of the base class.

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com.telelogic.rhapsody.core Interface IRPStatechartDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPActivityDiagram](#)

```
public interface IRPStatechartDiagram
extends IRPDiagram
```

The IRPStatechartDiagram interface represents statecharts in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	addAndLine (IRPGraphNode sourceState, int xStartPosition, int yStartPosition, int xEndPosition, int yEndPosition) Adds an And Line to the specified state.
void	createGraphics () Creates the graphical representation of the elements in the statechart.
IRPStatechart	getStatechart () Returns the IRPStatechart object underlying the statechart.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addAndLine**

```
IRPCollection addAndLine(IRPGraphNode sourceState,
                        int xStartPosition,
                        int yStartPosition,
                        int xEndPosition,
                        int yEndPosition)
```

Adds an And Line to the specified state.

Parameters:

`sourceState` - the graphical element representing the state to which the And Line should be added

`xStartPosition` - the x position at which the And Line should begin

`yStartPosition` - the y position at which the And Line should begin

`xEndPosition` - the x position at which the And Line should end

`yEndPosition` - the y position at which the And Line should end

Returns:

a collection of the new orthogonal states created

```
IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
IRPProject prj = app.activeProject();
IRPPackage vehiclePackage = prj.addPackage("Vehicles");
IRPClass carClass = vehiclePackage.addClass("Car");
IRPStatechart carStatechart = carClass.addStatechart();
IRPState rootState = carStatechart.getRootState();
IRPState runningState = rootState.addState("Running");
IRPStatechartDiagram scDiagram = carStatechart.getStatechartDiagram();
IRPGraphNode runningStateNode = scDiagram.addNewNodeForElement(runningState, 100, 100, 400);
IRPCollection stateNodesCreated = scDiagram.addAndLine(runningStateNode, 300, 100, 300, 500);
IRPGraphNode newStateNodeCreated = null;
for (int stateNodeCounter = 1; stateNodeCounter < stateNodesCreated.getCount()+1; stateNodeCounter++)
    newStateNodeCreated = (IRPGraphNode)stateNodesCreated.getItem(stateNodeCounter);
System.out.println(newStateNodeCreated.getModelObject().getName());
}
```

createGraphics

void **createGraphics**()

Creates the graphical representation of the elements in the statechart. When you create a statechart with the API, the graphical representation is not created by default. This means that the first time you open the statechart in Rhapsody, you will be asked if the graphics should be created. You can create the graphical representation directly by calling `createGraphics()`.

getStatechart

[IRPStatechart](#) **getStatechart**()

Returns the `IRPStatechart` object underlying the statechart.

Returns:

the `IRPStatechart` object underlying the statechart

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com.telelogic.rhapsody.core Interface IRPStateVertex

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPAcceptEventAction](#), [IRPAcceptTimeEvent](#), [IRPCallOperation](#), [IRPConnector](#), [IRPObjectNode](#),
[IRPPin](#), [IRPState](#)

```
public interface IRPStateVertex
extends IRPModelElement
```

The IRPStateVertex interface represents the characteristics that are shared by various statechart elements such as states, join/fork connectors, and condition connectors.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPTransition	addFlow (java.lang.String type, IRPStateVertex to) Adds a control flow or object flow from this element to the specified element.
IRPTransition	addTransition (IRPStateVertex to) Adds a transition from this element to the specified element.
void	deleteTransition (IRPTransition transition) Deletes the specified transition.
IRPCollection	getInTransitions () Returns all of the transitions that enter the element.
IRPCollection	getOutTransitions () Returns all of the transitions that exit the element.
IRPState	getParent () Returns the element's parent.
void	

Method Summary

[setParent](#) ([IRPState](#) parent)
Sets the parent state of the element.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addFlow

[IRPTransition](#) **addFlow**(java.lang.String type, [IRPStateVertex](#) to)

Adds a control flow or object flow from this element to the specified element.

Parameters:

type - the type of flow to create - the valid strings that can be used are ControlFlow and ObjectFlow
to - the target element for the new flow

Returns:

the flow created

addTransition

[IRPTransition](#) addTransition([IRPStateVertex](#) to)

Adds a transition from this element to the specified element.

Parameters:

to - the target element for the new transition

Returns:

the transition created

deleteTransition

void deleteTransition([IRPTransition](#) transition)

Deletes the specified transition.

Parameters:

transition - the transition to delete

getInTransitions

[IRPCollection](#) getInTransitions()

Returns all of the transitions that enter the element. Note that if there are any internal transitions defined, they will also be included in the collection that is returned. If you want to identify which transitions are internal, you can use the method `IRPTransition.isStaticReaction()`.

Returns:

all the transitions that enter the element (collection of `IRPTransition` elements).

getOutTransitions

[IRPCollection](#) getOutTransitions()

Returns all of the transitions that exit the element. Note that if there are any internal transitions defined, they will also be included in the collection that is returned. If you want to identify which transitions are internal, you can use the method `IRPTransition.isStaticReaction()`.

Returns:

all the transitions that exit the element (collection of `IRPTransition` elements).

getParent

[IRPState](#) getParent()

Returns the element's parent. If the element is not contained in a specific state, the root state of the diagram is returned.

Returns:

the element's parent

setParent

void **setParent** ([IRPState](#) parent)

Sets the parent state of the element.

Parameters:

parent - the state that should serve as the parent of the element

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com.telelogic.rhapsody.core Interface IRPStereotype

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPStereotype
extends IRPClassifier
```

The IRPStereotype interface represents stereotypes in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addMetaClass (java.lang.String metaClass) Adds a metaclass to the list of metaclasses that the stereotype can be applied to.
java.lang.String	getIcon () Gets the full path for the image file that is associated with this stereotype.
int	getIsNewTerm () Checks whether the stereotype is a "new term" stereotype.
java.lang.String	getOfMetaClass () Gets the names of the metaclasses that the stereotype can be applied to.
void	removeMetaClass (java.lang.String metaClass) Removes a metaclass from the list of metaclasses that the stereotype can be applied to.
void	setIsNewTerm (int isNewTerm) Used to change a stereotype to a "new term" stereotype, or change a "new term" stereotype to an ordinary stereotype.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addMetaClass

```
void addMetaClass(java.lang.String metaClass)
```

Adds a metaclass to the list of metaclasses that the stereotype can be applied to.

Parameters:

`metaClass` - the metaclass to add. Note that this string parameter can only contain the name of one metaclass. Adding multiple metaclasses requires multiple calls of this method.

getIcon

```
java.lang.String getIcon()
```

Gets the full path for the image file that is associated with this stereotype.

Returns:

the full path for the image file that is associated with this stereotype

getIsNewTerm

```
int getIsNewTerm()
```

Checks whether the stereotype is a "new term" stereotype. For more information about "new terms", see the help for customizing Rhapsody.

Returns:

indication of whether the stereotype is a "new term". 1 means that the stereotype is a "new term", 0 means that the stereotype is not a "new term".

getOfMetaClass

```
java.lang.String getOfMetaClass()
```

Gets the names of the metaclasses that the stereotype can be applied to.

Returns:

the names of the metaclasses that the stereotype can be applied to. If there is more than one such metaclass, the string returned will consist of a comma-separated list of the names.

removeMetaClass

```
void removeMetaClass(java.lang.String metaClass)
```

Removes a metaclass from the list of metaclasses that the stereotype can be applied to.

Parameters:

`metaClass` - the metaclass to remove. Note that this string parameter can only contain the name of one metaclass. Removing multiple metaclasses requires multiple calls of this method.

setIsNewTerm

```
void setIsNewTerm(int isNewTerm)
```

Used to change a stereotype to a "new term" stereotype, or change a "new term" stereotype to an ordinary stereotype. For more information about "new terms", see the help for customizing Rhapsody.

Parameters:

isNewTerm - Use 1 to change the stereotype to a "new term" stereotype. Use 0 to change a "new term" stereotype to an ordinary stereotype.

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com.telelogic.rhapsody.core Interface IRPStructureDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPStructureDiagram
extends IRPDiagram
```

The IRPStructureDiagram interface represents structure diagrams in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPSwimlane

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPSwimlane
extends IRPModelElement
```

The IRPSwimlane interface represents swimlanes in an activity diagram.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPSwimlane	addSwimlane (java.lang.String name) For internal use only.
IRPCollection	getContents () Returns a collection of the elements contained in the swimlane.
IRPModelElement	getRepresents () Returns the model element that the swimlane represents.
IRPCollection	getSwimlanes () Returns a collection of the swimlanes that are nested under this swimlane.
void	setRepresents (IRPModelElement represents) Specifies the model element that the swimlane is to represent.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
[getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),
[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),
[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
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[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

Method Detail**addSwimlane**

[IRPSwimlane](#) **addSwimlane**(java.lang.String name)

For internal use only.

getContents

[IRPCollection](#) **getContents**()

Returns a collection of the elements contained in the swimlane.

Returns:

the elements contained in the swimlane

Throws:

[RhapsodyRuntimeException](#)

getRepresents

[IRPModelElement](#) **getRepresents**()

Returns the model element that the swimlane represents.

Returns:

the model element that the swimlane represents

getSwimlanes

[IRPCollection](#) getSwimlanes ()

Returns a collection of the swimlanes that are nested under this swimlane.

Returns:

the swimlanes nested under this swimlane

Throws:

[RhapsodyRuntimeException](#)

setRepresents

void setRepresents ([IRPModelElement](#) represents)

Specifies the model element that the swimlane is to represent.

Parameters:

represents - the model element that the swimlane is to represent

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPSysMLPort

All Superinterfaces:

[IRPInstance](#), [IRPModelElement](#), [IRPRelation](#), [IRPUnit](#)

```
public interface IRPSysMLPort
extends IRPInstance
```

The IRPSysMLPort interface represents flowport elements in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPLink	addLink (IRPInstance fromPart, IRPInstance toPart, IRPRelation assoc, IRPSysMLPort toPort, IRPPackage newOwner) This method is used to create a link between flowports on two parts.
int	getIsReversed () Checks whether the flowport was specified as conjugated.
java.lang.String	getPortDirection () Returns the direction that was specified for the flowport.
IRPClassifier	getType () Returns the type that was specified for the flowport.
void	setIsReversed (int isReversed) Specifies whether the flowport should be conjugated
void	setPortDirection (java.lang.String portDirection) Sets the direction of the flowport.
void	setType (IRPClassifier type) Sets the type for the flowport.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInstance](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPInstance](#)

[addRelationToTheWhole](#), [getAllNestedElements](#), [getAttributeValue](#), [getInLinks](#), [getInstantiatedBy](#), [getListOfInitializerArguments](#), [getOutLinks](#), [setAttributeValue](#), [setExplicit](#), [setImplicit](#), [setInitializerArgumentValue](#), [setInstantiatedBy](#), [updateContainedDiagramsOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPRelation](#)

[addQualifier](#), [getAssociationClass](#), [getInverse](#), [getIsNavigable](#), [getIsSymmetric](#), [getMultiplicity](#), [getObjectAsObjectType](#), [getOfClass](#), [getOtherClass](#), [getQualifier](#), [getQualifiers](#), [getQualifierType](#), [getRelationLabel](#), [getRelationLinkName](#), [getRelationRoleName](#), [getRelationType](#), [getVisibility](#), [isTypelessObject](#), [makeUnidirect](#), [removeQualifier](#), [setInverse](#), [setIsNavigable](#), [setMultiplicity](#), [setOfClass](#), [setOtherClass](#), [setQualifier](#), [setQualifierType](#), [setRelationLabel](#), [setRelationLinkName](#), [setRelationRoleName](#), [setRelationType](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

addLink

```
IRPLink addLink(IRPInstance fromPart,
                IRPInstance toPart,
                IRPRelation assoc,
                IRPSysMLPort toPort,
                IRPPackage newOwner)
```

This method is used to create a link between flowports on two parts.

Parameters:

fromPart - the "from" part for the link
 toPart - the "to" part for the link
 assoc - use Null for this argument (it is not relevant for links between flowports)
 toPort - the "to" port for the link
 newOwner - the package that should be the owner of the link created

Returns:

the link that was created

Throws:

[RhapsodyRuntimeException](#)

getIsReversed

```
int getIsReversed()
```

Checks whether the flowport was specified as conjugated.

Returns:

1 if the flowport was specified as conjugated, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

getPortDirection

```
java.lang.String getPortDirection()
```

Returns the direction that was specified for the flowport.

Returns:

the direction that was specified for the flowport - will be one of the following values: "In", "Out", "InOut"

Throws:

[RhapsodyRuntimeException](#)

getType

```
IRPClassifier getType()
```

Returns the type that was specified for the flowport.

Returns:

the type that was specified for the flowport

Throws:

[RhapsodyRuntimeException](#)

setIsReversed

```
void setIsReversed(int isReversed)
```

Specifies whether the flowport should be conjugated

Parameters:

isReversed - use 1 to specify that the flowport should be conjugated, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setPortDirection

```
void setPortDirection(java.lang.String portDirection)
```

Sets the direction of the flowport.

Parameters:

portDirection - the direction to use for the flowport. The valid values are "In", "Out", and "InOut".

Throws:

[RhapsodyRuntimeException](#)

setType

```
void setType(IRPCClassifier type)
```

Sets the type for the flowport.

Parameters:

type - the type to use for the flowport

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.AnnotationAttribute

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.AnnotationAttribute

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.AnnotationAttribute
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	ID Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	SPECIFICATION Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

Constructor Summary

[IRPTableLayout.Column.AnnotationAttribute](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

ID

```
public static final java.lang.String ID
```

Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

SPECIFICATION

```
public static final java.lang.String SPECIFICATION
```

Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.AnnotationAttribute

```
public IRPTableLayout.Column.AnnotationAttribute()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.DependsOn

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.DependsOn

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.DependsOn
extends java.lang.Object
```

Contains the pre-defined values to be used for Property parameter of addColumn method, when DependsOn is selected for the Type parameter of addColumn method. Other legal values for this field are names of Streotypes applicable to Dependency.

Field Summary

static java.lang.String

[DEPENDENCY](#)

Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

Constructor Summary

[IRPTableLayout.Column.DependsOn](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

DEPENDENCY

```
public static final java.lang.String DEPENDENCY
```

Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.DependsOn

```
public IRPTableLayout.Column.DependsOn ()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.FlowAttribute

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.FlowAttribute

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.FlowAttribute
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String

[ITEM FLOWS](#)

Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

Constructor Summary

[IRPTableLayout.Column.FlowAttribute](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

ITEM_FLOWS

```
public static final java.lang.String ITEM_FLOWS
```

Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.FlowAttribute

```
public IRPTableLayout.Column.FlowAttribute()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.GeneralAttribute

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.GeneralAttribute

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.GeneralAttribute
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

Field Summary	
static java.lang.String	CLASSIFIER Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	DESCRIPTION Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	ELEMENT TYPE Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	FULL PATH NAME
static java.lang.String	LABEL Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	NAME Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	OWNER Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	STEREOTYPES Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	VALUE

Constructor Summary

[IRPTableLayout.Column.GeneralAttribute](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

NAME

```
public static final java.lang.String NAME
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

LABEL

```
public static final java.lang.String LABEL
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

OWNER

```
public static final java.lang.String OWNER
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

DESCRIPTION

```
public static final java.lang.String DESCRIPTION
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

ELEMENT_TYPE

```
public static final java.lang.String ELEMENT_TYPE
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

STEREOTYPES

```
public static final java.lang.String STEREOTYPES
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

CLASSIFIER

```
public static final java.lang.String CLASSIFIER
```

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

FULL_PATH_NAME

```
public static final java.lang.String FULL_PATH_NAME
```

See Also:

[Constant Field Values](#)

VALUE

```
public static final java.lang.String VALUE
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.GeneralAttribute

```
public IRPTableLayout.Column.GeneralAttribute()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column

Enclosing interface:

[IRPTableLayout](#)

```
public static final class IRPTableLayout.Column
extends java.lang.Object
```

This class holds constant values to be used with addColumn method.

Nested Class Summary

static class	IRPTableLayout.Column.AnnotationAttribute Contains values to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.DependsOn Contains the pre-defined values to be used for Property parameter of addColumn method, when DependsOn is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.FlowAttribute Contains values to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.GeneralAttribute Contains values to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.ImplementationCellType
static class	IRPTableLayout.Column.RelationAttributeFrom Contains values to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.RelationAttributeTo Contains values to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static class	

Nested Class Summary

	IRPTableLayout.Column.RequirementAttribute Contains values to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.
static class	IRPTableLayout.Column.UserDefinedMethod Contains values to be used for Property parameter of addColumn method, when USER_DEFINED_METHOD is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	ANNOTATION ATTRIBUTE Value used for Type parameter of addColumn method
static java.lang.String	CONTEXT PATTERN HIERARCHY Value used for Type parameter of addColumn method
static java.lang.String	DEPENDS ON Value used for Type parameter of addColumn method.
static java.lang.String	FLOW ATTRIBUTE Value used for Type parameter of addColumn method
static java.lang.String	GENERAL ATTRIBUTE Value used for Type parameter of addColumn method
static java.lang.String	INSTANCE SPECIFICATION HIERARCHY Value used for Type parameter of addColumn method
static java.lang.String	RELAIION ATTRIBUTE FROM Deprecated.
static java.lang.String	RELAIION ATTRIBUTE TO Deprecated.
static java.lang.String	RELATION ATTRIBUTE FROM Value used for Type parameter of addColumn method
static java.lang.String	RELATION ATTRIBUTE TO Value used for Type parameter of addColumn method
static java.lang.String	REQUIREMENT ATTRIBUTE Value used for Type parameter of addColumn method
static java.lang.String	TAG Value used for Type parameter of addColumn method
static java.lang.String	TAG EDIT Value used for Type parameter of addColumn method
static java.lang.String	TAG EDIT STRICT Value used for Type parameter of addColumn method
static java.lang.String	USER DEFINED METHOD Value used for Type parameter of addColumn method.

Constructor Summary

[IRPTableLayout.Column](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

GENERAL_ATTRIBUTE

```
public static final java.lang.String GENERAL_ATTRIBUTE
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

RELAIION_ATTRIBUTE_FROM

```
public static final java.lang.String RELAIION_ATTRIBUTE_FROM
```

Deprecated.

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

RELAIION_ATTRIBUTE_TO

```
public static final java.lang.String RELAIION_ATTRIBUTE_TO
```

Deprecated.

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

REQUIREMENT_ATTRIBUTE

```
public static final java.lang.String REQUIREMENT_ATTRIBUTE
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

ANNOTATION_ATTRIBUTE

```
public static final java.lang.String ANNOTATION_ATTRIBUTE
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

FLOW_ATTRIBUTE

```
public static final java.lang.String FLOW_ATTRIBUTE
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

TAG

```
public static final java.lang.String TAG
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

TAG_EDIT

```
public static final java.lang.String TAG_EDIT
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

TAG_EDIT_STRICT

```
public static final java.lang.String TAG_EDIT_STRICT
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

DEPENDS_ON

```
public static final java.lang.String DEPENDS_ON
```

Value used for Type parameter of addColumn method. When using this value - for the "Type" parameter, the "Property" parameter can be set by one of the values defined in IRPTableLayout.Column.DependsOn, or by the name of Stereotype applicable to Dependency.

See Also:

[Constant Field Values](#)

USER_DEFINED_METHOD

```
public static final java.lang.String USER_DEFINED_METHOD
```

Value used for Type parameter of addColumn method. When this value is used - the value for the property parameter can be set to the plugin method to be executed, or to the constant defined in IRPTableLayout.Column.UserDefinedMethod.

See Also:

[Constant Field Values](#)

RELATION_ATTRIBUTE_FROM

```
public static final java.lang.String RELATION_ATTRIBUTE_FROM
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

RELATION_ATTRIBUTE_TO

```
public static final java.lang.String RELATION_ATTRIBUTE_TO
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

INSTANCE_SPECIFICATION_HIERARCHY

```
public static final java.lang.String INSTANCE_SPECIFICATION_HIERARCHY
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

CONTEXT_PATTERN_HIERARCHY

```
public static final java.lang.String CONTEXT_PATTERN_HIERARCHY
```

Value used for Type parameter of addColumn method

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column

```
public IRPTableLayout.Column()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.ImplementationCellType

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.ImplementationCellType

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.ImplementationCellType
extends java.lang.Object
```

Field Summary

static java.lang.String	LIST OF MODEL ELEMENTS Value to be used for cellType parameter of SetColumnImplementationCellType method.
static java.lang.String	MODEL ELEMENT Value to be used for cellType parameter of SetColumnImplementationCellType method.
static java.lang.String	STRING Value to be used for cellType parameter of SetColumnImplementationCellType method.

Constructor Summary

[IRPTableLayout.Column.ImplementationCellType](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

STRING

```
public static final java.lang.String STRING
```

Value to be used for cellType parameter of SetColumnImplementationCellType method.

See Also:

[Constant Field Values](#)

MODEL_ELEMENT

```
public static final java.lang.String MODEL_ELEMENT
```

Value to be used for cellType parameter of SetColumnImplementationCellType method.

See Also:

[Constant Field Values](#)

LIST_OF_MODEL_ELEMENTS

```
public static final java.lang.String LIST_OF_MODEL_ELEMENTS
```

Value to be used for cellType parameter of SetColumnImplementationCellType method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.ImplementationCellType

```
public IRPTableLayout.Column.ImplementationCellType()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.RelationAttributeFrom

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.RelationAttributeFrom

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.RelationAttributeFrom
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	FROM ELEMENT Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static java.lang.String	PORT PROVIDED INERFACE Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static java.lang.String	PORT REQUIRED INERFACE Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static java.lang.String	PROVIDED INERFACE OPERATIONS Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static java.lang.String	REQUIRED INERFACE OPERATIONS Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.
static java.lang.String	VIA PORT Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

Constructor Summary

Constructor Summary

[IRPTableLayout.Column.RelationAttributeFrom](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

VIA_PORT

```
public static final java.lang.String VIA_PORT
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PORT_PROVIDED_INERFACE

```
public static final java.lang.String PORT_PROVIDED_INERFACE
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

FROM_ELEMENT

```
public static final java.lang.String FROM_ELEMENT
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PORT_REQUIRED_INERFACE

```
public static final java.lang.String PORT_REQUIRED_INERFACE
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PROVIDED_INERFACE_OPERATIONS

```
public static final java.lang.String PROVIDED_INERFACE_OPERATIONS
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

REQUIRED_INERFACE_OPERATIONS

```
public static final java.lang.String REQUIRED_INERFACE_OPERATIONS
```

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.RelationAttributeFrom

```
public IRPTableLayout.Column.RelationAttributeFrom()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.RelationAttributeTo

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.RelationAttributeTo

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.RelationAttributeTo
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	PORT PROVIDED INERFACE Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static java.lang.String	PORT REQUIRED INERFACE Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static java.lang.String	PROVIDED INERFACE OPERATIONS Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static java.lang.String	REQUIRED INERFACE OPERATIONS Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static java.lang.String	TO ELEMENT Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.
static java.lang.String	VIA PORT Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

Constructor Summary

Constructor Summary

[IRPTableLayout.Column.RelationAttributeTo](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

VIA_PORT

```
public static final java.lang.String VIA_PORT
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PORT_PROVIDED_INERFACE

```
public static final java.lang.String PORT_PROVIDED_INERFACE
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

TO_ELEMENT

```
public static final java.lang.String TO_ELEMENT
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PORT_REQUIRED_INERFACE

```
public static final java.lang.String PORT_REQUIRED_INERFACE
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

PROVIDED_INERFACE_OPERATIONS

```
public static final java.lang.String PROVIDED_INERFACE_OPERATIONS
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

REQUIRED_INERFACE_OPERATIONS

```
public static final java.lang.String REQUIRED_INERFACE_OPERATIONS
```

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.RelationAttributeTo

```
public IRPTableLayout.Column.RelationAttributeTo()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.RequirementAttribute

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.RequirementAttribute

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.RequirementAttribute
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	ID Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.
static java.lang.String	LINK FROM
static java.lang.String	LINK FROM FULLNAME
static java.lang.String	LINK SUSPECT
static java.lang.String	LINK TYPE
static java.lang.String	SPECIFICATION Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

Constructor Summary

[IRPTableLayout.Column.RequirementAttribute](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

ID

```
public static final java.lang.String ID
```

Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

SPECIFICATION

```
public static final java.lang.String SPECIFICATION
```

Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

See Also:

[Constant Field Values](#)

LINK_TYPE

```
public static final java.lang.String LINK_TYPE
```

See Also:

[Constant Field Values](#)

LINK_FROM

```
public static final java.lang.String LINK_FROM
```

See Also:

[Constant Field Values](#)

LINK_FROM_FULLNAME

```
public static final java.lang.String LINK_FROM_FULLNAME
```

See Also:

[Constant Field Values](#)

LINK_SUSPECT

```
public static final java.lang.String LINK_SUSPECT
```

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.RequirementAttribute

```
public IRPTableLayout.Column.RequirementAttribute ()
```

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com.telelogic.rhapsody.core Class IRPTableLayout.Column.UserDefinedMethod

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.Column.UserDefinedMethod

Enclosing class:

[IRPTableLayout.Column](#)

```
public static final class IRPTableLayout.Column.UserDefinedMethod
extends java.lang.Object
```

Contains values to be used for Property parameter of addColumn method, when USER_DEFINED_METHOD is selected for the Type parameter of addColumn method.

Field Summary

static java.lang.String	Implementation Use this value to declare that a dynamic java code was set to be executed for this column.
-------------------------	--

Constructor Summary

[IRPTableLayout.Column.UserDefinedMethod\(\)](#)

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

Implementation

```
public static final java.lang.String Implementation
```

Use this value to declare that a dynamic java code was set to be executed for this column.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableLayout.Column.UserDefinedMethod

```
public IRPTableLayout.Column.UserDefinedMethod()
```

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com.telelogic.rhapsody.core Interface IRPTableLayout

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

```
public interface IRPTableLayout
extends IRPUnit
```

Nested Class Summary

static class	IRPTableLayout.Column This class holds constant values to be used with addColumn method.
static class	IRPTableLayout.QueryOrElementsList This class contains constant values for use with the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList.

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addColumn (java.lang.String type, java.lang.String Property, java.lang.String ColumnName) Adds a new column to the table layout.
int	addColumnEx (java.lang.String type, java.lang.String Property, java.lang.String ColumnName, java.lang.String Context) Adds a new column to the table layout.
int	getCollapseFirstColumn () Checks whether the first column of the layout includes controls for collapsing and expanding rows that have the same value in the first column.
java.lang.String	getColumnContext (int Index) Returns the context pattern label that was specified for the column.
int	getColumnCount () Returns the number of columns in the table layout.
int	

Method Summary	
	getColumnDefaultWidth (int Index) Returns the default width that was defined for the specified column.
int	getColumnImplementationAllowNew (int Index) Checks whether the user-defined picker for the specified column includes the New option in its list.
int	getColumnImplementationAllowSelect (int Index) Checks whether the user-defined picker for the specified column includes the Select option in its list.
java.lang.String	getColumnImplementationCellType (int Index) Returns the type of information that is displayed in the column's cells - string, model element, or list of model elements.
java.lang.String	getColumnImplementationDisplayProperty (int Index) Returns the type of element information that is displayed when the cell value type is set to model element or list of model elements.
java.lang.String	getColumnImplementationGetterCode (int Index) Returns the Java code for the getter for the cells in the specified column.
java.lang.String	getColumnImplementationImports (int Index) For columns that use customized cell behavior, this method returns the list of imports specified for the column.
java.lang.String	getColumnImplementationPickerCode (int Index) Returns the Java code for the picker for the cells in the specified column.
java.lang.String	getColumnImplementationSetterCode (int Index) Returns the Java code for the setter for the cells in the specified column.
java.lang.String	getColumnName (int Index) Returns the name of the specified column.
java.lang.String	getColumnProperty (int Index) Returns the Property of the specified column.
IRPCollection	getColumns ()
java.lang.String	getColumnType (int Index) Returns the type of the specified table column.
IRPCollection	getElementTypes () Returns a collection of the element types that were specified to be displayed in the table.
IRPCollection	getFromElementTypes () For "relation tables", returns a collection of the element types specified as the "from" element types.
IRPTableLayout	getFromElementTypesQueryToUse () For "relation tables", returns the query that was specified to determine the "from" element types.

Method Summary	
int	getFromElementTypesUseQueryOrElementsList () For "relation tables", checks whether a query or collection of element types was used to specify the "from" element types.
int	getRelationTable () Checks whether the table was defined as a "relation table".
IRPCollection	getResultList (IRPModelElement scope) method GetResultList
IRPCollection	getToElementTypes () For "relation tables", returns a collection of the element types specified as the "to" element types.
IRPTableLayout	getToElementTypesQueryToUse () For "relation tables", returns the query that was specified to determine the "to" element types.
int	getToElementTypesUseQueryOrElementsList () For "relation tables", checks whether a query or collection of element types was used to specify the "to" element types.
void	removeColumn (int Index) Removes the specified column from the table layout.
void	setCollapseFirstColumn (int collapse) Specifies whether or not the first column should include controls for collapsing and expanding rows that have the same value in the first column.
void	setColumnContext (int Index, java.lang.String Context) If you have defined a context pattern, this method can be used to specify a label from the context pattern, for the specified column.
void	setColumnDefaultWidth (int Index, int width) Sets the default width of the specified column.
void	setColumnImplementationAllowNew (int Index, int value) For columns that use customized cell behavior, this method can be used to include the New option in the list provided by the picker.
void	setColumnImplementationAllowSelect (int Index, int value) For columns that use customized cell behavior, this method can be used to include the Select option in the list provided by the picker.
void	setColumnImplementationCellType (int Index, java.lang.String cellType) For columns that use customized cell behavior, this method is used to specify the type of information that will be displayed in the column's cells - string, model element, or list of model elements.
void	setColumnImplementationDisplayProperty (int Index, java.lang.String propertyToDisplay) For columns that use customized cell behavior, this method is used to specify the type of element information that should be displayed when the cell value type is set to model element or list of model elements, for example, the name or value of the element.

Method Summary	
void	<u>setColumnImplementationGetterCode</u> (int Index, java.lang.String code) For columns that use customized cell behavior, this method is used to specify the Java code for the getter for the cells in the column.
void	<u>setColumnImplementationImports</u> (int Index, java.lang.String imports) For columns that use customized cell behavior, this method can be used to specify classes required by your code.
void	<u>setColumnImplementationPickerCode</u> (int Index, java.lang.String code) For columns that use customized cell behavior, this method is used to specify the Java code for the picker for the cells in the column.
void	<u>setColumnImplementationSetterCode</u> (int Index, java.lang.String code) For columns that use customized cell behavior, this method is used to specify the Java code for the setter for the cells in the column.
void	<u>setColumnName</u> (int Index, java.lang.String name) Sets the name of the specified column.
void	<u>setColumnProperty</u> (int Index, java.lang.String Property) Sets the Property of the specified column.
void	<u>setColumnType</u> (int Index, java.lang.String type) Sets the type of the specified table column.
void	<u>setElementTypes</u> (<u>IRPCollection</u> elements) Specifies the list of element types that should be displayed in the table.
void	<u>setFromElementTypes</u> (<u>IRPCollection</u> elements) For "relation tables", specifies the list of element types to use as the "from" element types.
void	<u>setFromElementTypesQueryToUse</u> (<u>IRPTableLayout</u> query) For "relation tables", specifies the query to use to determine the "from" element types for the table layout.
void	<u>setFromElementTypesUseQueryOrElementsList</u> (int queryOrElementsList) For "relation tables", specifies whether a query or collection of element types should be used to determine the "from" element types for the table layout.
void	<u>setRelationTable</u> (int relation) Specifies whether the table should be defined as a "relation table".
void	<u>setToElementTypes</u> (<u>IRPCollection</u> elements) For "relation tables", specifies the list of element types to use as the "to" element types for the table layout.
void	<u>setToElementTypesQueryToUse</u> (<u>IRPTableLayout</u> query) For "relation tables", specifies the query to use to determine the "to" element types for the table layout.
void	<u>setToElementTypesUseQueryOrElementsList</u> (int queryOrElementsList) For "relation tables", specifies whether a query or collection of element types should be used to determine the "to" element types for the table layout.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addColumn**

```
void addColumn(java.lang.String type,
               java.lang.String Property,
               java.lang.String ColumnName)
```

Adds a new column to the table layout.

Parameters:

type - the column Type (equivalent to Type field in the UI) - the valid values for this parameter are the constants that are defined in the class [IRPTableLayout.Column](#), for example, [IRPTableLayout.Column.ANNOTATION_ATTRIBUTE](#).

Property - the column Property (equivalent to Property field in the UI) - the valid values for this parameter are the constants defined in the classes nested beneath the class `IRPTableLayout.Column`. The nested class to use depends upon the value used for the "type" parameter.

For example, if the value of the "type" parameter is

[`IRPTableLayout.Column.ANNOTATION_ATTRIBUTE`](#), the valid values for the "Property" parameter are the constants defined in the nested class

[`IRPTableLayout.Column.AnnotationAttribute`](#), such as

[`IRPTableLayout.Column.AnnotationAttribute.ID`](#) and

[`IRPTableLayout.Column.AnnotationAttribute.SPECIFICATION`](#).

However, if you specified `TAG`, `TAG_EDIT`, `TAG_EDIT_STRICT`, or `USER_DEFINED_METHOD` as the "type" parameter, you must provide a string that reflects the full path of the relevant tag or the name of the relevant plugin method.

For `TAG`, `TAG_EDIT`, and `TAG_EDIT_STRICT`, use the string that is returned when you call the method `getFullPathName` for the tag.

If you specified `USER_DEFINED_METHOD` as the type, the Property parameter should take the form `pluginName.method`. (If you do not specify the plugin name, all plugins will be searched until a method with the specified name is found).

ColumnName - the text to use as the heading for the column

addColumnEx

```
int addColumnEx(java.lang.String type,
               java.lang.String Property,
               java.lang.String ColumnName,
               java.lang.String Context)
```

Adds a new column to the table layout. Differs from the `addColumn` method in that it allows you to also specify a label from a context pattern and it returns the index of the new column added.

Parameters:

type - the type to use for the column (one of the constants defined in the class

[`IRPTableLayout.Column`](#), for example,

`IRPTableLayout.Column.GENERAL_ATTRIBUTE`)

Property - the Property to use for the specified column. The values that can be used for this parameter are the constants defined in the classes nested under [`IRPTableLayout.Column`](#), for example, `IRPTableLayout.Column.GeneralAttribute.NAME`. Note that the Property must match the column type. For example, if the type of the column was set to

`IRPTableLayout.Column.ANNOTATION_ATTRIBUTE`, the available values for the

Property of the column are the constants defined in the class

`IRPTableLayout.Column.AnnotationAttribute`, such as

`IRPTableLayout.Column.AnnotationAttribute.ID` and

`IRPTableLayout.Column.AnnotationAttribute.SPECIFICATION`.

ColumnName - the text to use as the heading for the column

Context - a label from the context pattern that was defined. If you do not want to specify a context pattern label, use an empty string for this parameter.

Returns:

the index of the new column that was created (index of first column is 0)

Throws:[RhapsodyRuntimeException](#)

getCollapseFirstColumn

```
int getCollapseFirstColumn()
```

Checks whether the first column of the layout includes controls for collapsing and expanding rows that have the same value in the first column.

Returns:

1 if the first column includes collapse/expand controls, 0 otherwise

getColumnContext

```
java.lang.String getColumnContext(int Index)
```

Returns the context pattern label that was specified for the column.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the context pattern label that was specified for the column

Throws:[RhapsodyRuntimeException](#)

getColumnDefaultWidth

```
int getColumnDefaultWidth(int Index)
```

Returns the default width that was defined for the specified column.

Parameters:

Index - the index of the column whose default width should be returned (index of first column is 0)

Returns:

the default width defined for the specified column (in pixels)

Throws:[RhapsodyRuntimeException](#)

getColumnImplementationAllowNew

```
int getColumnImplementationAllowNew(int Index)
```

Checks whether the user-defined picker for the specified column includes the New option in its list.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

1 if the picker includes the New option, 0 if it does not

Throws:[RhapsodyRuntimeException](#)

getColumnImplementationAllowSelect

```
int getColumnImplementationAllowSelect(int Index)
```

Checks whether the user-defined picker for the specified column includes the Select option in its list.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

1 if the picker includes the Select option, 0 if it does not

Throws:[RhapsodyRuntimeException](#)

getColumnImplementationCellType

```
java.lang.String getColumnImplementationCellType(int Index)
```

Returns the type of information that is displayed in the column's cells - string, model element, or list of model elements. The value returned will be one of the constants defined in the class

[IRPTableLayout.Column.ImplementationCellType](#).

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the type of information that is displayed in the column's cells (one of the constants defined in the class [IRPTableLayout.Column.ImplementationCellType](#), for example, [IRPTableLayout.Column.ImplementationCellType.MODEL_ELEMENT](#))

Throws:[RhapsodyRuntimeException](#)

getColumnImplementationDisplayProperty

```
java.lang.String getColumnImplementationDisplayProperty(int Index)
```

Returns the type of element information that is displayed when the cell value type is set to model element or list of model elements. The value returned will be one of the constants defined in the class

[IRPTableLayout.Column.GeneralAttribute](#).

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the type of element information that is displayed when the cell value type is set to model element or list of model elements (one of the constants defined in the class [IRPTableLayout.Column.GeneralAttribute](#), for example, [IRPTableLayout.Column.GeneralAttribute.NAME](#))

Throws:[RhapsodyRuntimeException](#)

getColumnImplementationGetterCode

```
java.lang.String getColumnImplementationGetterCode(int Index)
```

Returns the Java code for the getter for the cells in the specified column.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the Java code for the getter for the cells in the column

Throws:

[RhapsodyRuntimeException](#)

getColumnImplementationImports

```
java.lang.String getColumnImplementationImports(int Index)
```

For columns that use customized cell behavior, this method returns the list of imports specified for the column.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

comma-separated list of the imports specified for the column

Throws:

[RhapsodyRuntimeException](#)

getColumnImplementationPickerCode

```
java.lang.String getColumnImplementationPickerCode(int Index)
```

Returns the Java code for the picker for the cells in the specified column.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the Java code for the picker for the cells in the column

Throws:

[RhapsodyRuntimeException](#)

getColumnImplementationSetterCode

```
java.lang.String getColumnImplementationSetterCode(int Index)
```

Returns the Java code for the setter for the cells in the specified column.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the Java code for the setter for the cells in the column

Throws:

[RhapsodyRuntimeException](#)

getColumnName

```
java.lang.String getColumnName(int Index)
```

Returns the name of the specified column.

Parameters:

Index - the index of the column whose name should be returned (index of first column is 0)

Returns:

the name of the specified column

Throws:

[RhapsodyRuntimeException](#)

getColumnProperty

```
java.lang.String getColumnProperty(int Index)
```

Returns the Property of the specified column. Corresponds to the Property field on the Columns tab for table layouts. The value returned will be one of the constants defined in the classes nested under [IRPTableLayout.Column](#), for example, `IRPTableLayout.Column.GeneralAttribute.NAME`.

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the Property of the specified column. Value returned will be one of the constants defined in the classes nested under `IRPTableLayout.Column`, for example, `IRPTableLayout.Column.GeneralAttribute.NAME`

Throws:

[RhapsodyRuntimeException](#)

getColumnType

```
java.lang.String getColumnType(int Index)
```

Returns the type of the specified table column. The value returned will be one of the constants defined in the class [IRPTableLayout.Column](#).

Parameters:

Index - the index of the column (index of first column is 0)

Returns:

the type of the table column (one of the constants defined in the class `IRPTableLayout.Column`, for example, `IRPTableLayout.Column.ANNOTATION_ATTRIBUTE`)

Throws:

[RhapsodyRuntimeException](#)

getColumns

[IRPCollection](#) `getColumns ()`

Returns:
collection of columns

Throws:
[RhapsodyRuntimeException](#)

getElementTypes

[IRPCollection](#) `getElementTypes ()`

Returns a collection of the element types that were specified to be displayed in the table. The collection consists of strings (from the list of types displayed on the ElementTypes tab of the Features window for table layouts).

Returns:
the element types that were specified to be displayed in the table

getFromElementTypes

[IRPCollection](#) `getFromElementTypes ()`

For "relation tables", returns a collection of the element types specified as the "from" element types. The collection consists of strings (from the list of types displayed on the From Element Types tab of the Features window for table layouts).

Returns:
the types specified as the "from" element types for the table layout

getFromElementTypesQueryToUse

[IRPTableLayout](#) `getFromElementTypesQueryToUse ()`

For "relation tables", returns the query that was specified to determine the "from" element types.

Returns:
the query that was specified to determine the "from" element types for the table layout

getFromElementTypesUseQueryOrElementsList

`int` `getFromElementTypesUseQueryOrElementsList ()`

For "relation tables", checks whether a query or collection of element types was used to specify the "from" element types.

Returns:
one of the constants contained in the class `IRPTableLayout.QueryOrElementsList`: `QUERY` if a query was used, `ELEMENTS_LIST` if a collection of element types was used.

getRelationTable

```
int getRelationTable ()
```

Checks whether the table was defined as a "relation table".

Returns:

1 if the table was defined as a "relation table", 0 otherwise

getResultList

```
IRPCollection getResultList (IRPModelElement scope)
```

method GetResultList

Throws:

[RhapsodyRuntimeException](#)

getToElementTypes

```
IRPCollection getToElementTypes ()
```

For "relation tables", returns a collection of the element types specified as the "to" element types. The collection consists of strings (from the list of types displayed on the To Element Types tab of the Features window for table layouts).

Returns:

the types specified as the "to" element types for the table layout

getToElementTypesQueryToUse

```
IRPTableLayout getToElementTypesQueryToUse ()
```

For "relation tables", returns the query that was specified to determine the "to" element types.

Returns:

the query that was specified to determine the "to" element types for the table layout

getToElementTypesUseQueryOrElementsList

```
int getToElementTypesUseQueryOrElementsList ()
```

For "relation tables", checks whether a query or collection of element types was used to specify the "to" element types.

Returns:

one of the constants contained in the class `IRPTableLayout.QueryOrElementsList`: `QUERY` if a query was used, `ELEMENTS_LIST` if a collection of element types was used.

removeColumn

```
void removeColumn(int Index)
```

Removes the specified column from the table layout.

Parameters:

Index - the index representing the position of the column in the table. The index for the first column in the table is 0.

setCollapseFirstColumn

```
void setCollapseFirstColumn(int collapse)
```

Specifies whether or not the first column should include controls for collapsing and expanding rows that have the same value in the first column.

Parameters:

collapse - use 1 if the first column should include collapse/expand controls, 0 otherwise.

setColumnContext

```
void setColumnContext(int Index,  
                      java.lang.String Context)
```

If you have defined a context pattern, this method can be used to specify a label from the context pattern, for the specified column.

Parameters:

Index - the index of the column (index of first column is 0)
Context - a label from the context pattern that was defined

Throws:

[RhapsodyRuntimeException](#)

setColumnDefaultWidth

```
void setColumnDefaultWidth(int Index,  
                           int width)
```

Sets the default width of the specified column. If a user double-clicks the column border after manually changing the width, the width will return to this value.

Parameters:

Index - the index of the column whose default width should be set (index of first column is 0)
width - the default width to use for the column (in pixels)

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationAllowNew

```
void setColumnImplementationAllowNew(int Index,
                                     int value)
```

For columns that use customized cell behavior, this method can be used to include the New option in the list provided by the picker.

Parameters:

Index - the index of the column (index of first column is 0)

value - use 1 if the New option should be included in the list, 0 if it should not

setColumnImplementationAllowSelect

```
void setColumnImplementationAllowSelect(int Index,
                                         int value)
```

For columns that use customized cell behavior, this method can be used to include the Select option in the list provided by the picker.

Parameters:

Index - the index of the column (index of first column is 0)

value - use 1 if the Select option should be included in the list, 0 if it should not

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationCellType

```
void setColumnImplementationCellType(int Index,
                                      java.lang.String cellType)
```

For columns that use customized cell behavior, this method is used to specify the type of information that will be displayed in the column's cells - string, model element, or list of model elements.

Parameters:

Index - the index of the column (index of first column is 0)

cellType - the type of information that will be displayed in the column's cells. The valid values for this parameter are the constants that are defined in the class

[IRPTableLayout.Column.ImplementationCellType](#), for example `IRPTableLayout.Column.ImplementationCellType.MODEL_ELEMENT`.

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationDisplayProperty

```
void setColumnImplementationDisplayProperty(int Index,
                                             java.lang.String propertyToDisplay)
```

For columns that use customized cell behavior, this method is used to specify the type of element information that should be displayed when the cell value type is set to model element or list of model elements, for example, the name or value of the element.

Parameters:

Index - the index of the column (index of first column is 0)
 propertyToDisplay - the type of element information that should be displayed for the element or elements in the cell. The valid values for this parameter are the constants defined in the class [IRPTableLayout.Column.GeneralAttribute](#), such as [IRPTableLayout.Column.GeneralAttribute.NAME](#).

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationGetterCode

```
void setColumnImplementationGetterCode(int Index,
                                       java.lang.String code)
```

For columns that use customized cell behavior, this method is used to specify the Java code for the getter for the cells in the column.

Parameters:

Index - the index of the column (index of first column is 0)
 code - the Java code to use for the getter

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationImports

```
void setColumnImplementationImports(int Index,
                                    java.lang.String imports)
```

For columns that use customized cell behavior, this method can be used to specify classes required by your code. Corresponds to the Imports field in the User Defined Implementation dialog. The list of imports should be comma-separated.

Parameters:

Index - the index of the column (index of first column is 0)
 imports - a comma-separated list of classes to import

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationPickerCode

```
void setColumnImplementationPickerCode(int Index,
                                       java.lang.String code)
```

For columns that use customized cell behavior, this method is used to specify the Java code for the picker for the cells in the column.

Parameters:

Index - the index of the column (index of first column is 0)
 code - the Java code to use for the picker

Throws:

[RhapsodyRuntimeException](#)

setColumnImplementationSetterCode

```
void setColumnImplementationSetterCode(int Index,  
                                       java.lang.String code)
```

For columns that use customized cell behavior, this method is used to specify the Java code for the setter for the cells in the column.

Parameters:

Index - the index of the column (index of first column is 0)
code - the Java code to use for the setter

Throws:

[RhapsodyRuntimeException](#)

setColumnName

```
void setColumnName(int Index,  
                  java.lang.String name)
```

Sets the name of the specified column.

Parameters:

Index - the index of the column whose name should be set (index of first column is 0)
name - the name to use for the column

Throws:

[RhapsodyRuntimeException](#)

setColumnProperty

```
void setColumnProperty(int Index,  
                      java.lang.String Property)
```

Sets the Property of the specified column. Corresponds to the Property field on the Columns tab for table layouts.

Parameters:

Index - the index of the column (index of first column is 0)
Property - the Property to use for the specified column. The values that can be used for this parameter are the constants defined in the classes nested under [IRPTableLayout.Column](#), for example, `IRPTableLayout.Column.GeneralAttribute.NAME`. Note that the Property must match the column type. For example, if the type of the column was set to `IRPTableLayout.Column.ANNOTATION_ATTRIBUTE`, the available values for the Property of the column are the constants defined in the class `IRPTableLayout.Column.AnnotationAttribute`, such as `IRPTableLayout.Column.AnnotationAttribute.ID` and `IRPTableLayout.Column.AnnotationAttribute.SPECIFICATION`.

Throws:

[RhapsodyRuntimeException](#)

setColumnType

```
void setColumnType(int Index,
                  java.lang.String type)
```

Sets the type of the specified table column. The type must be one of the constants defined in the class [IRPTableLayout.Column](#).

Parameters:

`Index` - the index of the column (index of first column is 0)

`type` - the type to use for the column (one of the constants defined in the class

`IRPTableLayout.Column`, for example, `IRPTableLayout.Column.GENERAL_ATTRIBUTE`)

Throws:

[RhapsodyRuntimeException](#)

setElementTypes

```
void setElementTypes(IRPCollection elements)
```

Specifies the list of element types that should be displayed in the table. The parameter must be a collection of strings (from the list of types displayed on the ElementTypes tab of the Features window for table layouts).

Parameters:

`elements` - the element types that should be displayed in the table

setFromElementTypes

```
void setFromElementTypes(IRPCollection elements)
```

For "relation tables", specifies the list of element types to use as the "from" element types. The parameter must be a collection of strings (from the list of types displayed on the From Element Types tab of the Features window for table layouts).

Parameters:

`elements` - collection of element types to use as the "from" element types for the table layout

setFromElementTypesQueryToUse

```
void setFromElementTypesQueryToUse(IRPTableLayout query)
```

For "relation tables", specifies the query to use to determine the "from" element types for the table layout.

Parameters:

`query` - the query to use to determine the "from" element types for the table layout. To clear a previous query, use null for the parameter.

setFromElementTypesUseQueryOrElementsList

```
void setFromElementTypesUseQueryOrElementsList(int queryOrElementsList)
```

For "relation tables", specifies whether a query or collection of element types should be used to determine the "from" element types for the table layout.

Parameters:

`queryOrElementsList` - one of the constants contained in the class `IRPTableLayout.QueryOrElementsList`: `QUERY` if a query should be used, `ELEMENTS_LIST` if a collection of element types should be used.

setRelationTable

```
void setRelationTable(int relation)
```

Specifies whether the table should be defined as a "relation table".

Parameters:

`relation` - use 1 if the table should be defined as a "relation table", 0 otherwise.

setToElementTypes

```
void setToElementTypes(IRPCollection elements)
```

For "relation tables", specifies the list of element types to use as the "to" element types for the table layout. The parameter must be a collection of strings (from the list of types displayed on the To Element Types tab of the Features window for table layouts).

Parameters:

`elements` - collection of element types to use as the "to" element types for the table layout

setToElementTypesQueryToUse

```
void setToElementTypesQueryToUse(IRPTableLayout query)
```

For "relation tables", specifies the query to use to determine the "to" element types for the table layout.

Parameters:

`query` - the query to use to determine the "to" element types for the table layout. To clear a previous query, use null for the parameter.

setToElementTypesUseQueryOrElementsList

```
void setToElementTypesUseQueryOrElementsList(int queryOrElementsList)
```

For "relation tables", specifies whether a query or collection of element types should be used to determine the "to" element types for the table layout.

Parameters:

`queryOrElementsList` - one of the constants contained in the class `IRPTableLayout.QueryOrElementsList`: `QUERY` if a query should be used, `ELEMENTS_LIST` if a collection of element types should be used.

getColumnCount

`int getColumnCount ()`

Returns the number of columns in the table layout.

Returns:

the number of columns in the table layout

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class IRPTableLayout.QueryOrElementsList

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableLayout.QueryOrElementsList

Enclosing interface:

[IRPTableLayout](#)

```
public static final class IRPTableLayout.QueryOrElementsList
extends java.lang.Object
```

This class contains constant values for use with the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`.

Field Summary

static int	<p>ELEMENTS_LIST</p> <p>When <code>ELEMENTS_LIST</code> is used as the parameter for the methods <code>setFromElementTypesUseQueryOrElementsList</code> and <code>setToElementTypesUseQueryOrElementsList</code>, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the relation table.</p>
static int	<p>QUERY</p> <p>When <code>QUERY</code> is used as the parameter for the methods <code>setFromElementTypesUseQueryOrElementsList</code> and <code>setToElementTypesUseQueryOrElementsList</code>, it indicates that a query is going to be used to determine the "from" element types or "to" element types for the relation table.</p>

Constructor Summary

[IRPTableLayout.QueryOrElementsList](#) ()

Method Summary

Methods inherited from class java.lang.Object

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail**QUERY**

```
public static final int QUERY
```

When QUERY is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that a query is going to be used to determine the "from" element types or "to" element types for the relation table.

See Also:

[Constant Field Values](#)

ELEMENTS_LIST

```
public static final int ELEMENTS_LIST
```

When ELEMENTS_LIST is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the relation table.

See Also:

[Constant Field Values](#)

Constructor Detail**IRPTableLayout.QueryOrElementsList**

```
public IRPTableLayout.QueryOrElementsList ()
```

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com.telelogic.rhapsody.core Class IRPTableView.ContentFormat

java.lang.Object

└─ com.telelogic.rhapsody.core.IRPTableView.ContentFormat

Enclosing interface:

[IRPTableView](#)

```
public static final class IRPTableView.ContentFormat
extends java.lang.Object
```

This class contains values that specify export format

Field Summary

static java.lang.String	CSV Export in Comma Separated Value (CSV) format.
static java.lang.String	HTML Export in HTML format.
static java.lang.String	XML Export in XML format.

Constructor Summary

[IRPTableView.ContentFormat](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

HTML

```
public static final java.lang.String HTML
```

Export in HTML format. Exported only string representations.

See Also:

[Constant Field Values](#)

XML

```
public static final java.lang.String XML
```

Export in XML format. For each model element, its GUID is exported as well.

See Also:

[Constant Field Values](#)

CSV

```
public static final java.lang.String CSV
```

Export in Comma Separated Value (CSV) format. Exported only string representations.

See Also:

[Constant Field Values](#)

Constructor Detail

IRPTableView.ContentFormat

```
public IRPTableView.ContentFormat ()
```

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com.telelogic.rhapsody.core Interface IRPTableView

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

public interface **IRPTableView**
extends [IRPUnit](#)

The IRPTableView interface represents Table View elements in Rhapsody models.

Nested Class Summary

static class	IRPTableView.ContentFormat This class contains values that specify export format
--------------	---

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getCellElements (int row, int column) Returns the model elements contained in the specified cell.
java.lang.String	getCellString (int row, int column) Returns the text contained in the specified cell.
int	getColumnCount () Returns the number of columns in the table.
java.lang.String	getContent (java.lang.String format) Retrieves the content of the table in the specified format.
java.lang.String	getHTMLContent () Returns the content of the table as HTML.
IRPCollection	getImageCollection (java.lang.String sFolder, java.lang.String sFilename, java.lang.String sExtension) method GetImageCollection
int	getIncludeDescendants () get property includeDescendants

Method Summary	
IRPTableLayout	getItsTableLayout () method GetItsTableLayout
int	getRowCount () Returns the number of rows in the table.
IRPCollection	getScope () method GetScope
int	getUseOwnerScope () Checks whether the scope of the table view was defined as including the "owner" of the table view.
void	open () method open
void	setIncludeDescendants (int includeDescendants) set property includeDescendants
void	setItsTableLayout (IRPTableLayout pVal) Specifies the table layout to use for this table view.
void	setScope (IRPCollection pCollection) Specifies the scope to use for this table view.
void	setUseOwnerScope (int pVal) Specifies whether the the scope of the table view should include the element that owns the table view.
int	updateViewOnServer (int enforceUpdate) Updates the view for the table on the Rhapsody Model Manager server.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getCellElements**

```
IRPCollection getCellElements(int row,
                               int column)
```

Returns the model elements contained in the specified cell.

Parameters:

row - the number of the row that the cell is in - row count begins at zero
column - the number of the column that the cell is in - column count begins at zero

Returns:

the model elements contained in the specified cell

Throws:

[RhapsodyRuntimeException](#)

getCellString

```
java.lang.String getCellString(int row,
                                 int column)
```

Returns the text contained in the specified cell.

Parameters:

row - the number of the row that the cell is in - row count begins at zero
column - the number of the column that the cell is in - column count begins at zero

Returns:

the text contained in the specified cell

Throws:

[RhapsodyRuntimeException](#)

getColumnCount

```
int getColumnCount ()
```

Returns the number of columns in the table.

Returns:

the number of columns in the table

Throws:

[RhapsodyRuntimeException](#)

getContent

```
java.lang.String getContent (java.lang.String format)
```

Retrieves the content of the table in the specified format. The value of the parameter should be one of the values defined in the class `IRPTableView.ContentFormat`. Note that when you call this method, the table is also displayed in Rhapsody.

Parameters:

`format` - one of the formats defined in the class `IRPTableView.ContentFormat`, for example, `IRPTableView.ContentFormat.CSV`

Returns:

the content of the table in the specified format

getHTMLContent

```
java.lang.String getHTMLContent ()
```

Returns the content of the table as HTML. The content returned begins and ends with the "table" tag. Note that when this method is called, the table is opened in Rhapsody before the HTML is returned.

Returns:

the content of the table as HTML

getImageCollection

```
IRPCollection getImageCollection (java.lang.String sFolder,  
                                   java.lang.String sFilename,  
                                   java.lang.String sExtension)
```

method GetImageCollection

Throws:

[RhapsodyRuntimeException](#)

getItsTableLayout

```
IRPTableLayout getItsTableLayout ()
```

method GetItsTableLayout

Throws:

[RhapsodyRuntimeException](#)

getRowCount

int `getRowCount()`

Returns the number of rows in the table.

Returns:

the number of rows in the table

Throws:

[RhapsodyRuntimeException](#)

getScope

[IRPCollection](#) `getScope()`

method `GetScope`

Throws:

[RhapsodyRuntimeException](#)

getUseOwnerScope

int `getUseOwnerScope()`

Checks whether the scope of the table view was defined as including the "owner" of the table view.

Returns:

1 if the scope of the table view was defined as including the "owner", 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setItsTableLayout

void `setItsTableLayout` ([IRPTableLayout](#) pVal)

Specifies the table layout to use for this table view.

Parameters:

pVal - the table layout to use for this table view

setScope

void `setScope` ([IRPCollection](#) pCollection)

Specifies the scope to use for this table view.

Parameters:

`pCollection` - the scope to use for this table view. Note that the parameter is a Rhapsody collection, but at the moment, only the first value in the collection is used for the scope.

setUseOwnerScope

```
void setUseOwnerScope(int pVal)
```

Specifies whether the the scope of the table view should include the element that owns the table view.

Parameters:

`pVal` - use 1 to have the scope of the table view include the owner, use 0 to clear the setting

Throws:

[RhapsodyRuntimeException](#)

updateViewOnServer

```
int updateViewOnServer(int enforceUpdate)
```

Updates the view for the table on the Rhapsody Model Manager server.

Parameters:

`enforceUpdate` - Use 0 to specify that the view should be updated only if changes that affect the table were made since the last update. Use 1 to specify that the view should be updated regardless of whether or not changes that affect the table were made since the last update.

Returns:

1 if the view for the table was updated on the server. If the table does not require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

getIncludeDescendants

```
int getIncludeDescendants()
```

get property includeDescendants

Throws:

[RhapsodyRuntimeException](#)

open

```
void open()
```

method open

Throws:

[RhapsodyRuntimeException](#)

setIncludeDescendants

void **setIncludeDescendants**(int includeDescendants)

set property includeDescendants

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPTag

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#), [IRPVariable](#)

```
public interface IRPTag
extends IRPVariable
```

The IRPTag interface represents tags in a Rhapsody model. To create a new tag, use the method `IRPModelElement.addNewAggr`.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPTag	getBase () Returns the base tag on which the local copy of the tag is based.
IRPProfile	getFromProfile () For tags whose source is a profile that was added to the project (as opposed to tags defined locally in the project), this method returns the profile in which the tag was defined.
java.lang.String	getMultiplicity () Returns the multiplicity that was specified for the tag.
java.lang.String	getTagMetaClass () Returns the name of the metaclass to which the tag is applicable.
java.lang.String	getValue () Returns the value of the tag.
void	setMultiplicity (java.lang.String multiplicity) Specifies the multiplicity for the tag.
void	setTagContextValue (IRPCollection elements, IRPCollection multiplicities) Sets the value of the tag to a specific instance of another model element.

Method Summary

void	setTagMetaClass (java.lang.String tagMetaClass) Specifies the metaclass to which the tag should be applicable, for example, "Class".
void	setValue (java.lang.String value) Sets the value of the tag.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPVariable](#)

[addElementDefaultValue](#), [addStringDefaultValue](#), [getDeclaration](#), [getDefaultValue](#), [getType](#), [getValueSpecifications](#), [setDeclaration](#), [setDefaultValue](#), [setType](#), [setTypeDeclaration](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getBase

[IRPTag](#) `getBase()`

Returns the base tag on which the local copy of the tag is based. This method is relevant for tags that belong to stereotypes and tags that belong to profiles, but not for tags that were added locally to a specific model element.

Returns:

the base tag on which the local copy of the tag is based

getFromProfile

[IRPProfile](#) `getFromProfile()`

For tags whose source is a profile that was added to the project (as opposed to tags defined locally in the project), this method returns the profile in which the tag was defined.

Returns:

the profile in which the tag was defined

getMultiplicity

`java.lang.String` `getMultiplicity()`

Returns the multiplicity that was specified for the tag.

Returns:

the multiplicity that was specified for the tag

getTagMetaClass

`java.lang.String` `getTagMetaClass()`

Returns the name of the metaclass to which the tag is applicable. Relevant only for tags that belong to a profile.

Returns:

the name of the metaclass to which the tag is applicable

getValue

`java.lang.String` `getValue()`

Returns the value of the tag.

Returns:

the value of the tag

setMultiplicity

```
void setMultiplicity(java.lang.String multiplicity)
```

Specifies the multiplicity for the tag.

Parameters:

`multiplicity` - the multiplicity to use for the tag. You can use strings such as "1" or "14" to specify a specific number, or you can use one of the values listed in the Features dialog for tags: "0,1", "*", or "1..*".

setTagContextValue

```
void setTagContextValue(IRPCollection elements,  
                        IRPCollection multiplicities)
```

Sets the value of the tag to a specific instance of another model element.

Parameters:

`elements` - collection of model elements representing the full path to the element. This collection is used to set the value of the tag to the full path of the target element. The collection must consist of objects of type IRPModelElement.

`multiplicities` - collection of the relevant indices for each of the model elements in the first collection (the "elements" parameter). This makes it possible to point to a specific instance of the target model element when multiplicity is greater than one. The collection must consist of integers provided as strings.

setTagMetaClass

```
void setTagMetaClass(java.lang.String tagMetaClass)
```

Specifies the metaclass to which the tag should be applicable, for example, "Class". Relevant only for tags that belong to a profile.

Parameters:

`tagMetaClass` - the metaclass to which the tag should be applicable

setValue

```
void setValue(java.lang.String value)
```

Sets the value of the tag.

Parameters:

`value` - the value to use for the tag

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com.telelogic.rhapsody.core Interface IRPTemplateInstantiation

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPTemplateInstantiation
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPCollection	getTemplateInstantiationParameters () get property templateInstantiationParameters
-------------------------------	---

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyvalue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

getTemplateInstantiationParameters

[IRPCollection](#) `getTemplateInstantiationParameters()`

get property templateInstantiationParameters

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPTemplateInstantiationParameter

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPTemplateInstantiationParameter
extends IRPModelElement
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getArgValue () get property declaration
IRPClassifier	getType () get property type
void	setArgValue (java.lang.String argValue) set property declaration
void	setType (IRPClassifier type) set property type

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getArgValue**

```
java.lang.String getArgValue()
```

get property declaration

Throws:

[RhapsodyRuntimeException](#)

getType

```
IRPClassifier getType()
```

get property type

Throws:

[RhapsodyRuntimeException](#)

setArgValue

```
void setArgValue(java.lang.String argValue)
```

set property declaration

Throws:

[RhapsodyRuntimeException](#)

setType

void **setType**([IRPClassifier](#) type)

set property type

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPTemplateParameter

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#), [IRPVariable](#)

```
public interface IRPTemplateParameter
extends IRPVariable
```

The IRPTemplateParameter interface represents parameters of a template in Rhapsody models.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getParameterKind () Returns the type of the template parameter.
IRPModelElement	getRepresentative () For internal use only.
void	setClassType () Sets the type of the parameter to "class".
void	setParameterKind (java.lang.String parameterKind) Used to specify the type of the template parameter.
void	setRepresentative (IRPModelElement representative) For internal use only.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPVariable](#)

[addElementDefaultValue](#), [addStringDefaultValue](#), [getDeclaration](#), [getDefaultValue](#), [getType](#), [getValueSpecifications](#), [setDeclaration](#), [setDefaultValue](#), [setType](#), [setTypeDeclaration](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getParameterKind**

```
java.lang.String getParameterKind()
```

Returns the type of the template parameter.

Returns:

the type of the template parameter

getRepresentative

[IRPModelElement](#) `getRepresentative()`

For internal use only.

setClassType

void `setClassType()`

Sets the type of the parameter to "class".

setParameterKind

void `setParameterKind`(java.lang.String parameterKind)

Used to specify the type of the template parameter.

Parameters:

parameterKind - the type to use for the template parameter

setRepresentative

void `setRepresentative`([IRPModelElement](#) representative)

For internal use only.

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com.telelogic.rhapsody.core Interface IRPTimingDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPSequenceDiagram](#), [IRPUnit](#)

```
public interface IRPTimingDiagram
extends IRPSequenceDiagram
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

int	getIsElaborated () Checks whether the the timing diagram is an elaborated timing diagram.
void	setIsElaborated (int isElaborated) Specifies whether the diagram should be an elaborated timing diagram or a compact timing diagram.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPSequenceDiagram](#)

[getLogicalCollaboration](#), [getRelatedUseCases](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getIsElaborated**

```
int getIsElaborated()
```

Checks whether the the timing diagram is an elaborated timing diagram.

Returns:

indication of whether the diagram is an elaborated timing diagram. 1 means that the diagram is an elaborated timing diagram, 0 means that the diagram is a compact timing diagram.

setIsElaborated

```
void setIsElaborated(int isElaborated)
```

Specifies whether the diagram should be an elaborated timing diagram or a compact timing diagram.

Parameters:

`isElaborated` - Use 1 to indicate that the diagram should be an elaborated timing diagram, 0 to indicate that the diagram should be a compact timing diagram. Note that the type of the timing diagram should not be changed after you have already added elements to the diagram.

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com.telelogic.rhapsody.core Interface IRPTransition

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPTransition
extends IRPModelElement
```

The IRPTransition interface represents transitions in a statechart.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPTransition	getInheritsFrom () For transitions inherited from a base statechart, returns the base transition from which this transition is derived.
int	getIsOverridden () Checks whether the transition is a new transition added to the derived statechart, or a transition inherited from the base statechart.
IRPAction	getItsAction () Returns the action that was set for the transition.
IRPGuard	getItsGuard () Returns the guard that was set for the transition.
java.lang.String	getItsLabel () Returns the trigger, guard, and action for the transition, as a single string, as it appears in the label for the transition in the statechart, for example, IgnitionEvent[gear == 0]/runStarter().
IRPStateVertex	getItsSource () Returns the state that is the source of the transition.
IRPStatechart	getItsStatechart () Returns the statechart that the transition belongs to.

Method Summary

IRPStateVertex	getItsTarget () Returns the state that is the target of the transition.
IRPTrigger	getItsTrigger () Returns the trigger that was set for the transition.
IRPState	getOfState () For default transitions, returns the state where the transition originates.
int	isDefaultTransition () Checks whether this is the default transition of the statechart.
int	isStaticReaction () Checks whether the transition is an internal transition in a state.
IRPCollection	itsCompoundSource () method itsCompoundSource
void	overrideInheritance () For internal use only.
IRPTransition	resetLabelInheritance () Restores inheritance from the base statechart for the three components that make up the transition label: trigger, guard, and action.
IRPAction	setItsAction (java.lang.String action) Sets the action for the transition.
IRPGuard	setItsGuard (java.lang.String guard) Sets the guard for the transition.
void	setItsLabel (java.lang.String trigger, java.lang.String guard, java.lang.String action) Sets the trigger, guard, and action for the transition.
void	setItsSource (IRPStateVertex itsSource) Sets the source of the transition.
void	setItsStatechart (IRPStatechart itsStatechart) For internal use only.
void	setItsTarget (IRPStateVertex itsTarget) Sets the target of the transition.
IRPTrigger	setItsTrigger (java.lang.String trigger) Sets the trigger for the transition.
void	unoverrideInheritance () For internal use only.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTE](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**getInheritsFrom**

[IRPTransition](#) `getInheritsFrom()`

For transitions inherited from a base statechart, returns the base transition from which this transition is derived.

Returns:

the base transition from which this transition is derived

Throws:

[RhapsodyRuntimeException](#)

getIsOverridden

`int getIsOverridden()`

Checks whether the transition is a new transition added to the derived statechart, or a transition inherited from the base statechart.

Returns:

1 if the transition is a new transition added to the derived statechart, 0 if the transition is inherited from the base statechart

Throws:

[RhapsodyRuntimeException](#)

getItsAction

[IRPAction](#) `getItsAction()`

Returns the action that was set for the transition.

Returns:

the action for the transition

Throws:

[RhapsodyRuntimeException](#)

getItsGuard

[IRPGuard](#) `getItsGuard()`

Returns the guard that was set for the transition.

Returns:

the guard for the transition

Throws:

[RhapsodyRuntimeException](#)

getItsLabel

`java.lang.String` `getItsLabel()`

Returns the trigger, guard, and action for the transition, as a single string, as it appears in the label for the transition in the statechart, for example, IgnitionEvent[gear == 0]/runStarter().

Returns:

string consisting of the trigger, guard, and action for the transition

Throws:

[RhapsodyRuntimeException](#)

getItsSource

[IRPStateVertex](#) `getItsSource()`

Returns the state that is the source of the transition.

Returns:

the state that is the source of the transition

Throws:

[RhapsodyRuntimeException](#)

getItsStatechart

[IRPStatechart](#) `getItsStatechart ()`

Returns the statechart that the transition belongs to.

Returns:

the statechart that the transition belongs to

Throws:

[RhapsodyRuntimeException](#)

getItsTarget

[IRPStateVertex](#) `getItsTarget ()`

Returns the state that is the target of the transition.

Returns:

the state that is the target of the transition

Throws:

[RhapsodyRuntimeException](#)

getItsTrigger

[IRPTrigger](#) `getItsTrigger ()`

Returns the trigger that was set for the transition.

Returns:

the trigger for the transition

Throws:

[RhapsodyRuntimeException](#)

getOfState

[IRPState](#) `getOfState ()`

For default transitions, returns the state where the transition originates. If called on a non-default transition, returns null.

Returns:

the state where the transition originates (for default transitions)

Throws:

[RhapsodyRuntimeException](#)

isDefaultTransition

`int isDefaultTransition ()`

Checks whether this is the default transition of the statechart.

Returns:

getItsStatechart

1 if the transition is the default transition, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isStaticReaction

int **isStaticReaction**()

Checks whether the transition is an internal transition in a state.

Returns:

1 if the transition is an internal transition, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

itsCompoundSource

[IRPCollection](#) **itsCompoundSource**()

method itsCompoundSource

Throws:

[RhapsodyRuntimeException](#)

overrideInheritance

void **overrideInheritance**()

For internal use only.

resetLabelInheritance

[IRPTransition](#) **resetLabelInheritance**()

Restores inheritance from the base statechart for the three components that make up the transition label: trigger, guard, and action.

Returns:

the transition on which the method was called

Throws:

[RhapsodyRuntimeException](#)

setItsAction

[IRPAction](#) **setItsAction**(java.lang.String action)

Sets the action for the transition.

Parameters:

`action` - the action to use for the transition, for example, "runStarter()"

Returns:

the action that was created

Throws:

[RhapsodyRuntimeException](#)

setItsGuard

[IRPGuard](#) `setItsGuard`(java.lang.String guard)

Sets the guard for the transition.

Parameters:

`guard` - the guard to use for the transition, for example, "gear == 0"

Returns:

the guard that was created

Throws:

[RhapsodyRuntimeException](#)

setItsLabel

```
void setItsLabel(java.lang.String trigger,  
                java.lang.String guard,  
                java.lang.String action)
```

Sets the trigger, guard, and action for the transition.

Parameters:

`trigger` - the trigger to use for the transition - can be an event or triggered operation. If you use a string that does not match an existing event or triggered operation, a new event with that name is created.

`guard` - the guard to use for the transition, for example, "gear == 0"

`action` - the action to use for the transition, for example, "runStarter()"

Throws:

[RhapsodyRuntimeException](#)

setItsSource

```
void setItsSource(IRPStateVertex itsSource)
```

Sets the source of the transition. Note that this method can only be used before the method `createGraphics` is called. Once the graphics have been created, you cannot use `setItsSource` to change the source of the transition.

Parameters:

`itsSource` - the state that should be used as the source of the transition.

Throws:

[RhapsodyRuntimeException](#)

setItsStatechart

```
void setItsStatechart (IRPStatechart itsStatechart)
```

For internal use only.

setItsTarget

```
void setItsTarget (IRPStateVertex itsTarget)
```

Sets the target of the transition. Note that this method can only be used before the method createGraphics is called. Once the graphics have been created, you cannot use setItsTarget to change the target of the transition.

Parameters:

itsTarget - the state that should be used as the target of the transition.

Throws:

[RhapsodyRuntimeException](#)

setItsTrigger

```
IRPTrigger setItsTrigger (java.lang.String trigger)
```

Sets the trigger for the transition.

Parameters:

trigger - the trigger to use for the transition - can be an event or triggered operation. If you use a string that does not match an existing event or triggered operation, a new event with that name is created.

Returns:

the trigger that was created

Throws:

[RhapsodyRuntimeException](#)

unoverrideInheritance

```
void unoverrideInheritance ()
```

For internal use only.

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com.telelogic.rhapsody.core Interface IRPTrigger

All Superinterfaces:

[IRPModelElement](#)

```
public interface IRPTrigger
extends IRPModelElement
```

The IRPTrigger interface represents the trigger of a transition in a statechart.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

java.lang.String	getBody () get property body
IRPInterfaceItem	getItsOperation () method getItsOperation
int	isOperation () method isOperation
int	isTimeout () method isTimeout
void	setBody (java.lang.String body) set property body

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
[getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),
[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),
[getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#),
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[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

Method Detail**getBody**

```
java.lang.String getBody()
```

get property body

Throws:

[RhapsodyRuntimeException](#)

getItsOperation

```
IRPInterfaceItem getItsOperation()
```

method getItsOperation

Throws:

[RhapsodyRuntimeException](#)

isOperation

```
int isOperation()
```

method isOperation

Throws:

[RhapsodyRuntimeException](#)

isTimeout

int **isTimeout** ()

method isTimeout

Throws:

[RhapsodyRuntimeException](#)

setBody

void **setBody** (java.lang.String body)

set property body

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPType

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPType
extends IRPClassifier
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPEnumerationLiteral	addEnumerationLiteral (java.lang.String name) method addEnumerationLiteral
void	deleteEnumerationLiteral (IRPEnumerationLiteral literal) method deleteEnumerationLiteral
java.lang.String	getDeclaration () get property declaration
IRPCollection	getEnumerationLiterals () get property enumerationLiterals
int	getIsPredefined () get property isPredefined
int	getIsTypedef () get property isTypedef
int	getIsTypedefConstant () get property isTypedefConstant
int	getIsTypedefOrdered () get property isTypedefOrdered
int	getIsTypedefReference () get property isTypedefReference

Method Summary	
java.lang.String	getKind() get property kind
IRPClassifier	getTypedefBaseType() get property typedefBaseType
java.lang.String	getTypedefMultiplicity() get property typedefMultiplicity
int	isArray() method isArray
int	isEnum() For types whose "kind" was set to Language, parses the declaration to see if the type is actually an enum.
int	isEqualTo() method isEqualTo
int	isImplicit() method isImplicit
int	isKindEnumeration() Checks whether the "kind" of the type is Enumeration.
int	isKindLanguage() Checks whether the "kind" of the type was set to Language.
int	isKindStruct() Checks whether the "kind" of the type is Structure.
int	isKindTypedef() Checks whether the "kind" of the type is Typedef.
int	isKindUnion() Checks whether the "kind" of the type is Union.
int	isPointer() method isPointer
int	isPointerToPointer() method isPointerToPointer
int	isReference() method isReference
int	isReferenceToPointer() method isReferenceToPointer
int	isStruct() For types whose "kind" was set to Language, parses the declaration to see if the type is actually a struct.
int	isTemplate() method isTemplate
int	

Method Summary

	isUnion () For types whose "kind" was set to Language, parses the declaration to see if the type is actually a union.
void	setDeclaration (java.lang.String declaration) set property declaration
void	setIsTypedefConstant (int isTypedefConstant) set property isTypedefConstant
void	setIsTypedefOrdered (int isTypedefOrdered) set property isTypedefOrdered
void	setIsTypedefReference (int isTypedefReference) set property isTypedefReference
void	setKind (java.lang.String kind) set property kind
void	setTypedefBaseType (IRPClassifier typedefBaseType) set property typedefBaseType
void	setTypedefMultiplicity (java.lang.String typedefMultiplicity) set property typedefMultiplicity

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#),
[getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#),
[getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#),
[getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#),
[getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#),
[getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),
[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#),
[getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLLinks](#),
[getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#),
[getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#),
[getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#),
[getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),
[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayname](#), [setDisplaynameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

Method Detail**addEnumerationLiteral**

[IRPEnumerationLiteral](#) **addEnumerationLiteral**(java.lang.String name)

method addEnumerationLiteral

Throws:

[RhapsodyRuntimeException](#)

deleteEnumerationLiteral

void **deleteEnumerationLiteral**([IRPEnumerationLiteral](#) literal)

method deleteEnumerationLiteral

Throws:

[RhapsodyRuntimeException](#)

getDeclaration

java.lang.String **getDeclaration**()

get property declaration

Throws:

[RhapsodyRuntimeException](#)

getEnumerationLiterals

[IRPCollection](#) `getEnumerationLiterals()`

get property enumerationLiterals

Throws:

[RhapsodyRuntimeException](#)

getIsPredefined

`int getIsPredefined()`

get property isPredefined

Throws:

[RhapsodyRuntimeException](#)

getIsTypedef

`int getIsTypedef()`

get property isTypedef

Throws:

[RhapsodyRuntimeException](#)

getIsTypedefConstant

`int getIsTypedefConstant()`

get property isTypedefConstant

Throws:

[RhapsodyRuntimeException](#)

getIsTypedefOrdered

`int getIsTypedefOrdered()`

get property isTypedefOrdered

Throws:

[RhapsodyRuntimeException](#)

getIsTypedefReference

int **getIsTypedefReference**()

get property isTypedefReference

Throws:

[RhapsodyRuntimeException](#)

getKind

java.lang.String **getKind**()

get property kind

Throws:

[RhapsodyRuntimeException](#)

getTypedefBaseType

[IRPClassifier](#) **getTypedefBaseType**()

get property typedefBaseType

Throws:

[RhapsodyRuntimeException](#)

getTypedefMultiplicity

java.lang.String **getTypedefMultiplicity**()

get property typedefMultiplicity

Throws:

[RhapsodyRuntimeException](#)

isArray

int **isArray**()

method isArray

Throws:

[RhapsodyRuntimeException](#)

isEnum

int **isEnum**()

For types whose "kind" was set to Language, parses the declaration to see if the type is actually an enum.

Returns:

1 if the type is an enum, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isEqualTo

int `isEqualTo()`

method `isEqualTo`

Throws:

[RhapsodyRuntimeException](#)

isImplicit

int `isImplicit()`

method `isImplicit`

Throws:

[RhapsodyRuntimeException](#)

isKindEnumeration

int `isKindEnumeration()`

Checks whether the "kind" of the type is Enumeration.

Returns:

1 if the "kind" of the type is Enumeration, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isKindLanguage

int `isKindLanguage()`

Checks whether the "kind" of the type was set to Language.

Returns:

1 if the "kind" of the type is Language, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isKindStruct

int `isKindStruct()`

Checks whether the "kind" of the type is Structure.

Returns:

1 if the "kind" of the type is Structure, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isKindTypedef

int **isKindTypedef**()

Checks whether the "kind" of the type is Typedef.

Returns:

1 if the "kind" of the type is Typedef, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isKindUnion

int **isKindUnion**()

Checks whether the "kind" of the type is Union.

Returns:

1 if the "kind" of the type is Union, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isPointer

int **isPointer**()

method isPointer

Throws:

[RhapsodyRuntimeException](#)

isPointerToPointer

int **isPointerToPointer**()

method isPointerToPointer

Throws:

[RhapsodyRuntimeException](#)

isReference

int **isReference**()

method isReference

isKindStruct

Throws:

[RhapsodyRuntimeException](#)

isReferenceToPointer

`int isReferenceToPointer()`

method isReferenceToPointer

Throws:

[RhapsodyRuntimeException](#)

isStruct

`int isStruct()`

For types whose "kind" was set to Language, parses the declaration to see if the type is actually a struct.

Returns:

1 if the type is a struct, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

isTemplate

`int isTemplate()`

method isTemplate

Throws:

[RhapsodyRuntimeException](#)

isUnion

`int isUnion()`

For types whose "kind" was set to Language, parses the declaration to see if the type is actually a union.

Returns:

1 if the type is a union, 0 otherwise

Throws:

[RhapsodyRuntimeException](#)

setDeclaration

`void setDeclaration(java.lang.String declaration)`

set property declaration

Throws:

[RhapsodyRuntimeException](#)

setIsTypedefConstant

void **setIsTypedefConstant**(int isTypedefConstant)

set property isTypedefConstant

Throws:

[RhapsodyRuntimeException](#)

setIsTypedefOrdered

void **setIsTypedefOrdered**(int isTypedefOrdered)

set property isTypedefOrdered

Throws:

[RhapsodyRuntimeException](#)

setIsTypedefReference

void **setIsTypedefReference**(int isTypedefReference)

set property isTypedefReference

Throws:

[RhapsodyRuntimeException](#)

setKind

void **setKind**(java.lang.String kind)

set property kind

Throws:

[RhapsodyRuntimeException](#)

setTypedefBaseType

void **setTypedefBaseType**([IRPCClassifier](#) typedefBaseType)

set property typedefBaseType

Throws:

[RhapsodyRuntimeException](#)

setTypedefMultiplicity

void **setTypedefMultiplicity**(java.lang.String typedefMultiplicity)

set property typedefMultiplicity

Throws:

[RhapsodyRuntimeException](#)

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[Package](#) [Class](#) [Use Tree](#) [Serialized](#) [Deprecated](#) [Index](#) [Help](#)
[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#) [All Classes](#)SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.telelogic.rhapsody.core Interface IRPUnit

All Superinterfaces:[IRPModelElement](#)**All Known Subinterfaces:**

[IRPActivityDiagram](#), [IRPActor](#), [IRPAnnotation](#), [IRPArgument](#), [IRPAssociationClass](#), [IRPAttribute](#), [IRPClass](#), [IRPClassifier](#), [IRPCollaborationDiagram](#), [IRPComment](#), [IRPComponent](#), [IRPComponentDiagram](#), [IRPConstraint](#), [IRPControlledFile](#), [IRPDeploymentDiagram](#), [IRPDiagram](#), [IRPEvent](#), [IRPEventReception](#), [IRPFile](#), [IRPFlowchart](#), [IRPFlowItem](#), [IRPInstance](#), [IRPInterfaceItem](#), [IRPLink](#), [IRPMatrixLayout](#), [IRPMatrixView](#), [IRPModule](#), [IRPNode](#), [IRPObjectModelDiagram](#), [IRPOperation](#), [IRPPackage](#), [IRPPanelDiagram](#), [IRPPort](#), [IRPProfile](#), [IRPProject](#), [IRPRelation](#), [IRPRequirement](#), [IRPSequenceDiagram](#), [IRPStatechart](#), [IRPStatechartDiagram](#), [IRPStereotype](#), [IRPStructureDiagram](#), [IRPSysMLPort](#), [IRPTableLayout](#), [IRPTableView](#), [IRPTag](#), [IRPTemplateParameter](#), [IRPTimingDiagram](#), [IRPType](#), [IRPUseCase](#), [IRPUseCaseDiagram](#), [IRPVariable](#)

```
public interface IRPUnit
extends IRPModelElement
```

The IRPUnit interface represents model elements that can be saved as separate files.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPUnit	copyToAnotherProject (IRPModelElement parentInTarget) Makes an editable copy of the unit in a different project.
int	getAddToModelMode () Returns an indication of how the unit was added to the model.
java.lang.String	getCMHeader () Returns the header used by the Configuration Management tool for the unit.
int	getCMState ()

Method Summary	
	Returns the configuration management state of the unit.
java.lang.String	getCurrentDirectory () Gets the name of the directory that contains the file used to store the unit.
java.lang.String	getFilename () Gets the name of the file used to store the unit.
int	getIncludeInNextLoad () Checks whether the unit is going to be loaded the next time the model is loaded.
int	getIsStub () Checks whether the unit is currently unloaded.
java.lang.String	getLanguage () Gets the language of the unit.
java.lang.String	getLastModifiedTime () Returns the time at which the file representing the unit was last modified.
IRPCollection	getNestedSaveUnits () Returns a collection of any sub-elements of the unit that were saved as individual files.
int	getNestedSaveUnitsCount () Returns the number of sub-elements of the unit that were saved as individual files.
IRPCollection	getStructureDiagrams () Returns a collection of any structure diagrams that are sub-elements of the unit.
int	isReadOnly () Checks whether the file used to store the unit is read-only.
int	isReferenceUnit () Checks whether the unit was added to the model as a reference.
int	isSeparateSaveUnit () Checks whether the current IRPUnit object is saved in its own file.
IRPUnit	load (int withSubs) Loads the unit.
IRPUnit	moveToAnotherProjectLeaveAReference (IRPModelElement parentInTarget) Moves the unit to a different project, and adds a reference to it in the original project.
IRPUnit	referenceToAnotherProject (IRPModelElement parentInTarget) Creates a reference to the unit in a different project.
void	save (int withSubs) Saves the unit.
void	setCMHeader (java.lang.String cMHeader) Sets the Configuration Management tool header for the unit.
void	setFilename (java.lang.String filename) Specifies the name that should be used for the file representing the unit.

Method Summary

void	<u>setIncludeInNextLoad</u> (int includeInNextLoad) Toggles whether the unit is going to be loaded the next time the model is loaded.
void	<u>setLanguage</u> (java.lang.String newLanguage, int recursive) Specifies the programming language that should be used when code is generated for the unit.
void	<u>setReadOnly</u> (int pVal) Toggles the read-only status of the file used to store the unit.
void	<u>setSeparateSaveUnit</u> (int pVal) Specifies whether the current IRPUnit object should be saved in its own file.
void	<u>setUnitPath</u> (java.lang.String newPath) Specifies the path that should be used to locate the unit when it is added to a model "By Reference".
void	<u>unload</u> () Unloads the unit.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highLightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail

copyToAnotherProject

[IRPUnit](#) `copyToAnotherProject` ([IRPModelElement](#) parentInTarget)

Makes an editable copy of the unit in a different project.

Parameters:

parentInTarget - the model element that will be the parent of the new unit in the target project

Returns:

the editable unit that was created in the target project

getAddToModelMode

`int` `getAddToModelMode` ()

Returns an indication of how the unit was added to the model. See [IRPApplication.AddToModel_Mode](#) for the possible values.

Returns:

indication of how the unit was added to the model

getCMHeader

`java.lang.String` `getCMHeader` ()

Returns the header used by the Configuration Management tool for the unit.

Returns:

the header used by the Configuration Management tool for the unit

getCMState

`int` `getCMState` ()

Returns the configuration management state of the unit.

Returns:

the configuration management state of the unit

getCurrentDirectory

`java.lang.String` `getCurrentDirectory` ()

Gets the name of the directory that contains the file used to store the unit. The string returned consists of the full path except for the name of the file itself.

Returns:

the name of the directory that contains the file used to store the unit

getFilename

java.lang.String **getFilename()**

Gets the name of the file used to store the unit. The string returned consists only of the filename, not the entire path.

Returns:

the name of the file used to store the unit

getIncludeInNextLoad

int **getIncludeInNextLoad()**

Checks whether the unit is going to be loaded the next time the model is loaded.

Returns:

1 if the unit is going to be loaded the next time the model is loaded, 0 if the unit is not going to be loaded

getIsStub

int **getIsStub()**

Checks whether the unit is currently unloaded.

Returns:

1 if the unit is not currently loaded, 0 if it is currently loaded

getLanguage

java.lang.String **getLanguage()**

Gets the language of the unit.

Returns:

the language of the unit

getLastModifiedTime

java.lang.String **getLastModifiedTime()**

Returns the time at which the file representing the unit was last modified.

Returns:

the time at which the file representing the unit was last modified

getNestedSaveUnits

[IRPCollection](#) `getNestedSaveUnits()`

Returns a collection of any sub-elements of the unit that were saved as individual files.

Returns:

any sub-elements of the unit that were saved as individual files

getNestedSaveUnitsCount

`int getNestedSaveUnitsCount()`

Returns the number of sub-elements of the unit that were saved as individual files.

Returns:

the number of sub-elements of the unit that were saved as individual files

getStructureDiagrams

[IRPCollection](#) `getStructureDiagrams()`

Returns a collection of any structure diagrams that are sub-elements of the unit. Used primarily for structure diagrams that belong to individual classes.

Returns:

any structure diagrams that are sub-elements of the unit

isReadOnly

`int isReadOnly()`

Checks whether the file used to store the unit is read-only.

Returns:

1 if the file is read-only, 0 if the file is not read-only

isReferenceUnit

`int isReferenceUnit()`

Checks whether the unit was added to the model as a reference.

Returns:

1 if the unit was added to the model as a reference, 0 if it was not added as a reference

isSeparateSaveUnit

`int isSeparateSaveUnit()`

Checks whether the current IRPUnit object is saved in its own file. (Keep in mind that IRPUnit objects represent any element that can in theory be saved as a separate file, even if this is not the case for a specific element in your model.)

Returns:

1 if the unit is saved in its own file, 0 otherwise

load

[IRPUnit](#) `load(int withSubs)`

Loads the unit.

Parameters:

`withSubs` - indication of whether the unit's subunits should be loaded as well (1 to load the subunits as well, 0 to load only the unit itself)

Returns:

the unit that was loaded

moveToAnotherProjectLeaveAReference

[IRPUnit](#) `moveToAnotherProjectLeaveAReference(IRPModelElement parentInTarget)`

Moves the unit to a different project, and adds a reference to it in the original project.

Parameters:

`parentInTarget` - the model element that will be the parent of the new unit in the target project

Returns:

the editable unit that was created in the target project

referenceToAnotherProject

[IRPUnit](#) `referenceToAnotherProject(IRPModelElement parentInTarget)`

Creates a reference to the unit in a different project.

Parameters:

`parentInTarget` - the model element that will be the parent of the reference (read-only) unit created in the target project

Returns:

the reference (read-only) unit that was created in the target project

save

`void save(int withSubs)`

Saves the unit.

Parameters:

`withSubs` - indication of whether the unit's subunits should be saved as well (1 to save the subunits as well, 0 to save only the unit itself)

setCMHeader

```
void setCMHeader(java.lang.String cMHeader)
```

Sets the Configuration Management tool header for the unit.

Parameters:

`cMHeader` - the Configuration Management tool header to use for the unit

setFilename

```
void setFilename(java.lang.String filename)
```

Specifies the name that should be used for the file representing the unit. The string should only include the first part of the filename, Rhapsody handles the file extension. (Note that if you change the filename, the old file remains on disk.)

Parameters:

`filename` - the name that should be used for the file representing the unit

setIncludeInNextLoad

```
void setIncludeInNextLoad(int includeInNextLoad)
```

Toggles whether the unit is going to be loaded the next time the model is loaded.

Parameters:

`includeInNextLoad` - Use 1 to specify that the unit should be loaded the next time the model is loaded, 0 to specify that the unit should not be loaded

setLanguage

```
void setLanguage(java.lang.String newLanguage,  
                 int recursive)
```

Specifies the programming language that should be used when code is generated for the unit. This method can be used for mixed-language models.

Parameters:

`newLanguage` - use one of the following strings: C++ or `cpp`, C, Java, Ada, C#
`recursive` - use 1 if you want to set the language for all subunits of the element, otherwise use 0

```
jeepUnit.setLanguage("cpp", 0);
```

setReadOnly

```
void setReadOnly(int pVal)
```

Toggles the read-only status of the file used to store the unit.

Parameters:

pVal - Use 1 to change the file to read-only, 0 to change the file to read/write

setSeparateSaveUnit

```
void setSeparateSaveUnit(int pVal)
```

Specifies whether the current IRPUnit object should be saved in its own file. (Keep in mind that IRPUnit objects represent any element that can in theory be saved as a separate file, even if this is not the case for a specific element in your model.)

Parameters:

pVal - Use 1 to specify that the element should be saved in its own file. Use 0 to specify that the element should not be saved in its own file

setUnitPath

```
void setUnitPath(java.lang.String newPath)
```

Specifies the path that should be used to locate the unit when it is added to a model "By Reference".

Parameters:

newPath - the path that should be used to locate the unit when it is added to a model "By Reference"

unload

```
void unload()
```

Unloads the unit.

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com.telelogic.rhapsody.core Interface IRPUseCase

All Superinterfaces:

[IRPClassifier](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPUseCase
extends IRPClassifier
```

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

void	addDescribingDiagram (IRPDiagram diagram) method addDescribingDiagram
IRPEventReception	addEventReceptionWithEvent (java.lang.String name, IRPEvent event) Adds a new event reception, using the specified event.
void	addExtensionPoint (java.lang.String entryPoint) method addExtensionPoint
void	deleteDescribingDiagram (IRPDiagram diagram) method deleteDescribingDiagram
void	deleteEntryPoint (java.lang.String entryPoint) method deleteEntryPoint
void	deleteExtensionPoint (java.lang.String entryPoint) method deleteExtensionPoint
java.lang.String	findEntryPoint (IRPGeneralization gen) method findEntryPoint
java.lang.String	findExtensionPoint (IRPGeneralization gen) method findExtensionPoint
IRPDiagram	getDescribingDiagram (java.lang.String name) method getDescribingDiagram

Method Summary

IRPCollection	getDescribingDiagrams () get property describingDiagrams
IRPCollection	getEntryPoints () get property entryPoints
IRPCollection	getExtensionPoints () get property extensionPoints
int	getIsBehaviorOverriden () get property isBehaviorOverriden
void	setIsBehaviorOverriden (int isBehaviorOverriden) set property isBehaviorOverriden
int	updateContainedDiagramsOnServer (int enforceUpdate) Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the use case.

Methods inherited from interface com.telelogic.rhapsody.core.[IRPClassifier](#)

[addActivityDiagram](#), [addAttribute](#), [addFlowItems](#), [addFlows](#), [addGeneralization](#), [addOperation](#), [addRelation](#), [addRelationTo](#), [addStatechart](#), [addUnidirectionalRelation](#), [addUnidirectionalRelationTo](#), [deleteAttribute](#), [deleteFlowItems](#), [deleteFlows](#), [deleteGeneralization](#), [deleteOperation](#), [deleteRelation](#), [findAttribute](#), [findBaseClassifier](#), [findDerivedClassifier](#), [findGeneralization](#), [findInterfaceItem](#), [findNestedClassifier](#), [findNestedClassifierRecursive](#), [findRelation](#), [findTrigger](#), [getActivityDiagram](#), [getAttributes](#), [getAttributesIncludingBases](#), [getBaseClassifiers](#), [getBehavioralDiagrams](#), [getDerivedClassifiers](#), [getFlowItems](#), [getFlows](#), [getGeneralizations](#), [getInterfaceItems](#), [getInterfaceItemsIncludingBases](#), [getLinks](#), [getNestedClassifiers](#), [getOperations](#), [getPorts](#), [getRelations](#), [getRelationsIncludingBases](#), [getSequenceDiagrams](#), [getSourceArtifacts](#), [getStatechart](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

Method Detail**addDescribingDiagram**

void **addDescribingDiagram** ([IRPDiagram](#) diagram)

method addDescribingDiagram

Throws:

[RhapsodyRuntimeException](#)

addEventReceptionWithEvent

[IRPEventReception](#) **addEventReceptionWithEvent** (java.lang.String name, [IRPEvent](#) event)

Adds a new event reception, using the specified event.

Parameters:

name - the name to use for the new event reception

event - the event that should be associated with the new event reception

Returns:

the event reception that was created

Throws:

[RhapsodyRuntimeException](#)

addExtensionPoint

void **addExtensionPoint** (java.lang.String entryPoint)

method addExtensionPoint

addDescribingDiagram

Throws:

[RhapsodyRuntimeException](#)

deleteDescribingDiagram

void **deleteDescribingDiagram**([IRPDiagram](#) diagram)

method deleteDescribingDiagram

Throws:

[RhapsodyRuntimeException](#)

deleteEntryPoint

void **deleteEntryPoint**(java.lang.String entryPoint)

method deleteEntryPoint

Throws:

[RhapsodyRuntimeException](#)

deleteExtensionPoint

void **deleteExtensionPoint**(java.lang.String entryPoint)

method deleteExtensionPoint

Throws:

[RhapsodyRuntimeException](#)

findEntryPoint

java.lang.String **findEntryPoint**([IRPGeneralization](#) gen)

method findEntryPoint

Throws:

[RhapsodyRuntimeException](#)

findExtensionPoint

java.lang.String **findExtensionPoint**([IRPGeneralization](#) gen)

method findExtensionPoint

Throws:

[RhapsodyRuntimeException](#)

getDescribingDiagram

[IRPDiagram](#) `getDescribingDiagram(java.lang.String name)`

method `getDescribingDiagram`

Throws:

[RhapsodyRuntimeException](#)

getDescribingDiagrams

[IRPCollection](#) `getDescribingDiagrams()`

get property `describingDiagrams`

Throws:

[RhapsodyRuntimeException](#)

getEntryPoints

[IRPCollection](#) `getEntryPoints()`

get property `entryPoints`

Throws:

[RhapsodyRuntimeException](#)

getExtensionPoints

[IRPCollection](#) `getExtensionPoints()`

get property `extensionPoints`

Throws:

[RhapsodyRuntimeException](#)

getIsBehaviorOverriden

`int getIsBehaviorOverriden()`

get property `isBehaviorOverriden`

Throws:

[RhapsodyRuntimeException](#)

setIsBehaviorOverriden

`void setIsBehaviorOverriden(int isBehaviorOverriden)`

set property `isBehaviorOverriden`

Throws:

`getDescribingDiagram`

updateContainedDiagramsOnServer

```
int updateContainedDiagramsOnServer(int enforceUpdate)
```

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the use case.

Parameters:

`enforceUpdate` - Use 0 to specify that a view should be updated only if changes that affect the diagram were made since the last update. Use 1 to specify that views should be updated regardless of whether or not changes that affect the diagram were made since the last update.

Returns:

the number of views that were updated on the server. If no diagrams require an update, 0 is returned. If the update attempt failed, -1 is returned.

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Interface IRPUseCaseDiagram

All Superinterfaces:

[IRPDiagram](#), [IRPModelElement](#), [IRPUnit](#)

```
public interface IRPUseCaseDiagram
extends IRPDiagram
```

The IRPUseCaseDiagram interface represents use case diagrams in a Rhapsody model.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPDiagram](#)

[addFreeShapeByType](#), [addImage](#), [addNewEdgeByType](#), [addNewEdgeForElement](#), [addNewNodeByType](#), [addNewNodeForElement](#), [addTextBox](#), [closeDiagram](#), [completeRelations](#), [createDiagramView](#), [getCorrespondingGraphicElements](#), [getCustomViews](#), [getDiagramViewOf](#), [getDiagramViews](#), [getElementsInDiagram](#), [getGraphicalElements](#), [getLastVisualizationModifiedTime](#), [getPicture](#), [getPictureAs](#), [getPictureAsDividedMetafiles](#), [getPictureEx](#), [getPicturesWithImageMap](#), [isDiagramView](#), [isOpen](#), [isShowDiagramFrame](#), [openDiagram](#), [openDiagramView](#), [populateDiagram](#), [rearrangePorts](#), [removeGraphElements](#), [setCustomViews](#), [setShowDiagramFrame](#), [updateViewOnServer](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPUnit](#)

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#), [unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPValueSpecification

All Superinterfaces:

[IRPModelElement](#)

All Known Subinterfaces:

[IRPContextSpecification](#), [IRPInstanceValue](#), [IRPLiteralSpecification](#)

```
public interface IRPValueSpecification
extends IRPModelElement
```

The interface IRPValueSpecification represents the UML concept of "value specification" and serves as the base interface for IRPContextSpecification, IRPInstanceValue, and IRPLiteralSpecification.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#),

Methods inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#),
[getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#),
[getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#),
[isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#),
[lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#),
[removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#),
[setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#),
[setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#),
[setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#),
[setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#),
[unlockOnDesignManager](#)

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com.telelogic.rhapsody.core Interface IRPVariable

All Superinterfaces:

[IRPModelElement](#), [IRPUnit](#)

All Known Subinterfaces:

[IRPArgument](#), [IRPAttribute](#), [IRPTag](#), [IRPTemplateParameter](#)

```
public interface IRPVariable
extends IRPUnit
```

The IRPVariable interface represents the characteristics shared by model elements such as attributes, variables, and arguments.

Nested Class Summary

Nested classes/interfaces inherited from interface com.telelogic.rhapsody.core.[IRPModelElement](#)

[IRPModelElement.OSLCLink](#)

Method Summary

IRPInstanceValue	addElementDefaultValue (IRPModelElement newDefaultVal) For tags with multiplicity greater than 1, this method can be used to add a model element as an additional value.
IRPLiteralSpecification	addStringDefaultValue (java.lang.String newDefaultVal) For tags with multiplicity greater than 1, this method can be used to add a string as an additional value.
java.lang.String	getDeclaration () Returns the type declaration if an on-the-fly type was used for the element rather than an existing type.
java.lang.String	getDefaultValue () Returns the default value that was set for the variable.
IRPClassifier	getType () Returns the type of the variable.
IRPCollection	getValueSpecifications ()

Method Summary

	Returns a collection of the initial values that were declared for elements where the multiplicity is greater than one.
void	setDeclaration (java.lang.String declaration) Specifies an "on-the-fly" declaration for the type of the element instead of using an existing type.
void	setDefaultValue (java.lang.String defaultValue) Sets a new default value for the variable.
void	setType (IRPClassifier type) Sets the type of the variable.
void	setTypeDeclaration (java.lang.String newVal) Specifies an "on-the-fly" declaration for the type of the element but first checks whether there is an existing type that matches the string provided as an argument.

Methods inherited from interface com.telelogic.rhapsody.core.IRPUnit

[copyToAnotherProject](#), [getAddToModelMode](#), [getCMHeader](#), [getCMState](#), [getCurrentDirectory](#), [getFilename](#), [getIncludeInNextLoad](#), [getIsStub](#), [getLanguage](#), [getLastModifiedTime](#), [getNestedSaveUnits](#), [getNestedSaveUnitsCount](#), [getStructureDiagrams](#), [isReadOnly](#), [isReferenceUnit](#), [isSeparateSaveUnit](#), [load](#), [moveToAnotherProjectLeaveAReference](#), [referenceToAnotherProject](#), [save](#), [setCMHeader](#), [setFilename](#), [setIncludeInNextLoad](#), [setLanguage](#), [setReadOnly](#), [setSeparateSaveUnit](#), [setUnitPath](#), [unload](#)

Methods inherited from interface com.telelogic.rhapsody.core.IRPModelElement

[addAssociation](#), [addDependency](#), [addDependencyBetween](#), [addDependencyTo](#), [addLinkToElement](#), [addNewAggr](#), [addProperty](#), [addRedefines](#), [addRemoteDependencyTo](#), [addSpecificStereotype](#), [addStereotype](#), [becomeTemplateInstantiationOf](#), [changeTo](#), [clone](#), [createOSLCLink](#), [deleteDependency](#), [deleteFromProject](#), [deleteOSLCLink](#), [errorMessage](#), [findElementsByFullName](#), [findNestedElement](#), [findNestedElementRecursive](#), [getAllTags](#), [getAnnotations](#), [getAssociationClasses](#), [getBinaryID](#), [getConstraints](#), [getConstraintsByHim](#), [getControlledFiles](#), [getDecorationStyle](#), [getDependencies](#), [getDescription](#), [getDescriptionHTML](#), [getDescriptionPlainText](#), [getDescriptionRTF](#), [getDisplayName](#), [getDisplayNameRTF](#), [getErrorMessage](#), [getFullPathName](#), [getFullPathNameIn](#), [getGUID](#), [getHyperLinks](#), [getIconFileName](#), [getInterfaceName](#), [getIsExternal](#), [getIsOfMetaClass](#), [getIsShowDisplayName](#), [getIsUnresolved](#), [getLocalTags](#), [getMainDiagram](#), [getMetaClass](#), [getName](#), [getNestedElements](#), [getNestedElementsByMetaClass](#), [getNestedElementsRecursive](#), [getNewTermStereotype](#), [getOfTemplate](#), [getOSLCLinks](#), [getOverlayIconFileName](#), [getOverriddenProperties](#), [getOverriddenPropertiesByPattern](#), [getOwnedDependencies](#), [getOwner](#), [getProject](#), [getPropertyValue](#), [getPropertyValueConditional](#), [getPropertyValueConditionalExplicit](#), [getPropertyValueExplicit](#), [getRedefines](#), [getReferences](#), [getRemoteDependencies](#), [getRemoteURI](#), [getRequirementTraceabilityHandle](#), [getRmmUrl](#), [getSaveUnit](#), [getStereotype](#), [getStereotypes](#), [getTag](#), [getTemplateParameters](#), [getTi](#), [getToolTipHTML](#), [getUserDefinedMetaClass](#), [hasNestedElements](#), [hasPanelWidget](#), [highlightElement](#), [isATemplate](#), [isDescriptionRTF](#), [isDisplayNameRTF](#), [isModified](#), [isRemote](#), [locateInBrowser](#), [lockOnDesignManager](#), [openFeaturesDialog](#), [removeProperty](#), [removeRedefines](#), [removeStereotype](#), [setDecorationStyle](#), [setDescription](#), [setDescriptionAndHyperlinks](#), [setDescriptionHTML](#), [setDescriptionRTF](#), [setDisplayName](#), [setDisplayNameRTF](#), [setGUID](#), [setIsShowDisplayName](#), [setMainDiagram](#), [setName](#), [setOfTemplate](#), [setOwner](#), [setPropertyValue](#), [setRequirementTraceabilityHandle](#), [setStereotype](#), [setTagContextValue](#), [setTagElementValue](#), [setTagValue](#), [setTi](#), [synchronizeTemplateInstantiation](#)

Methods inherited from interface com.telelogic.rhapsody.core. IRPModelElement

unlockOnDesignManager

Method Detail

addElementDefaultValue

[IRPInstanceValue](#) **addElementDefaultValue** ([IRPModelElement](#) newDefaultVal)

For tags with multiplicity greater than 1, this method can be used to add a model element as an additional value.

Parameters:

newDefaultVal - the model element to add as an additional value

Returns:

the value that was added

addStringDefaultValue

[IRPLiteralSpecification](#) **addStringDefaultValue** (java.lang.String newDefaultVal)

For tags with multiplicity greater than 1, this method can be used to add a string as an additional value.

Parameters:

newDefaultVal - the string to add as an additional value

Returns:

the value that was added

getDeclaration

java.lang.String **getDeclaration**()

Returns the type declaration if an on-the-fly type was used for the element rather than an existing type.

Returns:

the type declaration if an on-the-fly type was used for the element

getDefaultValue

java.lang.String **getDefaultValue**()

Returns the default value that was set for the variable.

Returns:

the default value of the variable

getType

[IRPClassifier](#) `getType()`

Returns the type of the variable.

Returns:

the type of the variable

getValueSpecifications

[IRPCollection](#) `getValueSpecifications()`

Returns a collection of the initial values that were declared for elements where the multiplicity is greater than one. Note that the type of the objects contained in the returned collection depends upon the type of element on which this method was called (there are a number of element types that inherit from IRPVariable). When the method is called on a tag, the objects in the returned collection are of type IRPContextSpecification. These objects are created for a tag when you call the method IRPModelElement.setTagContextValue.

Returns:

the initial values that were declared for elements where the multiplicity is greater than one

See Also:

[IRPModelElement.setTagContextValue\(com.telelogic.rhapsody.core.IRPtag, com.telelogic.rhapsody.core.IRPCollection, com.telelogic.rhapsody.core.IRPCollection\)](#)

setDeclaration

`void setDeclaration(java.lang.String declaration)`

Specifies an "on-the-fly" declaration for the type of the element instead of using an existing type. Note that the string that you provide will be used as the declaration for the type even if it matches an existing type. For example, if you call this method with the argument "int", it will create an on-the-fly declaration consisting of "int". Use the method setTypeDeclaration if you want Rhapsody to first check whether there is an existing type with that name.

Parameters:

`declaration` - the on-the-fly declaration to use for the type of the element

setDefaultValue

`void setDefaultValue(java.lang.String defaultValue)`

Sets a new default value for the variable.

Parameters:

`defaultValue` - the default value to use for the variable

setType

```
void setType(IRPClassifier type)
```

Sets the type of the variable.

Parameters:

type - the type to use for the variable

setTypeDeclaration

```
void setTypeDeclaration(java.lang.String newVal)
```

Specifies an "on-the-fly" declaration for the type of the element but first checks whether there is an existing type that matches the string provided as an argument. If there is such a type, it will be used as the type of the model element. Note that this method is slower than the method setDeclaration because it first carries out a search. So if you definitely want to use an on-the-fly declaration, use the method setDeclaration instead.

Parameters:

newVal - the type to use for the type of the element

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com.telelogic.rhapsody.core Class RhapsodyAppServer

java.lang.Object

└─ com.telelogic.rhapsody.core.RhapsodyAppServer

```
public class RhapsodyAppServer
extends java.lang.Object
```

The RhapsodyAppServer class contains methods relating to accessing an instance of Rhapsody.

Field Summary

protected static com.telelogic.rhapsody.core.JavaPluginsManager	m_javaPluginsManager For internal use only.
---	--

Constructor Summary

[RhapsodyAppServer](#) ()

Method Summary

static IRPApplication	actualCreateRhapsodyApplicationDllServer () For internal use only.
static IRPApplication	actualCreateUninitializedRhapsodyApplicationDllServer () For internal use only.
static void	actualInitializeRhapsodyApplicationDllServer (long nativeRhapsodyAppServer) For internal use only.
static boolean	addToClassPath (java.lang.String cls) Adds one or more classes to the classpath.
static boolean	addToLibPath (java.lang.String libPath) Adds a directory to the libpath.
static IRPModelElement	attachToIRPModelElement (long nativeRhapsodyAppServer, IRPModelElement modelElement) For internal use only.
static IRPApplication	attachToRhapsodyApplication (long nativeRhapsodyAppServer) For internal use only.

Method Summary	
static void	CloseSession () For internal use only.
static void	CloseSessionNative () For internal use only.
protected static void	createJavaPluginManager (IRPApplication rhpApp) For internal use only.
static IRPApplication	createRhapsodyApplication () Creates a new instance of Rhapsody and provides access to it.
static IRPApplication	createRhapsodyApplicationDllServer () For internal use only.
static IRPApplication	createUninitializedRhapsodyApplicationDllServer () For internal use only.
static java.lang.Class	findClass (java.lang.String className) For internal use only.
static IRPApplication	getActiveRhapsodyApplication () Accesses the currently running instance of Rhapsody.
static IRPApplication	getActiveRhapsodyApplicationByID (java.lang.String id) Accesses the instance of Rhapsody that is registered in the Object Table) with the specified ID.
static java.util.List	getActiveRhapsodyApplicationIDList () Returns a list of the strings representing the Rhapsody applications registered in the ROT (Running Object Table).
static com.telelogic.rhapsody.core.JavaPluginsManager	getJavaPluginManager () For internal use only.
static void	initializeRhapsodyApplicationDllServer (IRPApplication app) For internal use only.
static boolean	registerAsActiveObject (IRPApplication app) For internal use only.
static void	resetCurrentContextClassFactory () For internal use only.
protected static void	setClassFactory (RPEExtendedRPCClassesFactory factory, boolean isDefaultFactory) For internal use only.
static void	setCollectionCachingMode (boolean mode) For internal use only.
static void	setCollectionCashingMode (boolean mode) For internal use only.
static void	setCurrentContextClassFactory (RPEExtendedRPCClassesFactory factory) For internal use only.

Method Summary

static void	setDefaultClassFactory (RPExtendedRPCClassesFactory) For internal use only.
static void	setDelayedReleaseInterfacesMode (boolean mode) For internal use only.
static void	setLogFile (java.lang.String logFile) Specifies a log file to use for recording API actions.
static void	setReleaseInterfacesOnGBMode (boolean mode) For internal use only.
static boolean	unRegisterAsActiveObject (IRPApplication app) For internal use only.
static void	writeToLog (java.lang.String msg) Writes the specified text to the Rhapsody API log file.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

m_javaPluginsManager

protected static com.telelogic.rhapsody.core.JavaPluginsManager **m_javaPluginsManager**

For internal use only.

Constructor Detail

RhapsodyAppServer

public **RhapsodyAppServer** ()

Method Detail

addToClassPath

public static boolean **addToClassPath** (java.lang.String cls)

Adds one or more classes to the classpath.

Parameters:

`cls` - the path and name of the class or .jar file to add to the classpath, for example, "D:\\myclasses org.mypackage.MyClass" or "D:\\myclasses\\LibraryFiles.jar"

Returns:

true if the classpath was modified successfully, false otherwise

addToLibPath

```
public static boolean addToLibPath(java.lang.String libPath)
```

Adds a directory to the libpath.

Parameters:

`libPath` - the directory to add to the libpath

Returns:

true if the libpath was modified successfully, false otherwise

attachToIRPModelElement

```
public static IRPModelElement attachToIRPModelElement(long nativeRPModelElement)
```

For internal use only.

attachToRhapsodyApplication

```
public static IRPApplication attachToRhapsodyApplication(long nativeRhapsodyApp)
```

For internal use only.

CloseSession

```
public static void CloseSession()
```

For internal use only.

CloseSessionNative

```
public static void CloseSessionNative()
```

For internal use only.

createRhapsodyApplication

```
public static IRPApplication createRhapsodyApplication()
```

Creates a new instance of Rhapsody and provides access to it. If you start Rhapsody with this method, you can display the GUI by calling `IRPApplication.bringWindowToTop`. You can terminate Rhapsody by calling `IRPApplication.quit`.

Returns:

the `IRPApplication` object that represents the new instance of Rhapsody

createRhapsodyApplicationDllServer

```
public static IRPApplication createRhapsodyApplicationDllServer ()
```

For internal use only.

actualCreateRhapsodyApplicationDllServer

```
public static IRPApplication actualCreateRhapsodyApplicationDllServer ()
```

For internal use only.

createUninitializedRhapsodyApplicationDllServer

```
public static IRPApplication createUninitializedRhapsodyApplicationDllServer ()
```

For internal use only. returns an interface to **uninitialized** application

actualCreateUninitializedRhapsodyApplicationDllServer

```
public static IRPApplication actualCreateUninitializedRhapsodyApplicationDllServer ()
```

For internal use only.

initializeRhapsodyApplicationDllServer

```
public static void initializeRhapsodyApplicationDllServer (IRPApplication rhpApp)
```

For internal use only. initializations for an uninitialized application

actualInitializeRhapsodyApplicationDllServer

```
public static void actualInitializeRhapsodyApplicationDllServer (long comInterface)
```

For internal use only.

findClass

```
public static java.lang.Class findClass(java.lang.String className)
```

For internal use only.

getActiveRhapsodyApplication

```
public static IRPApplication getActiveRhapsodyApplication()
```

Accesses the currently running instance of Rhapsody.

Returns:

the IRPApplication object that represents the instance of Rhapsody that is running

```
static IRPApplication app = RhapsodyAppServer.getActiveRhapsodyApplication();
if(app != null) {
    app.createNewProject("d:\\temp\\_sample_code", "Class_Tricks");
    IRPPProject prj = app.openProject("d:\\temp\\_sample_code\\Class_Tricks.rpy");
}
```

getActiveRhapsodyApplicationIDList

```
public static java.util.List getActiveRhapsodyApplicationIDList()
```

Returns a list of the strings representing the Rhapsody instances currently registered in the ROT (Running Object Table). This method can be used in conjunction with the method `getActiveRhapsodyApplicationByID` in order to communicate with a specific instance of Rhapsody when there is more than one instance running.

Returns:

a list of the strings representing the Rhapsody instances currently registered in the ROT

getActiveRhapsodyApplicationByID

```
public static IRPApplication getActiveRhapsodyApplicationByID(java.lang.String serverName)
```

Accesses the instance of Rhapsody that is registered in the ROT (Running Object Table) with the specified ID.

Parameters:

`serverName` - the ID of the Rhapsody instance in the ROT, as returned by the method `getActiveRhapsodyApplicationIDList`. The strings used for instances of Rhapsody take the form `Rhapsody.Release:PID`, for example, "Rhapsody.8.0.2.0:12236"

Returns:

the IRPApplication object that represents the specified instance of Rhapsody

resetCurrentContextClassFactory

```
public static void resetCurrentContextClassFactory ()
```

For internal use only.

setClassFactory

```
protected static void setClassFactory (RPExtendedRPClassesFactory factory,  
boolean isDefaultFactory)
```

For internal use only.

setCollectionCachingMode

```
public static void setCollectionCachingMode (boolean mode)
```

For internal use only.

setCollectionCashingMode

```
public static void setCollectionCashingMode (boolean mode)
```

For internal use only.

setCurrentContextClassFactory

```
public static void setCurrentContextClassFactory (RPExtendedRPClassesFactory factory)
```

For internal use only.

setDefaultClassFactory

```
public static void setDefaultClassFactory (RPExtendedRPClassesFactory factory)
```

For internal use only.

setDelayedReleaseInterfacesMode

```
public static void setDelayedReleaseInterfacesMode (boolean mode)
```

For internal use only.

setLogFile

```
public static void setLogFile(java.lang.String logFile)
```

Specifies a log file to use for recording API actions. You can write text to the log file using the `writeToLog` method. Note that if you use this method to specify a log file, that log file will be used even if your `rhapsody.ini` file specifies a different file with the `JavaAPILogFile` variable. You can stop logging by calling `setLogFile` with `null` as the parameter.

Parameters:

`logFile` - the full path of the file to use as the log file, for example, "D:\\temp\\api_log_file.txt".

writeToLog

```
public static void writeToLog(java.lang.String msg)
```

Writes the specified text to the Rhapsody API log file. Note that this will work only if you first call the method `RhapsodyAppServer.setLogFile`. It will not write to a log file that was specified using the `JavaAPILogFile` variable in the `rhapsody.ini` file.

Parameters:

`msg` - the text to write to the log file

setReleaseInterfacesOnGBMode

```
public static void setReleaseInterfacesOnGBMode(boolean mode)
```

For internal use only.

createJavaPluginManager

```
protected static void createJavaPluginManager(IRPApplication rhpApp)
```

For internal use only.

registerAsActiveObject

```
public static boolean registerAsActiveObject(IRPApplication app)
```

For internal use only.

unRegisterAsActiveObject

```
public static boolean unRegisterAsActiveObject(IRPApplication app)
```

For internal use only.

getJavaPluginManager

```
public static com.telelogic.rhapsody.core.JavaPluginsManager getJavaPluginManager()
```

For internal use only.

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com.telelogic.rhapsody.core Class RhapsodyRuntimeException

```
java.lang.Object
├── java.lang.Throwable
│   ├── java.lang.Exception
│       └── java.lang.RuntimeException
│           └── com.telelogic.rhapsody.core.RhapsodyRuntimeException
```

All Implemented Interfaces:

java.io.Serializable

```
public class RhapsodyRuntimeException
extends java.lang.RuntimeException
```

See Also:

[Serialized Form](#)

Constructor Summary

[RhapsodyRuntimeException](#)(java.lang.String desc)

Method Summary

Methods inherited from class java.lang.Throwable

fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

RhapsodyRuntimeException

```
public RhapsodyRuntimeException(java.lang.String desc)
```

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com.telelogic.rhapsody.core Class RhpClassLoader

```
java.lang.Object
├── java.lang.ClassLoader
│   ├── java.security.SecureClassLoader
│   │   └── java.net.URLClassLoader
│   │       └── com.telelogic.rhapsody.core.RhpClassLoader
```

```
public class RhpClassLoader
extends java.net.URLClassLoader
```

Constructor Summary

[RhpClassLoader](#)(java.net.URL[] urls)

Method Summary

protected java.lang.String [findLibrary](#)(java.lang.String libName)

void [setLocalLibPath](#)(java.lang.String path)

Methods inherited from class java.net.URLClassLoader

addURL, definePackage, findClass, findResource, findResources, getPermissions, getURLs, newInstance, newInstance

Methods inherited from class java.security.SecureClassLoader

defineClass, defineClass

Methods inherited from class java.lang.ClassLoader

clearAssertionStatus, defineClass, defineClass, defineClass, defineClass, definePackage, findLoadedClass, findSystemClass, getPackage, getPackages, getParent, getResource, getResourceAsStream, getResources, getSystemClassLoader, getSystemResource, getSystemResourceAsStream, getSystemResources, loadClass, loadClass, resolveClass, setClassAssertionStatus, setDefaultAssertionStatus, setPackageAssertionStatus, setSigners

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RhpClassLoader

```
public RhpClassLoader(java.net.URL[] urls)
```

Method Detail

findLibrary

```
protected java.lang.String findLibrary(java.lang.String libName)
```

Overrides:

findLibrary in class java.lang.ClassLoader

setLocalLibPath

```
public void setLocalLibPath(java.lang.String path)
```

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com.telelogic.rhapsody.core Class RhpUtils

java.lang.Object

└─ com.telelogic.rhapsody.core.RhpUtils

```
public class RhpUtils
extends java.lang.Object
```

Constructor Summary

[RhpUtils](#) ()

Method Summary

static boolean	addToClassPath (java.lang.String cls) Add class path to the system's class path
static boolean	addToLibPath (java.lang.String libPath)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RhpUtils

```
public RhpUtils ()
```

Method Detail

addToLibPath

```
public static boolean addToLibPath(java.lang.String libPath)
```

addToClassPath

```
public static boolean addToClassPath(java.lang.String cls)
```

Add class path to the system's class path

Returns:

true if succeed

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com.telelogic.rhapsody.core Class RPAApplicationListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPAApplicationListener

```
public abstract class RPAApplicationListener
extends java.lang.Object
```

Constructor Summary

[RPAApplicationListener](#) ()

Method Summary

boolean	activeProjectAboutToChange (IRPPProject project)
boolean	activeProjectHasChanged (IRPPProject project)
abstract boolean	afterAddElement (IRPModelElement pModelElement) Called after element is added
boolean	afterApplicationClosed ()
boolean	afterDeleteElement (java.lang.String elementGUID)
abstract boolean	afterProjectClose (java.lang.String bstrProjectName) Called after project is closed
boolean	afterProjectOpen (IRPPProject project)
boolean	afterProjectSaved (IRPPProject project)
boolean	beforeApplicationClosed ()
boolean	beforeDeleteElement (IRPModelElement modelElement)

Method Summary	
abstract boolean	beforeProjectClose (IRPProject pProject) Called before project is closed
boolean	beforeProjectOpen (java.lang.String projectPath)
boolean	beforeProjectSaved (IRPProject project)
boolean	connect (IRPApplication connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract java.lang.String	getId () Gets the id of the listener
abstract boolean	onDiagramOpen (IRPDiagram pDiagram) Called when diagram is opened
abstract boolean	onDoubleClick (IRPModelElement pModelElement) Called on double click
boolean	onElementsChanged (java.lang.String elementsGUIDs)
abstract boolean	onFeaturesOpen (IRPModelElement pModelElement) Called when element features dialog is opened
boolean	onPerspectiveChange (java.lang.String oldPerspective, java.lang.String newPerspective)
boolean	onSelectionChanged ()

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RApplicationListener

```
public RApplicationListener()
```

Method Detail

connect

```
public boolean connect (IRPApplication connectionPoint)
```

disconnect

```
public boolean disconnect ()
```

finalize

```
protected void finalize ()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

afterAddElement

```
public abstract boolean afterAddElement (IRPModelElement pModelElement)
```

Called after element is added

Throws:

[RhapsodyRuntimeException](#)

afterProjectClose

```
public abstract boolean afterProjectClose (java.lang.String bstrProjectName)
```

Called after project is closed

Throws:

[RhapsodyRuntimeException](#)

beforeProjectClose

```
public abstract boolean beforeProjectClose (IRPProject pProject)
```

Called before project is closed

Throws:

[RhapsodyRuntimeException](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

onDiagramOpen

```
public abstract boolean onDiagramOpen (IRPDiagram pDiagram)
```

Called when diagram is opened

Throws:

[RhapsodyRuntimeException](#)

onDoubleClick

```
public abstract boolean onDoubleClick (IRPModelElement pModelElement)
```

Called on double click

Throws:

[RhapsodyRuntimeException](#)

onFeaturesOpen

```
public abstract boolean onFeaturesOpen (IRPModelElement pModelElement)
```

Called when element features dialog is opened

Throws:

[RhapsodyRuntimeException](#)

activeProjectAboutToChange

```
public boolean activeProjectAboutToChange (IRPProject project)
```

activeProjectHasChanged

```
public boolean activeProjectHasChanged (IRPProject project)
```

afterApplicationClosed

```
public boolean afterApplicationClosed()
```

afterDeleteElement

```
public boolean afterDeleteElement(java.lang.String elementGUID)
```

afterProjectOpen

```
public boolean afterProjectOpen(IRPPProject project)
```

afterProjectSaved

```
public boolean afterProjectSaved(IRPPProject project)
```

beforeApplicationClosed

```
public boolean beforeApplicationClosed()
```

beforeDeleteElement

```
public boolean beforeDeleteElement(IRPModelElement modelElement)
```

beforeProjectOpen

```
public boolean beforeProjectOpen(java.lang.String projectPath)
```

beforeProjectSaved

```
public boolean beforeProjectSaved(IRPPProject project)
```

onElementsChanged

```
public boolean onElementsChanged(java.lang.String elementsGUIDs)
```

onPerspectiveChange

```
public boolean onPerspectiveChange(java.lang.String oldPerspective,  
                                   java.lang.String newPerspective)
```

onSelectionChanged

```
public boolean onSelectionChanged()
```

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com.telelogic.rhapsody.core Class RPCCodeGeneratorListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPCCodeGeneratorListener

```
public abstract class RPCCodeGeneratorListener
extends java.lang.Object
```

Constructor Summary

[RPCCodeGeneratorListener](#) ()

Method Summary

boolean	connect (IRPCCodeGenerator connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract java.lang.String	getId () Gets the id of the listener
abstract void	onCodeGenerationCompleted () Called after code generation is completed

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPCCodeGeneratorListener

```
public RPCCodeGeneratorListener()
```

Method Detail

connect

```
public boolean connect(IRPCCodeGenerator connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class [java.lang.Object](#)

Throws:

[java.lang.Throwable](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

onCodeGenerationCompleted

```
public abstract void onCodeGenerationCompleted()
```

Called after code generation is completed

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPCodeGenSimplifier

java.lang.Object

└─ com.telelogic.rhapsody.core.RPCodeGenSimplifier

```
public abstract class RPCodeGenSimplifier
extends java.lang.Object
```

Constructor Summary

[RPCodeGenSimplifier](#) ()

Method Summary

abstract void	beginSimplification () before all simplifications
boolean	connect (IRPCodeGenSimplifiersRegistry connectionPoint)
boolean	disconnect ()
abstract void	doAbort () abort the simplification
abstract void	doExit () exit and allow Rhapsody to exit
abstract void	endSimplification () after all simplifications
protected void	finalize ()
abstract void	postSimplify (IRPModelElement userElement, IRPModelElement mainSimplifiedElement, java.lang.String simplificationRequested) post element simplification
abstract void	simplify (IRPModelElement userElement, IRPModelElement simplifiedElementOwner, java.lang.String simplificationRequested)

Method Summary

	simplify the user element
--	---------------------------

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPCCodeGenSimplifier

```
public RPCCodeGenSimplifier()
```

Method Detail

connect

```
public boolean connect(IRPCCodeGenSimplifiersRegistry connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

beginSimplification

```
public abstract void beginSimplification()
```

before all simplifications

Throws:

[RhapsodyRuntimeException](#)

doAbort

```
public abstract void doAbort()
```

abort the simplification

Throws:

[RhapsodyRuntimeException](#)

doExit

```
public abstract void doExit()
```

exit and allow Rhapsody to exit

Throws:

[RhapsodyRuntimeException](#)

endSimplification

```
public abstract void endSimplification()
```

after all simplifications

Throws:

[RhapsodyRuntimeException](#)

postSimplify

```
public abstract void postSimplify(IRPModelElement userElement,
                                   IRPModelElement mainSimplifiedElement,
                                   java.lang.String simplificationRequested)
```

post element simplification

Throws:

[RhapsodyRuntimeException](#)

simplify

```
public abstract void simplify(IRPModelElement userElement,
                               IRPModelElement simplifiedElementOwner,
                               java.lang.String simplificationRequested)
```

simplify the user element

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPExtendedRPCClassesFactory

java.lang.Object

└─ com.telelogic.rhapsody.core.RPExtendedRPCClassesFactory

```
public abstract class RPExtendedRPCClassesFactory
extends java.lang.Object
```

Field Summary

static java.lang.Object	factoryMutex
-------------------------	------------------------------

Constructor Summary

RPExtendedRPCClassesFactory ()
--

Method Summary

abstract java.lang.Class	getExtendedClass (java.lang.String RPCClassName)
--------------------------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

factoryMutex

```
public static java.lang.Object factoryMutex
```

Constructor Detail

RPExtendedRPCClassesFactory

```
public RPExtendedRPCClassesFactory()
```

Method Detail

getExtendedClass

```
public abstract java.lang.Class getExtendedClass(java.lang.String RPCClassName)
```

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com.telelogic.rhapsody.core Class RPEExternalCheck

java.lang.Object

└─ com.telelogic.rhapsody.core.RPEExternalCheck

```
public abstract class RPEExternalCheck
extends java.lang.Object
```

Constructor Summary

[RPEExternalCheck](#) ()

Method Summary

abstract boolean	check (IRPModelElement ElementToCheck, IRPCollection FailedElements) Called by Rhapsody to execute the check.
boolean	connect (IRPEExternalCheckRegistry connectionPoint)
boolean	disconnect ()
abstract void	doExit () exit and allow Rhapsody to exit
protected void	finalize ()
abstract boolean	getCompleteness () Return true if this is a check for completeness or false if this is a check for correctness
abstract java.lang.String	getDomain () Return the domain of the check which can be user defined or one from predefined list of , or .
abstract java.lang.String	getMetaclasses () Return a comma separated list of metaclasses or new terms - Rhapsody will call check for all elements in scope of check that are of the metaclass type in the list
abstract java.lang.String	

Method Summary

	getName() Return the name of the check (also used as its error message)
abstract java.lang.String	getSeverity() Return the Severity of the check which one from predefined list of , ,
abstract boolean	getShouldCallFromCG() Return true if this check should be automatically called before code generation

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPEExternalCheck

```
public RPEExternalCheck ()
```

Method Detail

connect

```
public boolean connect (IRPEExternalCheckRegistry connectionPoint)
```

disconnect

```
public boolean disconnect ()
```

finalize

```
protected void finalize ()  
    throws java.lang.Throwable
```

Overrides:

```
finalize in class java.lang.Object
```

Throws:

```
java.lang.Throwable
```

check

```
public abstract boolean check(IRPModelElement ElementToCheck,  
                               IRPCollection FailedElements)
```

Called by Rhapsody to execute the check. Return a list of elements to highlight if check fails (or empty list if the check is OK)

Throws:

[RhapsodyRuntimeException](#)

getCompleteness

```
public abstract boolean getCompleteness()
```

Return true if this is a check for completeness or false if this is a check for correctness

Throws:

[RhapsodyRuntimeException](#)

getDomain

```
public abstract java.lang.String getDomain()
```

Return the domain of the check which can be user defined or one from predefined list of , or . (For RIC)

Throws:

[RhapsodyRuntimeException](#)

getMetaclasses

```
public abstract java.lang.String getMetaclasses()
```

Return a comma separated list of metaclasses or new terms - Rhapsody will call check for all elements in scope of check that are of the metaclass type in the list

Throws:

[RhapsodyRuntimeException](#)

getName

```
public abstract java.lang.String getName()
```

Return the name of the check (also used as its error message)

Throws:

[RhapsodyRuntimeException](#)

getSeverity

```
public abstract java.lang.String getSeverity()
```

Return the Severity of the check which one from predefined list of , ,

Throws:

[RhapsodyRuntimeException](#)

getShouldCallFromCG

```
public abstract boolean getShouldCallFromCG()
```

Return true if this check should be automatically called before code generation

Throws:

[RhapsodyRuntimeException](#)

doExit

```
public abstract void doExit()
```

exit and allow Rhapsody to exit

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPEXternalCodeGenerator

java.lang.Object

└─ com.telelogic.rhapsody.core.RPEXternalCodeGenerator

```
public abstract class RPEXternalCodeGenerator
extends java.lang.Object
```

Constructor Summary

[RPEXternalCodeGenerator](#) ()

Method Summary

abstract void	abort () method Abort
boolean	connect (IRPEXternalCodeGeneratorInvoker connectionPoint)
boolean	disconnect ()
abstract void	exit () method Exit
protected void	finalize ()
abstract void	generate (IRPModelElement activeConfiguration, IRPCollection classifiersCollection, IRPCollection filesCollection, int generateMainFile, int generateMakefile) method Generate
abstract java.lang.String	getFileName (IRPModelElement modelElement, IRPModelElement configuration, int pathType, int withExtensions) method GetFileName
abstract java.lang.String	getMainFileName (IRPModelElement configuration, int pathType, int withExtensions) method GetMainFileName

Method Summary

abstract java.lang.String	getMakefileName (IRPModelElement configuration, int pathType, int withExtension) method GetMakefileName
abstract java.lang.String	getTargetfileName (IRPModelElement configuration, int pathType, int withExtension) method GetTargetfileName
abstract java.lang.String	whoAmI () method WhoAmI

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPEXternalCodeGenerator

```
public RPEXternalCodeGenerator()
```

Method Detail

connect

```
public boolean connect (IRPEXternalCodeGeneratorInvoker connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize ()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

abort

```
public abstract void abort()
```

method Abort

Throws:

[RhapsodyRuntimeException](#)

exit

```
public abstract void exit()
```

method Exit

Throws:

[RhapsodyRuntimeException](#)

getMainFileName

```
public abstract java.lang.String getMainFileName(IRPModelElement configuration,  
int pathType,  
int withExtensions)
```

method GetMainFileName

Throws:

[RhapsodyRuntimeException](#)

getTargetfileName

```
public abstract java.lang.String getTargetfileName(IRPModelElement configuration,  
int pathType,  
int withExtension)
```

method GetTargetfileName

Throws:

[RhapsodyRuntimeException](#)

whoAmI

```
public abstract java.lang.String whoAmI()
```

method WhoAmI

Throws:

[RhapsodyRuntimeException](#)

generate

```
public abstract void generate(IRPModelElement activeConfiguration,  
                               IRPCollection classifiersCollection,  
                               IRPCollection filesCollection,  
                               int generateMainFile,  
                               int generateMakefile)
```

method Generate

Throws:

[RhapsodyRuntimeException](#)

getFileName

```
public abstract java.lang.String getFileName(IRPModelElement modelElement,  
                                              IRPModelElement configuration,  
                                              int pathType,  
                                              int withExtensions)
```

method GetFileName

Throws:

[RhapsodyRuntimeException](#)

getMakefileName

```
public abstract java.lang.String getMakefileName(IRPModelElement configuration,  
                                                  int pathType,  
                                                  int withExtension)
```

method GetMakefileName

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPEXternalIDEManager

java.lang.Object

└─ com.telelogic.rhapsody.core.RPEXternalIDEManager

```
public abstract class RPEXternalIDEManager
extends java.lang.Object
```

Constructor Summary

[RPEXternalIDEManager](#) ()

Method Summary

abstract void	activateView (IRPAXViewCtrl RhapsodyView) Activate view
abstract void	closeDiagram (IRPDiagram diagram) Closes diagram if opened
boolean	connect (RPEXternalIDERegistry connectionPoint)
abstract int	createProgressTask (int nGroupNumber, int nTaskNumber, java.lang.String sTaskName, int nTaskLength, int bCanCancel) Create a Progress Task
boolean	disconnect ()
protected void	finalize ()
abstract void	finishProgressTask (int nGroupNumber, int nTaskNumber) Finish a Progress Task
abstract IRPAXViewCtrl	getActiveView () method GetActiveView
abstract int	isProgressTaskCanceled (int nGroupNumber, int nTaskNumber) Check if a Progress Task is canceled
abstract void	

Method Summary	
	onIDETextMessage (java.lang.String message) method OnIDETextMessage
abstract void	onInvokeSearch (IRPModelElement lookinElement) method OnSearchRequest
abstract void	onNotifyMessage (java.lang.String messageType, IRPCollection pMessageInitialization, IRPCollection pMessageResult) method OnNotifyMessage
abstract void	onShowInUnitView (IRPModelElement modelElement) method OnShowInUnitView
abstract void	openDiagram (IRPDiagram diagram) method OpenDiagram
abstract void	openFile (java.lang.String filename) Opens
abstract void	openFileAndSelectLine (java.lang.String filename, int line) Opens file and selects line
abstract void	openHotFeatures () method OpenHotFeatures
abstract void	openNewFeatures (IRPModelElement element) method OpenNewFeatures
abstract java.lang.String	openYesNoCancelQuestion (java.lang.String dialogTitle, java.lang.String message, java.lang.String toggleMessage, int toggleState) Display YES OCancel message box with check-box to remmember the chosen reply
abstract void	progressTaskStep (int nGroupNumber, int nTaskNumber, int a_nStepsDone) Indicate a Progress Task step performed
abstract void	refreshRequest () Refresh Rhapsody project/workspace contents
abstract void	setProcessSubTaskName (int nGroupNumber, int nTaskNumber, java.lang.String sSubTaskName) Set a Progress Task subtask's name
abstract void	showBrowser (int showOrHide) ShowBrowser
abstract void	showStatusBarMessage (java.lang.String message) Display message in status bar

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPEXternalIDEManager

```
public RPEXternalIDEManager()
```

Method Detail

connect

```
public boolean connect(IRPEXternalIDERegistry connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

activateView

```
public abstract void activateView(IRPAXViewCtrl RhapsodyView)
```

Activate view

Throws:

[RhapsodyRuntimeException](#)

createProgressTask

```
public abstract int createProgressTask(int nGroupNumber,
    int nTaskNumber,
    java.lang.String sTaskName,
    int nTaskLength,
    int bCanCancel)
```

Create a Progress Task

Throws:

[RhapsodyRuntimeException](#)

finishProgressTask

```
public abstract void finishProgressTask(int nGroupNumber,  
                                         int nTaskNumber)
```

Finish a Progress Task

Throws:

[RhapsodyRuntimeException](#)

getActiveView

```
public abstract IRPAXViewCtrl getActiveView()
```

method GetActiveView

Throws:

[RhapsodyRuntimeException](#)

isProgressTaskCanceled

```
public abstract int isProgressTaskCanceled(int nGroupNumber,  
                                             int nTaskNumber)
```

Check if a Progress Task is canceled

Throws:

[RhapsodyRuntimeException](#)

onIDETextMessage

```
public abstract void onIDETextMessage(java.lang.String message)
```

method OnIDETextMessage

Throws:

[RhapsodyRuntimeException](#)

onInvokeSearch

```
public abstract void onInvokeSearch(IRPModelElement lookinElement)
```

method OnSearchRequest

Throws:

[RhapsodyRuntimeException](#)

onNotifyMessage

```
public abstract void onNotifyMessage(java.lang.String messageType,  
                                     IRPCollection pMessageInitialization,  
                                     IRPCollection pMessageResult)
```

method OnNotifyMessage

Throws:

[RhapsodyRuntimeException](#)

onShowInUnitView

```
public abstract void onShowInUnitView(IRPModelElement modelElement)
```

method OnShowInUnitView

Throws:

[RhapsodyRuntimeException](#)

openFile

```
public abstract void openFile(java.lang.String filename)
```

Opens

Throws:

[RhapsodyRuntimeException](#)

openFileAndSelectLine

```
public abstract void openFileAndSelectLine(java.lang.String filename,  
                                             int line)
```

Opens file and selects line

Throws:

[RhapsodyRuntimeException](#)

openHotFeatures

```
public abstract void openHotFeatures()
```

method OpenHotFeatures

Throws:

[RhapsodyRuntimeException](#)

openNewFeatures

```
public abstract void openNewFeatures (IRPModelElement element)
```

method OpenNewFeatures

Throws:

[RhapsodyRuntimeException](#)

openYesNoCancelQuestion

```
public abstract java.lang.String openYesNoCancelQuestion (java.lang.String dialogTitle,  
                                                           java.lang.String message,  
                                                           java.lang.String toggleMessage,  
                                                           int toggleState)
```

Display YES OCancel message box with check-box to remmember the chosen reply

Throws:

[RhapsodyRuntimeException](#)

progressTaskStep

```
public abstract void progressTaskStep (int nGroupNumber,  
                                         int nTaskNumber,  
                                         int a_nStepsDone)
```

Indicate a Progress Task step performed

Throws:

[RhapsodyRuntimeException](#)

refreshRequest

```
public abstract void refreshRequest ()
```

Refresh Rhapsody project/workspace contents

Throws:

[RhapsodyRuntimeException](#)

setProcessSubTaskName

```
public abstract void setProcessSubTaskName (int nGroupNumber,  
                                             int nTaskNumber,  
                                             java.lang.String sSubTaskName)
```

Set a Progress Task subtask's name

Throws:

[RhapsodyRuntimeException](#)

showBrowser

```
public abstract void showBrowser(int showOrHide)
```

ShowBrowser

Throws:

[RhapsodyRuntimeException](#)

showStatusBarMessage

```
public abstract void showStatusBarMessage(java.lang.String message)
```

Display message in status bar

Throws:

[RhapsodyRuntimeException](#)

closeDiagram

```
public abstract void closeDiagram(IRPDiagram diagram)
```

Closes diagram if opened

Throws:

[RhapsodyRuntimeException](#)

openDiagram

```
public abstract void openDiagram(IRPDiagram diagram)
```

method OpenDiagram

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPEXternalRoundtrip

java.lang.Object

└─ com.telelogic.rhapsody.core.RPEXternalRoundtrip

```
public abstract class RPEXternalRoundtrip
extends java.lang.Object
```

Constructor Summary

[RPEXternalRoundtrip](#) ()

Method Summary

boolean	connect (IRPEXternalRoundtripInvoker connectionPoint)
abstract IRPModelElement	createCodeModel (IRPCollection roundTrippedFileList) method CreateCodeModel
boolean	disconnect ()
protected void	finalize ()
abstract int	isModelChanged () property isModelChanged
abstract int	okToAddAggregate (IRPModelElement code_aggregate, IRPModelElement model_parent) method OkToAddAggregate
abstract int	okToMakeAction (IRPModelElement model_object, java.lang.String action) method OkToMakeAction
abstract int	shouldAddAggregate (IRPModelElement code_aggregate, IRPModelElement model_parent) method ShouldAddAggregate
abstract int	shouldMergeAggregate (IRPModelElement model_aggregate, IRPModelElement model_parent, IRPModelElement code_aggregate, IRPModelElement code_parent)

Method Summary

	method <code>ShouldMergeAggregate</code>
abstract int	shouldMergeAssociation (java.lang.String assoc_name, IRPModelElement model_assoc, IRPModelElement code_assoc, IRPModelElement model_object, IRPModelElement code_object) method <code>ShouldMergeAssociation</code>
abstract int	shouldMergeAttribute (java.lang.String attribute_name, java.lang.String model_value, java.lang.String code_value, IRPModelElement model_object, IRPModelElement code_object, java.lang.String value) method <code>ShouldMergeAttribute</code>
abstract int	shouldRemoveAggregate (IRPModelElement model_aggregate, IRPModelElement model_parent, IRPModelElement code_parent) method <code>ShouldRemoveAggregate</code>

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPEExternalRoundtrip

```
public RPEExternalRoundtrip()
```

Method Detail

connect

```
public boolean connect (IRPEExternalRoundtripInvoker connectionPoint)
```

disconnect

```
public boolean disconnect ()
```

finalize

```
protected void finalize ()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

[java.lang.Throwable](#)

createCodeModel

public abstract [IRPModelElement](#) createCodeModel ([IRPCollection](#) roundTrippedFileList)

method CreateCodeModel

Throws:

[RhapsodyRuntimeException](#)

okToAddAggregate

public abstract int okToAddAggregate ([IRPModelElement](#) code_aggregate,
[IRPModelElement](#) model_parent)

method OkToAddAggregate

Throws:

[RhapsodyRuntimeException](#)

okToMakeAction

public abstract int okToMakeAction ([IRPModelElement](#) model_object,
java.lang.String action)

method OkToMakeAction

Throws:

[RhapsodyRuntimeException](#)

shouldAddAggregate

public abstract int shouldAddAggregate ([IRPModelElement](#) code_aggregate,
[IRPModelElement](#) model_parent)

method ShouldAddAggregate

Throws:

[RhapsodyRuntimeException](#)

shouldMergeAggregate

public abstract int shouldMergeAggregate ([IRPModelElement](#) model_aggregate,
[IRPModelElement](#) model_parent,
[IRPModelElement](#) code_aggregate,
[IRPModelElement](#) code_parent)

method ShouldMergeAggregate

Throws:

shouldMergeAssociation

```
public abstract int shouldMergeAssociation(java.lang.String assoc_name,  
                                             IRPModelElement model_assoc,  
                                             IRPModelElement code_assoc,  
                                             IRPModelElement model_object,  
                                             IRPModelElement code_object)
```

method ShouldMergeAssociation

Throws:

[RhapsodyRuntimeException](#)

shouldMergeAttribute

```
public abstract int shouldMergeAttribute(java.lang.String attribute_name,  
                                           java.lang.String model_value,  
                                           java.lang.String code_value,  
                                           IRPModelElement model_object,  
                                           IRPModelElement code_object,  
                                           java.lang.String value)
```

method ShouldMergeAttribute

Throws:

[RhapsodyRuntimeException](#)

shouldRemoveAggregate

```
public abstract int shouldRemoveAggregate(IRPModelElement model_aggregate,  
                                             IRPModelElement model_parent,  
                                             IRPModelElement code_parent)
```

method ShouldRemoveAggregate

Throws:

[RhapsodyRuntimeException](#)

isModelChanged

```
public abstract int isModelChanged()
```

property isModelChanged

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPIntegratorListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPIntegratorListener

```
public abstract class RPIntegratorListener
extends java.lang.Object
```

Constructor Summary

[RPIntegratorListener](#) ()

Method Summary

abstract void	afterImportModel (IRPModelElement rootElement) Called after import model is completed
boolean	connect (IRPIntegrator connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract java.lang.String	getId () Gets the id of the listener
abstract java.lang.String	subscribedTo () Get the application's name that Rhapsody integrates with

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPIntegratorListener

```
public RPIntegratorListener()
```

Method Detail

connect

```
public boolean connect(IRPIntegrator connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

afterImportModel

```
public abstract void afterImportModel(IRPModelElement rootElement)
```

Called after import model is completed

Throws:

[RhapsodyRuntimeException](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

subscribedTo

```
public abstract java.lang.String subscribedTo()
```

Get the application's name that Rhapsody integrates with

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPJavaPluginsManager

java.lang.Object

└─ com.telelogic.rhapsody.core.RPJavaPluginsManager

public abstract class **RPJavaPluginsManager**
extends java.lang.Object

Constructor Summary

[RPJavaPluginsManager](#) ()

Method Summary

abstract java.lang.String	call2StringPluginMethod (java.lang.String PluginClassName, java.lang.String methodName, java.lang.String argument, java.lang.String exargument) Calls a method of a plugins main class with two strings arguments
abstract boolean	callElementCollectionPluginMethod (java.lang.String PluginClassName, java.lang.String methodName, IRPModelElement element, IRPCollection collection) Calls a method of a plugins main class with ModelElement and collection
abstract boolean	callPluginMethod (java.lang.String PluginClassName, java.lang.String methodName, IRPCollection args) Calls a method of a plugins main class
abstract java.lang.String	callStringPluginMethod (java.lang.String PluginClassName, java.lang.String methodName, java.lang.String argument) Calls a method of a plugins main class with string in/out
boolean	connect (IRPJavaPlugins connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract java.lang.String	getId () Gets the id of the listener

Method Summary

abstract boolean	hasPluginWithMethod (java.lang.String PluginClassName, java.lang.String methodName) Check if a method exists on a plugin
abstract boolean	hasPluginWithMethodArgs (java.lang.String PluginClassName, java.lang.String methodName, java.lang.String arguments) Check if a method with arguments exists on a plugin
abstract boolean	loadPlugin (java.lang.String PluginClassName, IRPCollection classURLS, IRPCollection libURLS) Loads the Java plugin main class
abstract boolean	unloadPlugin (java.lang.String PluginClassName, int finalCall) Unload plugin

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPJavaPluginsManager

```
public RPJavaPluginsManager()
```

Method Detail

connect

```
public boolean connect(IRPJavaPlugins connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

call2StringPluginMethod

```
public abstract java.lang.String call2StringPluginMethod(java.lang.String PluginClassName,  
                                                         java.lang.String methodName,  
                                                         java.lang.String argument,  
                                                         java.lang.String exargument)
```

Calls a method of a plugins main class with two strings arguments

Throws:

[RhapsodyRuntimeException](#)

callElementCollectionPluginMethod

```
public abstract boolean callElementCollectionPluginMethod(java.lang.String PluginClassName,  
                                                           java.lang.String methodName,  
                                                           IRPModelElement element,  
                                                           IRPCollection collection)
```

Calls a method of a plugins main class with ModelElement and collection

Throws:

[RhapsodyRuntimeException](#)

callPluginMethod

```
public abstract boolean callPluginMethod(java.lang.String PluginClassName,  
                                           java.lang.String methodName,  
                                           IRPCollection args)
```

Calls a method of a plugins main class

Throws:

[RhapsodyRuntimeException](#)

callStringPluginMethod

```
public abstract java.lang.String callStringPluginMethod(java.lang.String PluginClassName,  
                                                         java.lang.String methodName,  
                                                         java.lang.String argument)
```

Calls a method of a plugins main class with string in/out

Throws:

[RhapsodyRuntimeException](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

hasPluginWithMethod

```
public abstract boolean hasPluginWithMethod(java.lang.String PluginClassName,  
                                             java.lang.String methodName)
```

Check if a method exists on a plugin

Throws:

[RhapsodyRuntimeException](#)

hasPluginWithMethodArgs

```
public abstract boolean hasPluginWithMethodArgs(java.lang.String PluginClassName,  
                                                java.lang.String methodName,  
                                                java.lang.String arguments)
```

Check if a method with arguments exists on a plugin

Throws:

[RhapsodyRuntimeException](#)

loadPlugin

```
public abstract boolean loadPlugin(java.lang.String PluginClassName,  
                                   IRPCollection classURLS,  
                                   IRPCollection libURLS)
```

Loads the Java plugin main class

Throws:

[RhapsodyRuntimeException](#)

unloadPlugin

```
public abstract boolean unloadPlugin(java.lang.String PluginClassName,  
                                     int finalCall)
```

Unload plugin

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPowPaneMgrEvents

java.lang.Object

└─ **com.telelogic.rhapsody.core.RPowPaneMgrEvents**

```
public abstract class RPowPaneMgrEvents
extends java.lang.Object
```

Constructor Summary

[RPowPaneMgrEvents](#) ()

Method Summary

abstract void	addListElement (java.lang.String sObjID, int nRow, int nCol, java.lang.String sText) method AddListElement
abstract void	addPaneWnd (int nType, int nSubType, java.lang.String sTitle) method AddPaneWnd
abstract void	addTextContent (java.lang.String sObjID, java.lang.String sContent) method AddTextContent
abstract void	clearListContent (java.lang.String sObjID) method ClearListContent
abstract void	clearTextContent (java.lang.String sObjID) method ClearTextContent
abstract void	closePaneWnd (java.lang.String sObjID) method ClosePaneWnd
boolean	connect (IRPowPaneMgr connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract void	

Method Summary

	setPaneWndTitle (java.lang.String sObjID, java.lang.String sTitle) method SetPaneWndTitle
abstract void	showPaneWnd (java.lang.String sObjID) method ShowPaneWnd

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPowPaneMgrEvents

```
public RPowPaneMgrEvents()
```

Method Detail

connect

```
public boolean connect(IRPowPaneMgr connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

addListElement

```
public abstract void addListElement(java.lang.String sObjID,  
    int nRow,  
    int nCol,
```

java.lang.String sText)

method AddListElement

Throws:

[RhapsodyRuntimeException](#)

addPaneWnd

```
public abstract void addPaneWnd(int nType,  
                                int nSubType,  
                                java.lang.String sTitle)
```

method AddPaneWnd

Throws:

[RhapsodyRuntimeException](#)

addTextContent

```
public abstract void addTextContent(java.lang.String sObjID,  
                                     java.lang.String sContent)
```

method AddTextContent

Throws:

[RhapsodyRuntimeException](#)

clearListContent

```
public abstract void clearListContent(java.lang.String sObjID)
```

method ClearListContent

Throws:

[RhapsodyRuntimeException](#)

clearTextContent

```
public abstract void clearTextContent(java.lang.String sObjID)
```

method ClearTextContent

Throws:

[RhapsodyRuntimeException](#)

closePaneWnd

```
public abstract void closePaneWnd(java.lang.String sObjID)
```

method ClosePaneWnd

Throws:

[RhapsodyRuntimeException](#)

setPaneWndTitle

```
public abstract void setPaneWndTitle(java.lang.String sObjID,  
                                       java.lang.String sTitle)
```

method SetPaneWndTitle

Throws:

[RhapsodyRuntimeException](#)

showPaneWnd

```
public abstract void showPaneWnd(java.lang.String sObjID)
```

method ShowPaneWnd

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPRoundTripListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPRoundTripListener

```
public abstract class RPRoundTripListener
extends java.lang.Object
```

Constructor Summary

[RPRoundTripListener](#) ()

Method Summary

abstract void	afterRoundTrip (IRPCollection Items) Called after round trip was finished
abstract void	beforeRoundTrip (IRPCollection Items) Called before round trip is started
boolean	connect (IRPRoundTrip connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract java.lang.String	getId () Gets the id of the listener

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPRoundTripListener

```
public RPRoundTripListener()
```

Method Detail

connect

```
public boolean connect(IRPRoundTrip connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

afterRoundTrip

```
public abstract void afterRoundTrip(IRPCollection Items)
```

Called after round trip was finished

Throws:

[RhapsodyRuntimeException](#)

beforeRoundTrip

```
public abstract void beforeRoundTrip(IRPCollection Items)
```

Called before round trip is started

Throws:

[RhapsodyRuntimeException](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPRTCListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPRTCListener

```
public abstract class RPRTCListener
extends java.lang.Object
```

Constructor Summary

[RPRTCListener](#) ()

Method Summary

abstract boolean	afterSave () Called after save is done in Rhapsody
abstract boolean	afterUnitSave (IRPUnit pUnit) Called after unit is saved in Rhapsody
boolean	connect (IRPApplication connectionPoint)
boolean	disconnect ()
abstract java.lang.String	executeCommand (IRPUnit pUnit, java.lang.String command, java.lang.String parameters) Called on request to execute a Command
protected void	finalize ()
abstract java.lang.String	getFileUUID (java.lang.String strUnits) Called on request to get unit's UUID
abstract java.lang.String	getId () Gets the id of the listener
abstract int	onGetStatus (IRPUnit pUnit) Called on request to get unit's status
abstract boolean	

Method Summary

	onLocateInPendingChanges (IRPUnit pUnit) Called on request to locate unit in pending changes view
abstract boolean	onLocateInRepositoryFiles (IRPUnit pUnit) Called on request to locate unit in repository files' view
abstract boolean	onLock (IRPUnit pUnit) Called on request to lock unit
abstract boolean	onRefreshStatus () Called to refresh status cache in RTC
abstract boolean	onShowHistory (IRPUnit pUnit) Called on request to show CM revisions' history of a unit
abstract boolean	onUnlock (IRPUnit pUnit) Called on request to un-lock unit

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPRTCListener

```
public RPRTCListener ()
```

Method Detail

connect

```
public boolean connect (IRPApplication connectionPoint)
```

disconnect

```
public boolean disconnect ()
```

finalize

```
protected void finalize ()
    throws java.lang.Throwable
```

Overrides:

RPRTCListener

finalize in class java.lang.Object

Throws:

java.lang.Throwable

executeCommand

```
public abstract java.lang.String executeCommand(IRPUnit pUnit,  
                                                java.lang.String command,  
                                                java.lang.String parameters)
```

Called on request to execute a Command

Throws:

[RhapsodyRuntimeException](#)

afterSave

```
public abstract boolean afterSave()
```

Called after save is done in Rhapsody

Throws:

[RhapsodyRuntimeException](#)

afterUnitSave

```
public abstract boolean afterUnitSave(IRPUnit pUnit)
```

Called after unit is saved in Rhapsody

Throws:

[RhapsodyRuntimeException](#)

getFileUUID

```
public abstract java.lang.String getFileUUID(java.lang.String strUnits)
```

Called on request to get unit's UUID

Throws:

[RhapsodyRuntimeException](#)

getId

```
public abstract java.lang.String getId()
```

Gets the id of the listener

Throws:

[RhapsodyRuntimeException](#)

onGetStatus

```
public abstract int onGetStatus(IRPUnit pUnit)
```

Called on request to get unit's status

Throws:

[RhapsodyRuntimeException](#)

onLocateInPendingChanges

```
public abstract boolean onLocateInPendingChanges(IRPUnit pUnit)
```

Called on request to locate unit in pending changes view

Throws:

[RhapsodyRuntimeException](#)

onLocateInRepositoryFiles

```
public abstract boolean onLocateInRepositoryFiles(IRPUnit pUnit)
```

Called on request to locate unit in repository files' view

Throws:

[RhapsodyRuntimeException](#)

onLock

```
public abstract boolean onLock(IRPUnit pUnit)
```

Called on request to lock unit

Throws:

[RhapsodyRuntimeException](#)

onRefreshStatus

```
public abstract boolean onRefreshStatus()
```

Called to refresh status cache in RTC

Throws:

[RhapsodyRuntimeException](#)

onShowHistory

```
public abstract boolean onShowHistory(IRPUnit pUnit)
```

Called on request to show CM revisions' history of a unit

Throws:

onUnlock

```
public abstract boolean onUnlock(IRPUnit pUnit)
```

Called on request to un-lock unit

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPSearchListener

java.lang.Object

└─ com.telelogic.rhapsody.core.RPSearchListener

```
public abstract class RPSearchListener
extends java.lang.Object
```

Constructor Summary

[RPSearchListener](#) ()

Method Summary

boolean	connect (IRPSearchManager connectionPoint)
boolean	disconnect ()
protected void	finalize ()
abstract boolean	onNewSearchResult (IRPSearchResult pSearchResult) Called during search
abstract void	searchEnded (IRPSearchQuery pSearchQuery) Called after search ends
abstract boolean	searchStarted (IRPSearchQuery pSearchQuery) Called before search starts

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPSearchListener

```
public RPSearchListener()
```

Method Detail

connect

```
public boolean connect(IRPSearchManager connectionPoint)
```

disconnect

```
public boolean disconnect()
```

finalize

```
protected void finalize()  
    throws java.lang.Throwable
```

Overrides:

finalize in class java.lang.Object

Throws:

java.lang.Throwable

onNewSearchResult

```
public abstract boolean onNewSearchResult(IRPSearchResult pSearchResult)
```

Called during search

Throws:

[RhapsodyRuntimeException](#)

searchEnded

```
public abstract void searchEnded(IRPSearchQuery pSearchQuery)
```

Called after search ends

Throws:

[RhapsodyRuntimeException](#)

searchStarted

```
public abstract boolean searchStarted(IRPSearchQuery pSearchQuery)
```

Called before search starts

Throws:

[RhapsodyRuntimeException](#)

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com.telelogic.rhapsody.core Class RPlugin

java.lang.Object

└─ com.telelogic.rhapsody.core.RPlugin

```
public abstract class RPlugin
extends java.lang.Object
```

Constructor Summary

[RPlugin\(\)](#)

Method Summary

abstract void	OnMenuItemSelect (java.lang.String menuItem)
abstract void	OnTrigger (java.lang.String trigger)
abstract boolean	RhpPluginCleanup ()
abstract void	RhpPluginFinalCleanup ()
abstract void	RhpPluginInit (IRPApplication rpyApplication)
abstract void	RhpPluginInvokeItem ()
void	RhpPluginInvokeItem (java.lang.String str)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RPUserPlugin

```
public RPUserPlugin()
```

Method Detail

RhpPluginInit

```
public abstract void RhpPluginInit(IRPApplication rpyApplication)
```

RhpPluginInvokeltem

```
public abstract void RhpPluginInvokeItem()
```

RhpPluginInvokeltem

```
public void RhpPluginInvokeItem(java.lang.String str)
```

OnMenuItemSelect

```
public abstract void OnMenuItemSelect(java.lang.String menuItem)
```

OnTrigger

```
public abstract void OnTrigger(java.lang.String trigger)
```

RhpPluginCleanup

```
public abstract boolean RhpPluginCleanup()
```

RhpPluginFinalCleanup

```
public abstract void RhpPluginFinalCleanup()
```

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com.telelogic.rhapsody.core Class SearchFindAsEnum

java.lang.Object

└─ com.telelogic.rhapsody.core.SearchFindAsEnum

```
public class SearchFindAsEnum
extends java.lang.Object
```

Field Summary

static char	RP_SEARCH_EMPTY_ONLY search for empty string only
static char	RP_SEARCH_EXACT search for exact string
static char	RP_SEARCH_REGEX search as regular expression
static char	RP_SEARCH_WILDCARD search as wildcard

Constructor Summary

[SearchFindAsEnum](#) ()

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

RP_SEARCH_EXACT

```
public static final char RP_SEARCH_EXACT
```

search for exact string

See Also:

[Constant Field Values](#)

RP_SEARCH_WILDCARD

```
public static final char RP_SEARCH_WILDCARD
```

search as wildcard

See Also:

[Constant Field Values](#)

RP_SEARCH_REGEX

```
public static final char RP_SEARCH_REGEX
```

search as regular expression

See Also:

[Constant Field Values](#)

RP_SEARCH_EMPTY_ONLY

```
public static final char RP_SEARCH_EMPTY_ONLY
```

search for empty string only

See Also:

[Constant Field Values](#)

Constructor Detail

SearchFindAsEnum

```
public SearchFindAsEnum()
```

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A

[abort\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalCodeGenerator](#)
method Abort

[activateView\(IRPAXViewCtrl\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalIDEManager](#)
Activate view

[activeProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Returns an IRPProject object representing the project currently open in Rhapsody

[activeProjectAboutToChange\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Notify the Plugin upon ActiveProjectAboutToChange

[activeProjectAboutToChange\(IRPProject\)](#) - Method in class
com.telelogic.rhapsody.core.[RPApplicationListener](#)

[activeProjectHasChanged\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Notify the Plugin upon ActiveProjectHasChanged

[activeProjectHasChanged\(IRPProject\)](#) - Method in class
com.telelogic.rhapsody.core.[RPApplicationListener](#)

[actualCreateRhapsodyApplicationDllServer\(\)](#) - Static method in class
com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.

[actualCreateUninitializedRhapsodyApplicationDllServer\(\)](#) - Static method in class
com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.

[actualInitializeRhapsodyApplicationDllServer\(long\)](#) - Static method in class
com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.

[addAcceptEventAction\(String, IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Adds a new Accept Event Action element to the activity.

[addAcceptTimeEvent\(String, IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Adds a new Accept Time Event element to the activity.

[addActionBlock\(IRPClassifierRole\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a new action block to the specified classifier.

[addActivityDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Creates a new activity diagram.

[addActivityDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Adds a new activity diagram to the package.

[addActivityFinal\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Adds an ActivityFinal element to an Activity.

[addActivityParameter\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Adds an activity parameter to the frame of the activity

[addActor\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Adds a new actor to the package.

[addAnchor\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Adds an anchor from the annotation to the specified model element.

[addAndLine\(IRPGraphNode, int, int, int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechartDiagram](#)

Adds an And Line to the specified state.

[addArgument\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

Adds a new argument to the end of the argument list.

[addArgumentBeforePosition\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

Adds a new argument at the specified position in the argument list.

[addArgumentValue\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)

Provides an argument value for an argument of the event associated with the Send Action element.

[addAssociation\(IRPRelation, IRPRelation, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Creates an association class using the specified IRPRelation elements.

[addAttribute\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new attribute to the classifier.

[addCallBehavior\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Adds a new Call Behavior element to the activity.

[addCallOperation\(String, IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Adds a new Call Operation element to the activity.

[addCancelledTimeout\(IRPClassifierRole\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds a cancelled timeout to the specified instance line.

[addClass\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Adds a class to the current class.

[addClass\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new class to the package.

[addClassifierRole\(String, IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds an instance line to a sequence diagram.

[addClassifierRoleByName\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

method addClassifierRoleByName

[addClassifierRoleForInstance\(IRPInstance\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

method addClassifierRoleForInstance

[addCollaborationDiagram\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new collaboration diagram to the package.

[addColumn\(String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Adds a new column to the table layout.

[addColumnEx\(String, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Adds a new column to the table layout.

[addComponent\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Adds a new Component to the project.

[addComponentDiagram\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new component diagram to the package.

[addComponentInstance\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPNode](#)
method addComponentInstance

- [addConditionMark\(IRPClassifierRole\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a condition mark to the specified instance line.
- [addConfiguration\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Adds a new configuration to the component.
- [addConnector\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Adds a connector element of the specified type to the state.
- [addConstructor\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Adds a constructor for the current class.
- [addConveyed\(IRPModelElement\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)
method addConveyed
- [addCtor\(IRPInterfaceItem, String, IRPClassifierRole, IRPClassifierRole\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a Create Arrow to a sequence diagram.
- [addCustomViewOnBrowser\(IRPPackage\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Applies the specified custom view to the model browser.
- [addCustomViewOnDiagram\(IRPDiagram, IRPPackage\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Applies the specified custom view to the specified diagram.
- [addDataFlow\(IRPSysMLPort, String, IRPClassifierRole, IRPClassifierRole\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
method addDataFlow
- [addDependency\(String, String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Adds a dependency from the model element to the model element specified by the parameters.
- [addDependencyBetween\(IRPModelElement, IRPModelElement\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Creates a dependency between the two specified elements.
- [addDependencyTo\(IRPModelElement\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Adds a dependency upon another model element.
- [addDeploymentDiagram\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Adds a new deployment diagram to the package.
- [addDescribingDiagram\(IRPDiagram\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)
method addDescribingDiagram
- [addDestructionEvent\(IRPClassifierRole\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a destruction event to the specified lifeline.
- [addDestructor\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Adds a destructor for the current class.
- [addDiagramToViewsList\(IRPDiagram\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Adds the specified diagram to the list of views to be searched for the search text.
- [addDtor\(IRPInterfaceItem, String, IRPClassifierRole, IRPClassifierRole\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a Destroy Arrow to a sequence diagram.
- [addDurationConstraint\(String, IRPMessage, IRPMessage\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a Duration Constraint to the specified state invariants.
- [addDurationObservation\(String, IRPMessage, IRPMessage\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Adds a Duration Observation to the specified states invariants.
- [addElement\(IRPClassifier, String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

method addElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment

[addElementDefaultValue\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPVariable](#)

For tags with multiplicity greater than 1, this method can be used to add a model element as an additional value.

[addElementValue\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSlot](#)

method addElementValue

[addEnumerationLiteral\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

method addEnumerationLiteral

[addEvent\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new event to the package.

[addEventReception\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Adds an event reception to the current class.

[addEventReceptionWithEvent\(String, IRPEvent\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPActor](#)

Adds a new event reception, using the specified event.

[addEventReceptionWithEvent\(String, IRPEvent\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPClass](#)

Adds a new event reception, using the specified event.

[addEventReceptionWithEvent\(String, IRPEvent\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPUseCase](#)

Adds a new event reception, using the specified event.

[addExtensionPoint\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)

method addExtensionPoint

[addFile\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Adds a new File to the component.

[addFilterElementType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Adds an element type to the list of element types that the search should be applied to.

[addFilterSearchInField\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Adds an element field to the list of element fields that the search should be applied to, for example, element name or element description.

[addFilterStereotype\(IRPStereotype\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Specifies that the search should be limited to model elements with a specific stereotype applied to them.

[addFilterSubQuery\(IRPTableLayout, int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Adds a subquery to the list of subqueries specified for the search.

[addFlow\(String, IRPStateVertex\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Adds a control flow or object flow from this element to the specified element.

[addFlowItems\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new item flow to the classifier.

[addFlowItems\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds an item flow to the package.

[addFlows\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new flow to the classifier.

[addFlows\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a flow to the package.

[addFolder\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Adds a new Folder to the component.

[addFoundMessage\(IRPClassifierRole\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds a Found Message to the specified lifeline.

[**addFreeShapeByType\(String, IRPCollection, IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Adds a free shape of the type specified, using the x coordinates and y coordinates provided.

[**addFreeShapeByType\(String, IRPCollection, IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds a free shape of the type specified, using the x coordinates and y coordinates provided.

[**addGeneralization\(IRPClassifier\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a generalization relationship between the classifier and the classifier specified as a parameter.

[**addGlobalFunction\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a global function to the package.

[**addGlobalObject\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds an Object to the package.

[**addGlobalVariable\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a global variable to the package.

[**addGraphicalItem\(IRPGraphElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Adds a graphical element to a collection.

[**addImage\(String, int, int, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Adds an image to the diagram, using the specified file, starting point, width, and height.

[**addImage\(String, int, int, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds an image to the statechart, using the specified file, starting point, width, and height.

[**addImplicitObject\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds an implicit object to the package.

[**addInitialInstance\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method addInitialInstance

[**addInstance\(long, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)

DiagSynthAPI : add instance to sequence diagram

[**addInstanceSlot\(String, IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)

Adds a new instance slot for the specified property of the classifier.

[**addInstanceSpecification\(String, IRPClassifier\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new instance specification.

[**addInState\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)

Adds the specified state to the list of "In State" states for the object node.

[**addInteractionOccurrence\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds an interaction occurrence.

[**addInteractionOperator\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds an interaction operator to a sequence diagram.

[**addInternalTransition\(IRPInterfaceItem\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
method addInternalTransition

[**addItem\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Adds a model element to a collection.

[**addLink\(IRPInstance, IRPInstance, IRPRelation, IRPPort, IRPPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

This method is used to create a link between two parts belonging to a class.

[**addLink\(IRPInstance, IRPInstance, IRPRelation, IRPPort, IRPPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Creates a link between two objects in the package.

[**addLink\(IRPInstance, IRPInstance, IRPRelation, IRPSysMLPort, IRPPackage\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)

This method is used to create a link between flowports on two parts.

[**addLinkBetweenSYSMLPorts\(IRPInstance, IRPInstance, IRPRelation, IRPSysMLPort, IRPSysMLPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Creates a link between two objects.

[**addLinkToElement\(IRPModelElement, IRPRelation, IRPModelElement, IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Creates a link between this model element and the model element specified as an argument.

[**addLinkToPartViaPort\(IRPInstance, IRPInstance, IRPInstance, IRPRelation\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

This method is used to create a delegation connector between a class and one of its parts.

[**addListElement\(String, int, int, String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

method AddListElement

[**addLostMessage\(IRPClassifierRole\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds a Lost Message to the specified lifeline.

[**addMatrixToViewsList\(IRPMatrixView\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Adds the specified matrix to the list of views to be searched for the search text.

[**addMessage\(IRPInterfaceItem, String, IRPClassifierRole, IRPClassifierRole\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds a message to a sequence diagram.

[**addMetaClass\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStereotype](#)

Adds a metaclass to the list of metaclasses that the stereotype can be applied to.

[**addModelElement\(IRPModelElement, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

method addModelElement Choose from = undefFragment, textFragment, implFragment, specFragment, moduleFragment

[**addModule\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new File element to the package.

[**addNestedComponent\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Adds a new nested component to the component.

[**addNestedPackage\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a nested package to the package.

[**addNewAggr\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Adds a new model element to the current element, for example, adding a class to a package.

[**addNewEdgeByType\(String, IRPGraphElement, int, int, IRPGraphElement, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Adds a connector element of the specified type to the diagram, using the source and target elements specified.

[**addNewEdgeByType\(String, IRPGraphElement, int, int, IRPGraphElement, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds a connector element of the specified type to the statechart, using the source and target elements specified.

[**addNewEdgeForElement\(IRPModelElement, IRPGraphNode, int, int, IRPGraphNode, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Adds a connector graphical element to the diagram to represent the specified model element.

[**addNewEdgeForElement\(IRPModelElement, IRPGraphNode, int, int, IRPGraphNode, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds a connector graphical element to the statechart to represent the specified model element.

[**addNewNodeByType\(String, int, int, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Adds a diagram element of the specified type to the diagram, using the position and dimensions specified.

[**addNewNodeByType\(String, int, int, int, int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds a statechart element of the specified type to the statechart, using the position and dimensions specified.

[**addNewNodeForElement\(IRPModelElement, int, int, int, int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPDDiagram](#)

Adds a graphical element to the diagram to represent the specified model element.

[**addNewNodeForElement\(IRPModelElement, int, int, int, int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPStatechart](#)

Adds a graphical element to the statechart to represent the specified model element.

[**addNode\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a Node element to the package.

[**addObjectModelDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new object model diagram to the package.

[**addObjectNode\(String, IRPState\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Adds a new Object Node element to the activity.

[**addOperation\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new operation.

[**addPackage\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Adds a new package to the project.

[**addPackageToInstrumentationScope\(IRPPackage\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPConfiguration](#)

method addPackageToInstrumentationScope

[**addPackageToScope\(IRPPackage\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

method addPackageToScope

[**addPanelDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new panel diagram to the package.

[**addPaneWnd\(int, int, String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

method AddPaneWnd

[**addProfile\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Adds a new profile to the project.

[**addProfileToModel\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

addProfileToModel

[**addProperty\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

method addProperty

[**addProperty\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Adds a new property to the model element and assigns a value to it.

[**addProvidedInterface\(IRPClass\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

method addRProvidedInterface

[**addQualifier\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

method addQualifier

[**addReception\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Adds a reception to the current class.

[**addRedefines\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

method addRedefines

[**addReferenceActivity\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Adds a new Call Behavior element to the activity.

[**addRelation\(String, String, String, String, String, String, String, String, String, String\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new association to the classifier.

[**addRelationTo\(IRPClassifier, String, String, String, String, String, String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new association to the classifier.

[**addRelationToTheWhole\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method addRelationToTheWhole

[**addRemoteDependencyTo\(IRPModelElement, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

For Design Manager projects, used to create a dependency from a model element to a remote element.

[**addReplyMessage\(IRPInterfaceItem, String, IRPClassifierRole, IRPClassifierRole\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

method addReplyMessage

[**addRepresented\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowItem](#)

Adds an element to the collection of information elements that are represented by the item flow.

[**addRequiredInterface\(IRPClass\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)
method addRequiredInterface

[**addScopeElement\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Adds the specified model element to the scope of the component.

[**addScopeElementWithoutAggregates\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method addScopeElementWithoutAggregates

[**addSearchScope\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Adds an element to the scope for the search.

[**addSelectedToFavorites\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Adds the currently selected item to the Favorites list.

[**addSequenceDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new sequence diagram to the package.

[**addSourceExecutionOccurrence\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

method addSourceExecutionOccurrence

[**addSpecificStereotype\(IRPStereotype\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies the specified stereotype to the model element.

[**addSpellCheckerResult\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For internal use only.

[**addState\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Adds a new substate to this state.

[**addStatechart\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Creates a new statechart.

[**addStatechart\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new statechart to the package.

[**addStateInvariant\(String, IRPClassifierRole\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPCollaboration](#)

Adds a State Invariant to the specified lifeline.

[**addStaticReaction\(IRPInterfaceItem\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Adds an internal transition to the state.

[**addStereotype\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies the specified stereotype to the model element if the project contains a stereotype with the name specified and applicable to the metaclass specified.

[**addStringDefaultValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)

For tags with multiplicity greater than 1, this method can be used to add a string as an additional value.

- [addStringValue\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPInstanceSlot](#)
method `addStringValue`
- [addSuperclass\(IRPClass\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPClass](#)
Specifies a base class that the current class should inherit from.
- [addSwimlane\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPFlowchart](#)
Adds a new swimlane to the activity.
- [addSwimlane\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPswimlane](#)
For internal use only.
- [addSynthSDToModel2\(IRPSequenceDiagram, long, int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPDiagSynthAPI](#)
`DiagSynthAPI` : add synth sequence diagram to model
- [addSystemBorder\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCollaboration](#)
Adds a System Border element to a sequence diagram.
- [addTableToViewsList\(IRPTableView\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPSearchQuery](#)
Adds the specified table to the list of views to be searched for the search text.
- [addTabNotify\(int, int, String, String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPowPaneMgr](#)
method `AddTabNotify`
- [addTargetExecutionOccurrence\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPMessage](#)
method `addTargetExecutionOccurrence`
- [addTerminationState\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPState](#)
Adds a termination state to a statechart.
- [addTextBox\(String, int, int, int, int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)
Adds a text box using the specified text, starting point, width, and height.
- [addTextBox\(String, int, int, int, int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPStatechart](#)
Adds a text box using the specified text, starting point, width, and height.
- [addTextContent\(String, String\)](#)** - Method in class [com.telelogic.rhapsody.core.RPowPaneMgrEvents](#)
method `AddTextContent`
- [addTextElement\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPFile](#)
method `addTextElement`
- [addTimeConstraint\(String, IRPMessage\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCollaboration](#)
Adds a Time Constraint to the specified state invariant.
- [addTimeInterval\(IRPClassifierRole\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCollaboration](#)
Adds a Time Interval to the specified lifeline.
- [addTimeObservation\(String, IRPMessage\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCollaboration](#)
Adds a Time Observation to the specified state invariant.
- [addTimeout\(IRPInterfaceItem, String, IRPClassifierRole, IRPClassifierRole\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCollaboration](#)
Adds a timeout to a sequence diagram.
- [addTimingDiagram\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Adds a new timing diagram to the package.
- [addToClassPath\(String\)](#)** - Static method in class [com.telelogic.rhapsody.core.RhapsodyAppServer](#)
Adds one or more classes to the classpath.
- [addToClassPath\(String\)](#)** - Static method in class [com.telelogic.rhapsody.core.RhpUtils](#)
Add class path to the system's class path
- [addToInstrumentationScope\(IRPClassifier\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPConfiguration](#)
method `addToInstrumentationScope`
- [addToLibPath\(String\)](#)** - Static method in class [com.telelogic.rhapsody.core.RhapsodyAppServer](#)
Adds a directory to the libpath.

[addToLibPath\(String\)](#) - Static method in class com.telelogic.rhapsody.core.[RhpUtils](#)

[addToModel\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

add To Model

[addToModelByReference\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

add To Model by reference

[addToModelEx\(String, int, int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Adds a unit to the model.

[addToModelFromURL\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

add To Model From URL

[addToScope\(IRPFile, IRPCollection, IRPCollection\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPComponent](#)

method addToScope

[addToScope\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

method addToScope

[addTransition\(IRPStateVertex\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Adds a transition from this element to the specified element.

[addTriggeredOperation\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Adds a new triggered operation to the current class.

[addType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Adds a new type to the current class.

[addType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new type to the package.

[addUnidirectionalRelation\(String, String, String, String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new directed association to the classifier.

[addUnidirectionalRelationTo\(IRPClassifier, String, String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPClassifier](#)

Adds a new directed association to the classifier.

[addUseCase\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new use case to the package.

[addUseCaseDiagram\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Adds a new use case diagram to the package.

[advanceCodeGenProgressBar\(\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)

method advanceCodeGenProgressBar

[afterAddElement\(IRPModelElement\)](#) - Method in class

com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called after element is added

[afterApplicationClosed\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[afterDeleteElement\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[afterImportModel\(IRPModelElement\)](#) - Method in class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

Called after import model is completed

[afterProjectClose\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called after project is closed

[afterProjectOpen\(IRPPProject\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[afterProjectSaved\(IRPPProject\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

- [afterRoundTrip\(IRPCollection\)](#)** - Method in class com.telelogic.rhapsody.core.[RPRoundTripListener](#)
Called after round trip was finished
- [afterSave\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)
Called after save is done in Rhapsody
- [afterUnitSave\(IRPUnit\)](#)** - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)
Called after unit is saved in Rhapsody
- [AGGREGATE](#)** - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)
- [ALL](#)** - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.ViewsToSearch](#)
- [allElementsInScope\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Adds all the elements in the model to the scope of the component.
- [allowAutoSave\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Can be used to temporarily disable autosaving of the model regardless of the current value of the property General::Model::AutoSaveInterval.
- [allowBrowserRefresh\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
allowBrowserRefresh
- [allowGERefresh\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
allowGERefresh
- [allowNonUniqueNames\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
For internal use only.
- [AND](#)** - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SubQueriesOperator](#)
- [ANNOTATION_ATTRIBUTE](#)** - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)
Value used for Type parameter of addColumn method
- [appendFailedElementsComments\(String\)](#)** - Method in interface
com.telelogic.rhapsody.core.[IRPEXternalCheckRegistry](#)
method appendFailedElementsComments
- [applyBrowserCustomViewsOnDiagrams\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Applies the custom views applied to the browser to all diagrams as well.
- [applyDefaultFormat\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
method applyDefaultFormat
- [applyNewTermsProfile\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Called to apply a NewTerms Profile to the active project
- [applyRoundtripDiffMerge\(int, IRPProject, IRPCollection\)](#)** - Method in interface
com.telelogic.rhapsody.core.[IRPProject](#)
For internal use only.
- [arcCheckOut\(String, String, int, int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
archive Check Out
- [AS REFERENCE](#)** - Static variable in class
com.telelogic.rhapsody.core.[IRPApplication.AddToModel_Mode](#)
A reference to the unit should be added to the model (unit cannot be modified).
- [AS UNIT WITH COPY](#)** - Static variable in class
com.telelogic.rhapsody.core.[IRPApplication.AddToModel_Mode](#)
The unit should be added to the model and its file should be copied to the project directory.
- [AS UNIT WITHOUT COPY](#)** - Static variable in class
com.telelogic.rhapsody.core.[IRPApplication.AddToModel_Mode](#)
The unit should be added to the model as an editable unit, but its file should not be copied to the project directory.

[attachToIRPModelElement\(long\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[attachToRhapsodyApplication\(long\)](#) - Static method in class
com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

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B

[becomeActiveProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Makes this project the active project in Rhapsody.

[becomeTemplateInstantiationOf\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPModelElement](#)

Makes the current model element a template instantiation of the specified template.

[beforeApplicationClosed\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[beforeDeleteElement\(IRPModelElement\)](#) - Method in class

com.telelogic.rhapsody.core.[RPApplicationListener](#)

[beforeProjectClose\(IRPProject\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called before project is closed

[beforeProjectOpen\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[beforeProjectSaved\(IRPProject\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[beforeRoundTrip\(IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPRoundTripListener](#)

Called before round trip is started

[beginSimplification\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCodeGenSimplifier](#)

before all simplifications

[bringToFront\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphNode](#)

method bringToFront

[bringWindowToTop\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

bring window to top

[build\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Builds an application using the active component and configuration.

[buildEntireProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

buildEntireProject

[buildWithDependencies\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

buildWithDependencies

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C

[call2StringPluginMethod\(String, String, String, String\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Calls a method of a plugins main class with two strings arguments

[callElementCollectionPluginMethod\(String, String, IRPModelElement, IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Calls a method of a plugins main class with ModelElement and collection

[callPluginMethod\(String, String, IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Calls a method of a plugins main class

[callStringPluginMethod\(String, String, String\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Calls a method of a plugins main class with string in/out

[canCopy\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Checks whether the current selection can be copied.

[canCut\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Checks whether the current selection can be cut.

[canDelete\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Checks whether the current selection can be deleted.

[canPaste\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Checks whether the item in the clipboard can be pasted to the diagram that has the focus.

[canRedo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Check if Redo action is available

[canUndo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Check if Undo action is available

[changeTo\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Changes the model element to the type of element specified by the parameter provided.

[check\(IRPModelElement, IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalCheck](#)

Called by Rhapsody to execute the check.

[checkEventsBaseIdsSolveCollisions\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Checks the values of the event base IDs for all packages in the model, detects collisions between the IDs, and resolves any incorrect values and collisions.

[checkIn\(String, String, int, int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

check In

[checkModel\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

check model

[checkOut\(String, String, int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

check Out

[CLASSIFIER](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[clean\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
clean

[cleanUnresolvedElements\(IRPModelElement\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPProject](#)

Removes any unresolved elements from the model, starting at the level of the specified element and working downward.

[clearListContent\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)
method ClearListContent

[clearOutputWindow\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
clear output window

[clearTextContent\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)
method ClearTextContent

[clone\(String, IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Clones a model element.

[close\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPASCIIFile](#)
close file

[close\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Closes the project.

[closeAllAnimatedSequenceDiagrams\(int\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Close All Animated Sequence diagrams without save

[closeCSVFile\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Closes the tab in the Output window for the specified csv file.

[closeDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)
Closes the diagram.

[closeDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Closes the statechart.

[closeDiagram\(IRPDiagram\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)
Closes diagram if opened

[closePaneWnd\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)
method ClosePaneWnd

[CloseSession\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.

[CloseSessionNative\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.

[closeTabNotify\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowPaneMgr](#)
method CloseTabNotify

[com.telelogic.rhapsody.core](#) - package com.telelogic.rhapsody.core

[COMMENT_SPECIFICATION](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[compareSequenceDiagram\(IRPSequenceDiagram, IRPSequenceDiagram\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Compares the two sequence diagrams specified as parameters.

[COMPARTMENT](#) - Static variable in class com.telelogic.rhapsody.core.[IRPGraphElement.ImageLayout](#)
Set image layout in a compartment

[completeRelations\(IRPCollection, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)
Adds connectors to the diagram to reflect the existing relations between the specified elements.

[CONFIGURATION_INITIALIZATION](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[connect\(IRPApplication\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[connect\(IRPCodeGenerator\)](#) - Method in class com.telelogic.rhapsody.core.[RPCodeGeneratorListener](#)

[connect\(IRPCodeGenSimplifiersRegistry\)](#) - Method in class com.telelogic.rhapsody.core.[RPCodeGenSimplifier](#)

[connect\(IRPEExternalCheckRegistry\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

[connect\(IRPEExternalCodeGeneratorInvoker\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)

[connect\(IRPEExternalIDERegistry\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)

[connect\(IRPEExternalRoundtripInvoker\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalRoundtrip](#)

[connect\(IRPIntegrator\)](#) - Method in class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

[connect\(IRPJavaPlugins\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

[connect\(IRPowPaneMgr\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

[connect\(IRPRoundTrip\)](#) - Method in class com.telelogic.rhapsody.core.[RPRoundTripListener](#)

[connect\(IRPApplication\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCListener](#)

[connect\(IRPSearchManager\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)

[connectToArchive\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
connect To Archive

[connectToImportedModel\(String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[connectToTarget\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
connectToTarget

[CONSTRAINT_SPECIFICATION](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[CONTEXT_PATTERN_HIERARCHY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[copySelected\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Copies the currently selected graphic element.

[copyToAnotherProject\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Makes an editable copy of the unit in a different project.

[createAndInsertProject\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Create a new project and insert it into current workspace

[createAutoFlowChart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Creates a flowchart for the operation.

- [createCodeModel\(IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalRoundtrip](#)
method CreateCodeModel
- [createDefaultTransition\(IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)
Creates a default transition leading to this connector, within the state specified.
- [createDefaultTransition\(IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Creates a default transition within the state.
- [createDiagramView\(IRPModelElement, IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDDiagram](#)
Creates a diagram view based on this diagram.
- [createDomainFromProfile\(IRPProfile, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*
- [createGraphics\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Creates the graphical representation of the elements in the statechart.
- [createGraphics\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechartDiagram](#)
Creates the graphical representation of the elements in the statechart.
- [createJavaPluginManager\(IRPApplication\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.
- [createNestedStatechart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Creates a sub-statechart for the state.
- [createNewCollection\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
creates a new Rhapsody collection object
- [createNewProject\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Creates a new Rhapsody project
- [createOSLCLink\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Creates an OSLC link between the element and the element represented by the specified URL.
- [createProgressTask\(int, int, String, int, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)
Create a Progress Task
- [createRhapsodyApplication\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
Creates a new instance of Rhapsody and provides access to it.
- [createRhapsodyApplicationDIIServer\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.
- [createSD2\(IRPSequenceDiagram, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDdiagSynthAPI](#)
DiagSynthAPI : create sequence diagram
- [createSearchQuery\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchManager](#)
Creates a search query object.
- [createUninitializedRhapsodyApplicationDIIServer\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.
- [CSV](#) - Static variable in class com.telelogic.rhapsody.core.[IRPMatrixView.ContentFormat](#)
Export in Comma Separated Value (CSV) format.
- [CSV](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableView.ContentFormat](#)
Export in Comma Separated Value (CSV) format.
- [cutSelected\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)
Cuts the currently selected graphic element.
-

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D

[**dbgCheckComIn\(short\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

For debug - check communication in

[**dbgCheckComOut\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

For debug - check communication out

[**dblClickNotify\(int, int, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPowListListener](#)

method DblClickNotify

[**dblClickNotify\(int, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPowTextListener](#)

method DblClickNotify

[**deferredAddToModel\(String, int, String, int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Add Rhapsody unit to current project

[**deleteActor\(IRPActor\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Deletes the specified actor.

[**deleteArgument\(IRPArgument\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Deletes a specific argument from the operation.

[**deleteAttribute\(IRPAttribute\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Deletes the specified attribute.

[**deleteClass\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCClass](#)

Deletes the specified class from the current class.

[**deleteClass\(IRPCClass\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Deletes the specified class.

[**deleteCollaborationDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Deletes the collaboration diagram with the specified name.

[**deleteComponent\(IRPComponent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Deletes the specified Component.

[**deleteComponentDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Deletes the component diagram with the specified name.

[**deleteComponentInstance\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPNode](#)

method deleteComponentInstance

[**deleteConfiguration\(IRPConfiguration\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Deletes the specified configuration.

[**deleteConnector\(IRPConnector\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Deletes the specified connector element.

[**deleteConstructor\(IRPOperation\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCClass](#)

Deletes the specified constructor from the current class.

[**deleteDependency\(IRPDependency\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Deletes the specified dependency from the model.

[**deleteDeploymentDiagram\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Deletes the deployment diagram with the specified name.

[**deleteDescribingDiagram\(IRPDiagram\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)

method deleteDescribingDiagram

[deleteDestructor\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClass](#)

Deletes the destructor for the class.

[deleteEntryPoint\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)

method [deleteEntryPoint](#)

[deleteEnumerationLiteral\(IRPEnumerationLiteral\)](#) - Method in interface

[com.telelogic.rhapsody.core.IRPType](#)

method [deleteEnumerationLiteral](#)

[deleteEvent\(IRPEvent\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified event.

[deleteEventReception\(IRPEventReception\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClass](#)

Deletes the specified event reception.

[deleteExtensionPoint\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)

method [deleteExtensionPoint](#)

[deleteFile\(IRPFile\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCComponent](#)

Deletes the specified File.

[deleteFlowchart\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPOperation](#)

Deletes the flowchart or activity defined for the operation.

[deleteFlowItems\(IRPFlowItem\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)

Deletes the specified item flow.

[deleteFlowItems\(IRPFlowItem\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified item flow.

[deleteFlows\(IRPFlow\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)

Deletes the specified flow.

[deleteFlows\(IRPFlow\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified flow.

[deleteFromProject\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Deletes the current model element from the model.

[deleteGeneralization\(IRPCClassifier\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)

Deletes the generalization relationship between the classifier and the classifier specified as a parameter.

[deleteGlobalFunction\(IRPOperation\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified global function.

[deleteGlobalObject\(IRPRelation\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified object.

[deleteGlobalVariable\(IRPAttribute\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the specified global variable.

[deleteInitialInstance\(IRPModelElement\)](#) - Method in interface

[com.telelogic.rhapsody.core.IRPConfiguration](#)

method [deleteInitialInstance](#)

[deleteInternalTransition\(IRPTransition\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPState](#)

method [deleteInternalTransition](#)

[deleteNode\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the Node element with the specified name.

[deleteObjectModelDiagram\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the object model diagram with the specified name.

[deleteOperation\(IRPOperation\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)

Deletes the specified operation.

[deleteOSLCLink\(String, String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Deletes the specified OSLC link from the model.

[deletePackage\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Deletes the package.

- [deletePanelDiagram\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the panel diagram with the specified name.
- [deleteProjectFromList\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)
Delete specified project from current workspace
- [deleteReception\(IRPEventReception\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCClass](#)
Deletes the specified reception from the current class.
- [deleteRelation\(IRPRelation\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Deletes the specified relation.
- [deleteSelected\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPSelection](#)
Deletes the currently selected graphic element.
- [deleteSequenceDiagram\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the sequence diagram with the specified name.
- [deleteState\(IRPState\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPStatechart](#)
Deletes the specified state from the statechart.
- [deleteStaticReaction\(IRPTransition\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPState](#)
Deletes the specified internal transition.
- [deleteSuperclass\(IRPClass\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCClass](#)
Removes the inheritance relationship with the specified base class.
- [deleteTimingDiagram\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the timing diagram with the specified name.
- [deleteTransition\(IRPTransition\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPStateVertex](#)
Deletes the specified transition.
- [deleteType\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCClass](#)
Deletes the specified type from the current class.
- [deleteType\(IRPType\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the specified type.
- [deleteUseCase\(IRPUseCase\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the specified use case.
- [deleteUseCaseDiagram\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Deletes the use case diagram with the specified name.
- [DEPENDENCY](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPTableLayout.Column.DependsOn](#)
Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.
- [DEPENDS_ON](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPTableLayout.Column](#)
Value used for Type parameter of addColumn method.
- [DERIVES](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPModelElement.OSLCLink.Types](#)
OSLC link type: Derives
- [DESCRIPTION](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPTableLayout.Column.GeneralAttribute](#)
Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.
- [DESCRIPTIONS](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPSearchQuery.SearchInField](#)
- [destroyWindow\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPlugInWindow](#)
Destroy window
- [DETAILED](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPSearchQuery.ViewsToSearch](#)
- [DIAGRAM_ELEMENT](#)** - Static variable in class [com.telelogic.rhapsody.core.IRPSearchQuery.References.RelationKind](#)
- [disconnect\(\)](#)** - Method in class [com.telelogic.rhapsody.core.RPApplicationListener](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGeneratorListener](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalRoundtrip](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPRoundTripListener](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

[disconnect\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)

[disconnectFromTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
disconnectFromTarget

[dmRefreshRecursive\(IRPUnit\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[dmSyncAndRefresh\(IRPProject, int, int\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[doAbort\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)
abort the simplification

[doCommand\(long\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAXViewCtrl](#)
Execute command by command id

[doExit\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)
exit and allow Rhapsody to exit

[doExit\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)
exit and allow Rhapsody to exit

[downloadToTarget\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
downloadToTarget

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E

[ELABORATES](#) - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)
OSLC link type: Elaborates

[ELEMENT_TYPE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[ELEMENTS_LIST](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPMatrixLayout.QueryOrElementsList](#)

When ELEMENTS_LIST is used as the parameter for the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the matrix.

[ELEMENTS_LIST](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.QueryOrElementsList](#)

When ELEMENTS_LIST is used as the parameter for the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList, it indicates that elements selected in the element types list will be used to specify the "from" element types or "to" element types for the relation table.

[embedFlow\(IRPFlow\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphEdge](#)

method embedFlow

[embedNewFlow\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphEdge](#)

method embedNewFlow

[empty\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Used to empty out a collection.

[enableRhapsodyModelManager\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Enables the project for Rhapsody Model Manager.

[endSimplification\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)

after all simplifications

[endTransactionOfNoCGInterest\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For internal use only.

[endUndoTransaction\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

end undo transaction

[enterAnimationCommand\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

enter Animation Command

[ENUMERATION_LITERAL_VALUE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[errorMessage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Returns error message for last method called.

[errorMessage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns error message for last method called.

EXACTLY - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.QuantityOperator](#)

executeCommand(String, IRPCollection, IRPCollection) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

method execute command

executeCommand(String, IRPCollection, IRPCollection) - Method in interface

com.telelogic.rhapsody.core.[IRPAXViewCtrl](#)

Execute command

executeCommand(IRPUnit, String, String) - Method in class com.telelogic.rhapsody.core.[RPRTCListener](#)

Called on request to execute a Command

executeCommandLine(String) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Execute command line

executeTransformationSequence(String, int) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Carries out model transformations in AUTOSAR projects that use one of the AR_BMT profiles for code generation.

exit() - Method in class com.telelogic.rhapsody.core.[RPEXternalCodeGenerator](#)

method Exit

expandStringKeywords(String) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

expand environment-variable keywords in the provided string

EXTERNAL - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)

OSLC link type: External

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F

[factoryMutex](#) - Static variable in class com.telelogic.rhapsody.core.[RPExtendedRPCClassesFactory](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGeneratorListener](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalCheck](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalCodeGenerator](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalIDEManager](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalRoundtrip](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPRoundTripListener](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

[finalize\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)

[findActor\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns the actor with the specified name.

[findAllByName\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Searches the package for a model element of the specified type with the specified name.

[findAttribute\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns the attribute with the name specified.

[findBaseClassifier\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns the base classifier with the specified name.

[findClass\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns the class with the specified name.

[findClass\(String\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[findComponent\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Returns the Component with the specified name.

[findComponentInstance\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPNode](#)
method `findComponentInstance`

[findConfiguration\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCComponent](#)
Returns the configuration with the specified name.

[findDerivedClassifier\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Returns the derived classifier with the specified name.

[findElementByBinaryID\(byte\[\]\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPProject](#)
Retrieves a model element based on its binary ID.

[findElementByFileName\(String, String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPProject](#)
Returns the top-level element in the specified Rhapsody unit file.

[findElementByGUID\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPProject](#)
Retrieves a model element based on its GUID.

[findElementsByFullName\(String, String\)](#) - Method in interface
[com.telelogic.rhapsody.core.IRPModelElement](#)

Searches for the specified model element in the specified path under the current model element.

[findElementsWithOSLCLink\(String, String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPProject](#)
Returns a collection of all the model elements that have an OSLC link of the specified type to the specified target element.

[findEntryPoint\(IRPGeneralization\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)
method `findEntryPoint`

[findEvent\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns the event with the specified name.

[findExtensionPoint\(IRPGeneralization\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)
method `findExtensionPoint`

[findGeneralization\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Returns the element representing the generalization relationship between this classifier and the classifier whose name was specified as a parameter.

[findGlobalFunction\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns the global function with the specified name.

[findGlobalObject\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns the Object with the specified name.

[findGlobalVariable\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns the global variable with the specified name.

[findInterfaceItem\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Gets the operation or event reception that matches the signature provided.

[findLibrary\(String\)](#) - Method in class [com.telelogic.rhapsody.core.RhpClassLoader](#)

[findNestedClassifier\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Searches for the nested classifier with the name specified.

[findNestedClassifierRecursive\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Searches recursively for the classifier with the name specified.

[findNestedElement\(String, String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Searches for the specified model element.

[findNestedElementRecursive\(String, String\)](#) - Method in interface
[com.telelogic.rhapsody.core.IRPModelElement](#)

Searches recursively for the specified model element.

[findNode\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns the Node element with the specified name.

[findRelation\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPCClassifier](#)
Returns the association whose name was specified as a parameter.

[findTrigger\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns the trigger with the specified name in the classifier's statechart.

[findTrigger\(IRPInterfaceItem\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Checks whether the specified IRPInterfaceItem element serves as the trigger of a transition in the statechart.

[findType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns the type with the specified name.

[findUsage\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of the elements in the current package that are related to the specified model element.

[findUseCase\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns the use case with the specified name.

[finishProgressTask\(int, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

Finish a Progress Task

[fixpack\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Get Rhapsody fixpack

[FLOW_ATTRIBUTE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[forceOutput2Console\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Force output to system console

[forceRoundtrip\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

forceRoundtrip

[forceRoundtripElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

method forceRoundtripElements

[FROM_ELEMENT](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

[FULL_PATH_NAME](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

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G

[gatewayExportToXML\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

For internal use only.

[gatewayExportToXML2\(String, String, IRPPProject\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

For internal use only.

[GENERAL_ATTRIBUTE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)
Value used for Type parameter of addColumn method

[generate\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Generates code for the entire project, using the active component and configuration.

[generate\(IRPModelElement, IRPCollection, IRPCollection, int, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)

method Generate

[generateElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

method generateElements

[generateEntireProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

generateEntireProject

[generateMainAndMakeFiles\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Generate Main and Make Files

[generateReport\(String, String, String, String, int, int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPPProject](#)

Generates a ReporterPLUS report for the model.

[generateSequence\(String, IRPPackage\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPCollaboration](#)

Generates a sequence diagram from the content of the IRPCollaboration object.

[generateWithDependencies\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

generateWithDependencies

[getActivationCondition\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

get property activationCondition

[getActivationMode\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

get property activationMode

[getActivator\(IRPMessage\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

method getActivator

[getActiveComponent\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Returns the active component.

[getActiveConfiguration\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Returns the active configuration.

[getActiveCustomViewsOnBrowser\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Returns a collection of the custom views currently applied to the browser.

[getActiveCustomViewsOnDiagram\(IRPDiagram\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPPProject](#)

Returns a collection of the custom views currently applied to the specified diagram.

- [getActiveRhapsodyApplication\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
Accesses the currently running instance of Rhapsody.
- [getActiveRhapsodyApplicationByID\(String\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
Accesses the instance of Rhapsody that is registered in the ROT (Running Object Table) with the specified ID.
- [getActiveRhapsodyApplicationIDList\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
Returns a list of the strings representing the Rhapsody instances currently registered in the ROT (Running Object Table).
- [getActiveView\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)
method GetActiveView
- [getActivityDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class.
- [getActors\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the actors in the package.
- [getActualParameterList\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property actualParameterList
- [getAdditionalSources\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Returns the additional sources defined for the component.
- [getAdditionalSources\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCConfiguration](#)
get property additionalSources
- [getAddToModelMode\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns an indication of how the unit was added to the model.
- [getAllElementsInInstrumentationScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCConfiguration](#)
Checks whether the instrumentation mode selected for the configuration applies to all elements or just selected elements.
- [getAllGraphicalProperties\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
method getAllGraphicalProperties
- [getAllNestedElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
Returns a collection of all the model elements that are directly under the object.
- [getAllNestedElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the model elements that are directly under the current package, including functions, global variables, and global objects.
- [getAllProperties\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
method getAllProperties
- [getAllStereotypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Returns a collection of all the stereotypes in the project.
- [getAllTags\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection of all the element's tags.
- [getAllTriggers\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Returns a collection of all the triggers in the statechart
- [getAnchoredByMe\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)
Gets the list of model elements that are anchored to the annotation.
- [getAnnotations\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns all of the element's annotations.
- [getApplication\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRhapsodyServer](#)
getApplication
- [getApplicationConnectionString\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

- `getApplicationConnectionString`
- [**getApplicationName\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Get application name
- [**getApplicationRoot\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Gets the full path of the Rhapsody installation folder.
- [**getApplicationStatus\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
getApplicationStatus
- [**getArgumentDirection\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPArgument](#)
Returns the direction of the argument (In, Out, or InOut).
- [**getArguments\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)
Returns a collection of all the arguments for the operation (collection of IRPArgument objects).
- [**getArgVals\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)
Returns a collection of the argument values that were set for the event associated with the Send Action element.
- [**getArgValue\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateInstantiationParameter](#)
get property declaration
- [**getAssociatedImage\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
get associatedImage
- [**getAssociationClass\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
method getAssociationClass
- [**getAssociationClasses\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection of all the association classes directly beneath this model element.
- [**getAssociations\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
get property associations
- [**getAttributes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the classifier's attributes.
- [**getAttributesIncludingBases\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the classifier's attributes, including those it inherits from its base classifiers.
- [**getAttributeValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method getAttributeValue
- [**getBase\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)
Returns the base tag on which the local copy of the tag is based.
- [**getBaseClass\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)
get method baseClass
- [**getBaseClassifiers\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of the classifiers that server as base classifiers for this classifier.
- [**getBaseEvent\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPEvent](#)
get property baseEvent
- [**getBehavioralDiagrams\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the statecharts and activities defined for the classifier.
- [**getBehavioralDiagrams\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the activity diagrams in the package.
- [**getBinaryID\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the GUID of the model element as an array of bytes, as opposed to the method getGUID, which returns the GUID as a string.
- [**getBody\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAction](#)
Gets the code defined as the action for the transition.
- [**getBody\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)
Gets the text of the specification for the annotation.
- [**getBody\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGuard](#)
get property body

- [getBody\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Returns the body of the operation.
- [getBody\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTrigger](#)
get property body
- [getBuildNo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property BuildNo
- [getBuildSet\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property buildSet
- [getBuildType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Returns the build type of the component - Library, Executable, or Analysis.
- [getCellElements\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
Returns the model elements contained in the specified cell.
- [getCellElements\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
Returns the model elements contained in the specified cell.
- [getCellElementTypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Returns a collection of the element types that were specified to be displayed in the cells of the matrix.
- [getCellString\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
Returns the text contained in the specified cell.
- [getCellString\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
Returns the text contained in the specified cell.
- [getCgSimplifiedModelPackage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Returns the package that contains the simplified model.
- [getClasses\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the classes in the package.
- [getClassifier\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns a collection of all the instance lines in the sequence diagram.
- [getClassifier\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)
get property classifier
- [getClassifierRole\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessagePoint](#)
method getClassifierRole
- [getClassifierRoles\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationRole](#)
Returns a collection of the classifier roles that are linked by the association role.
- [getCMHeader\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns the header used by the Configuration Management tool for the unit.
- [getCMState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns the configuration management state of the unit.
- [getCodeAnnotations\(IRPModelElement, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCodeGenerator](#)
method to get generated code file names
- [getCodeGeneratedFiles\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Returns a collection of filenames for the code files that will be generated for the current active component if you select the "regenerate" option.
- [getCodeGenSimplifiersRegistry\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get the code generation simplifiers registry
- [getCollaborationDiagrams\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the collaboration diagrams in the package.
- [getCollapseFirstColumn\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Checks whether the first column of the layout includes controls for collapsing and expanding rows that have the same value in the first column.
- [getColumnContext\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Returns the context pattern label that was specified for the column.

[**getColumnCount\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

Returns the number of columns in the matrix.

[**getColumnCount\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the number of columns in the table layout.

[**getColumnCount\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

Returns the number of columns in the table.

[**getColumnDefaultWidth\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the default width that was defined for the specified column.

[**getColumnImplementationAllowNew\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Checks whether the user-defined picker for the specified column includes the New option in its list.

[**getColumnImplementationAllowSelect\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Checks whether the user-defined picker for the specified column includes the Select option in its list.

[**getColumnImplementationCellType\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the type of information that is displayed in the column's cells - string, model element, or list of model elements.

[**getColumnImplementationDisplayProperty\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the type of element information that is displayed when the cell value type is set to model element or list of model elements.

[**getColumnImplementationGetterCode\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the Java code for the getter for the cells in the specified column.

[**getColumnImplementationImports\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method returns the list of imports specified for the column.

[**getColumnImplementationPickerCode\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the Java code for the picker for the cells in the specified column.

[**getColumnImplementationSetterCode\(int\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the Java code for the setter for the cells in the specified column.

[**getColumnName\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the name of the specified column.

[**getColumnProperty\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the Property of the specified column.

[**getColumns\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

[**getColumnType\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns the type of the specified table column.

[**getCommunicationConnection\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property communicationConnection

[**getCompilerSwitches\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

get property compilerSwitches

[**getCompleteness\(\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

Return true if this is a check for completeness or false if this is a check for correctness

[**getComponentDiagrams\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the component diagrams in the package.

[**getComponentInstances\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPNode](#)

get property componentInstances

[**getComponents\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Returns a collection of all the components in the project.

[**GetComponentType\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponentInstance](#)

get property componentType

[**getConcurrentGroup\(IRPMessage\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

method getConcurrentGroup

[**getCondition\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property condition

[**getConfigByDependency\(IRPDependency\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPComponent](#)

method getConfigByDependency

[**getConfigurations\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Returns a collection of all the configurations in the component.

[**getConnectorType\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Returns the type of the connector: Condition, Diagram, EnterExit, Fork, History, Join, Junction, Termination, InPin, OutPin, or InOutPin.

[**getConstraints\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns all of the element's constraints.

[**getConstraintsByHim\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

For internal use only.

[**getConstraintsByMe\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConstraint](#)

Returns all of the model elements affected by this constraint.

[**getContainedMessages\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperand](#)

Returns a collection of all the messages contained in the interaction operand.

[**getContainingArrow\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphEdge](#)

method getContainingArrow

[**getContent\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

Retrieves the content of the matrix in the specified format.

[**getContent\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

Retrieves the content of the table in the specified format.

[**getContents\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSwimlane](#)

Returns a collection of the elements contained in the swimlane.

[**getContract\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

This function exists for backward compatability.

[**getControlledFiles\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns a collection of all the element's controlled files.

[**getConveyed\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

get property conveyed

[**getCorrespondingGraphicElements\(IRPModelElement\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPDiagram](#)

Returns the graphical elements that represent the specified model element in the diagram.

[**getCount\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Returns the number of items in a collection.

[**getCPUtype\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPNode](#)

get property CPUtype

[**getCurrentDirectory\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Gets the name of the directory that contains the file used to store the unit.

[**getCustomViews\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Gets the custom views that were applied to this diagram view.

[**getDeclaration\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property declaration

[getDeclaration\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPVariable](#)

Returns the type declaration if an on-the-fly type was used for the element rather than an existing type.

[getDecorationStyle\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the name of the decoration style currently associated with the model element.

[getDefaultDirectoryScheme\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPProject](#)

Returns the project's default directory scheme with regard to packages.

[getDefaultTransition\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPState](#)

Returns the default transition within the state.

[getDefaultValue\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPVariable](#)

Returns the default value that was set for the variable.

[getDependencies\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns all of the element's dependencies.

[getDependent\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPDependency](#)

Returns the source element in the dependency relation, meaning the element that depends on the other element.

[getDependsOn\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPDependency](#)

Returns the target element in the dependency relation, meaning the element on which the first element depends.

[getDeploymentDiagrams\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Returns a collection of all the deployment diagrams in the package.

[getDerivedClass\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPGeneralization](#)

get method derivedClass

[getDerivedClassifiers\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPClassifier](#)

Returns a collection of all the classifiers derived from this classifier.

[getDerivedInEdges\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPConnector](#)

Returns a collection of the transitions coming into the connector.

[getDerivedOutEdge\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPConnector](#)

Returns the transition exiting the connector.

[getDescribingDiagram\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)

method getDescribingDiagram

[getDescribingDiagrams\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPUseCase](#)

get property describingDiagrams

[getDescription\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the description defined for the element.

[getDescriptionHTML\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns HTML representation of the element description.

[getDescriptionPlainText\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the description defined for the element in plain text format.

[getDescriptionRTF\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the description defined for the element in RTF format.

[getDiagram\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPGraphElement](#)

method getDiagram

[getDiagramOfSelectedElement\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)

get diagram of selected element

[getDiagramViewOf\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

For diagram views, gets the diagram on which the diagram view is based.

[getDiagramViews\(\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

Gets the diagram views that are based on this diagram.

[getDiagSynthAPI\(String\)](#) - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)

for internal use

[**getDirection\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

get property direction

[**getDirectory\(int, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

method getDirectory

[**getDisplayNames\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the label of the model element.

[**getDisplayNameRTF\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the label of the model element as an RTF string.

[**getDisplayOption\(char, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)

Deprecated. Use [IRPHyperLink.getTextToDisplayType\(\)](#) and [IRPHyperLink.getTextToDisplay\(\)](#) instead.

[**getDMBoolProperty\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[**getDMMModelWorkspaceFolder\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[**getDMProperty\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[**getDocking\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

Get docking mode

[**getDomain\(\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

Return the domain of the check which can be user defined or one from predefined list of , or .

[**getDurationConstraint\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Gets the text of the Duration Constraint.

[**getDurationObservation\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Gets the text of the Duration Observation.

[**getDurationTime\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAcceptTimeEvent](#)

Returns the duration that was specified for this element.

[**getElements\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

get property elements

[**getElementsInDiagram\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDDiagram](#)

Returns a collection of all the model elements in the diagram.

[**getElementsInDiagram\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Returns a collection of all of the elements in the statechart.

[**getElementTypes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Returns a collection of the element types that were specified to be displayed in the table.

[**getEnd1\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationClass](#)

Gets the relation represented by the first end of the association class.

[**getEnd1\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

get property end1

[**getEnd1Multiplicity\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)

get property end1Multiplicity

[**getEnd1Name\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)

get property end1Name

[**getEnd1Port\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

get property end1Port

[**getEnd1SysMLPort\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

get property end1SysMLPort

[**getEnd2\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationClass](#)

Gets the relation represented by the second end of the association class.

[**getEnd2\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

- get property end2
- [**getEnd2Multiplicity\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property end2Multiplicity
- [**getEnd2Name\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property end2Name
- [**getEnd2Port\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)
get property end2Port
- [**getEnd2SysMLPort\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)
get property end2SysMLPort
- [**getEntryAction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the entry action that was defined for the state.
- [**getEntryPoints\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)
get property entryPoints
- [**getEnumerationLiterals\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
get property enumerationLiterals
- [**getErrorMessage\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Returns error message for last method called.
- [**getErrorMessage\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns error message for last method called.
- [**getEvent\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAcceptEventAction](#)
Returns the event that the action waits for.
- [**getEvent\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPEventReception](#)
method getEvent
- [**getEvent\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)
Gets the event sent by the Send Action element.
- [**getEvents\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the events in the package.
- [**getEventsBaseId\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns the start number used for assigning IDs to events in the package.
- [**getExecutableFolder\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
getExecutableFolder
- [**getExecutableName\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method getExecutableName
- [**getExecutionOccurrences\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns a collection of all the Execution Occurrences in the diagram.
- [**getExitAction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the exit action that was defined for the state.
- [**getExtendedClass\(String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPExtendedRPClassesFactory](#)

- [**getExtensionPoint\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)
get property extensionPoint
- [**getExtensionPoints\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)
get property extensionPoints
- [**getExternalCheckerRegistry\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get the External Checker registry
- [**getExternalIDERegistry\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get the External IDE registry
- [**getExternalRoundtripInvoker\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
getExternalRoundtripInvoker
- [**getFile\(IRPClassifier, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
method getFile

[**getFileFragments\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

get property fileFragments

[**getFileName\(IRPClassifier, int, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method getFileName

[**getFilename\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Gets the name of the file used to store the unit.

[**getFileName\(IRPModelElement, IRPModelElement, int, int\)**](#) - Method in class

com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)

method GetFileName

[**getFiles\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Returns a collection of all the Files in the component.

[**getFiles\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

get property files

[**getFileType\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

get property fileType

[**getFileUUID\(String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPRTCListener](#)

Called on request to get unit's UUID

[**getFilterElementTypes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the element types that are to be searched for the search text.

[**getFilterReferenceIncludeReferencedElementsInSearchResults\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the reference search criterion specified that the referenced elements included in the search criterion should also be displayed in the search results.

[**getFilterReferenceNameOfReferencedElements\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the model element name that was specified for the reference criterion that was defined.

[**getFilterReferenceNumberOfReferences\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the number of references that was specified as a search criterion.

[**getFilterReferenceQuantityOperator\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

When the search criterion includes a specific number of references, this method returns a value that indicates whether the criterion was exactly that number of references, less than that number, or more than that number.

[**getFilterReferenceRelationKind\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the type of reference used in the search criterion, for example, aggregates or incoming relations.

[**getFilterReferenceStereotypeOfReferencedElements\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the stereotype that was specified for the reference criterion that was defined.

[**getFilterReferenceTypeOfReferencedElements\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the model element type that was specified for the reference criterion that was defined.

[**getFilterSearchInFields\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the list of element fields that the search is to be applied to.

[**getFilterStereotypes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the names of the stereotypes that were specified as search criteria.

[**getFilterSubQueries\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the subqueries that were specified for the search.

[**getFilterSubQueriesOperator\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns indication of how the specified subqueries are to be combined in the search

[getFilterSubQueryUseWithNotOperator\(IRPTableLayout\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the NOT operator was specified for the specified subquery.

[getFilterTagFindAs\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the type of search that was specified for the tag name and tag value search criteria - regular text, wildcard, regular expression, or empty string.

[getFilterTagLocalOnly\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the tag criterion set for a search is limited to only local tags

[getFilterTagMatchCase\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether an exact match was specified for the tag name and tag value search criteria, in terms of upper and lower case.

[getFilterTagMatchWholeWord\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether a whole word match was specified for the tag name and tag value search criteria

[getFilterTagName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the tag name specified as a criterion for the search

[getFilterTagValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the tag value specified as a criterion for the search

[getFilterUnitsOnly\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the search is limited to model elements that are saved units.

[getFilterUnresolvedKind\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the method that was specified for handling unresolved elements in the search.

[getFlowchart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPActivityDiagram](#)

Returns the IRPFlowchart object underlying the activity diagram.

[getFlowchart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Returns the flowchart or activity defined for the operation.

[getFlowchartDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Returns the IRPActivityDiagram object associated with the activity.

[getFlowItems\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns a collection of all the classifier's item flows.

[getFlowItems\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the item flows in the package.

[getFlowPort\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property flowPort

[getFlows\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns a collection of the classifier's flows.

[getFlows\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the flows in the package.

[getFormalClassifier\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)

Returns the classifier (for example, class or actor) that the lifeline realizes.

[getFormalInstance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)

For cases where a lifeline represents an object and not just a classifier, returns the object that is realized by the lifeline.

[getFormalInterfaceItem\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property formalInterfaceItem

[getFormalRelations\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationRole](#)

Returns a collection of IRPRelation objects, representing the association ends of the association role.

[getFormalType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Returns the model element associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.

[getFragmentElement\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFileFragment](#)

get property fragmentElement

- [getFragmentText\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPFileFragment](#)
get property fragmentText
- [getFragmentType\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPFileFragment](#)
get property fragmentType
- [getFrom\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property from
- [getFromElement\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property fromElement
- [getFromElementTypes\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Returns a collection of the "from" element types specified to be displayed in the matrix.
- [getFromElementTypes\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", returns a collection of the element types specified as the "from" element types.
- [getFromElementTypesQueryToUse\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Returns the query that was specified to determine the "from" element types.
- [getFromElementTypesQueryToUse\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", returns the query that was specified to determine the "from" element types.
- [getFromElementTypesUseQueryOrElementsList\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Checks whether a query or collection of element types was used to specify the "from" element types.
- [getFromElementTypesUseQueryOrElementsList\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", checks whether a query or collection of element types was used to specify the "from" element types.
- [getFromPort\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property fromPort
- [getFromProfile\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)
For tags whose source is a profile that was added to the project (as opposed to tags defined locally in the project), this method returns the profile in which the tag was defined.
- [getFromScope\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
method GetFromScope
- [getFromSysMLPort\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property fromSysMLPort
- [getFullNameInStatechart\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the full name of the state within the statechart, including information about its hierarchical position within the statechart.
- [getFullPathFileName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPControlledFile](#)
Returns the full path of the controlled file.
- [getFullPathName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the full path name of the model element.
- [getFullPathNameIn\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Retrieves the full path name of the element as a string in the following format: (class) in (package).
- [getGeneralizations\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the classifier's generalization relationships.
- [getGenerateCodeForActors\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property generateCodeForActors
- [getGeneratedFileNames\(IRPModelElement\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCodeGenerator](#)
method to get generated code file names
- [getGlobalFunctions\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the global functions in the package.
- [getGlobalObjects\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the Objects in the package.

[**getGlobalVariables\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)

Returns a collection of all the global variables in the package.

[**getGraphicalElements\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

Returns a collection of all the graphical elements in the diagram.

[**getGraphicalElements\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPStatechart](#)

Returns a collection of all the graphical elements in the statechart.

[**getGraphicalParent\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPGraphElement](#)

get property graphicalParent

[**getGraphicalProperty\(String\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPGraphElement](#)

method getGraphicalProperty

[**getGraphicalPropertyOfText\(String, String\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPGraphElement](#)

Returns the specified graphical property for a textual element associated with the graphic element.

[**getGUID\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the GUID of the model element.

[**getHiddenApplication\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPRhapsodyServer](#)

getHiddenApplication

[**getHTMLContent\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPMatrixView](#)

Returns the content of the matrix as HTML.

[**getHTMLContent\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPTableView](#)

Returns the content of the table as HTML.

[**getHyperLinks\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns a collection of all the hyperlinks associated with the element.

[**getIcon\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPStereotype](#)

Gets the full path for the image file that is associated with this stereotype.

[**getIconFileName\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)

Returns the full path of the graphic file used to represent elements of this type in the browser, for example, D:\programs\rhapsody80\Share\PredefinedPictures\Icons\RhapsodyIcons_72.gif.

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPApplicationListener](#)

Gets the id of the listener

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPCodeGeneratorListener](#)

Gets the id of the listener

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPIntegratorListener](#)

Gets the id of the listener

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPJavaPluginsManager](#)

Gets the id of the listener

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPRoundTripListener](#)

Gets the id of the listener

[**getId\(\)**](#) - Method in class [com.telelogic.rhapsody.core.RPRTCLListener](#)

Gets the id of the listener

[**getImageCollection\(String, String, String\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPMatrixView](#)

method GetImageCollection

[**getImageCollection\(String, String, String\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPTableView](#)

method GetImageCollection

[**getImageLayout\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPGraphElement](#)

Returns the image layout specified for the image linked to the graphic element.

[**getImplementationSignature\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPOperation](#)

Returns the signature of the operation as it will appear in the generated code.

- [getImpName\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)
method getImpName
- [getIncludeDescendants\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Checks whether the scope of the search is to include the descendants of the elements specified for the scope.
- [getIncludeDescendants\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
get property includeDescendants
- [getIncludeDescendantsFromScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
get property includeDescendantsFromScope
- [getIncludeDescendantsToScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
get property includeDescendantsToScope
- [getIncludeInNextLoad\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Checks whether the unit is going to be loaded the next time the model is loaded.
- [getIncludePath\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Returns the include path defined for the component.
- [getIncludePath\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property includePath
- [getInheritsFrom\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the corresponding state from the statechart of the class that this class is derived from.
- [getInheritsFrom\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Returns the statechart of the base class of this class.
- [getInheritsFrom\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
For transitions inherited from a base statechart, returns the base transition from which this transition is derived.
- [getIniFileParameterValue\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
getIniFileParameterValue
- [getInitialInstances\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get method initialInstances
- [getInitializationCode\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property initializationCode
- [getInitializer\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For constructors, gets the initializer code that was defined for the operation.
- [getInLinks\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method getInLinks
- [getInstanceSlots\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)
get property instanceSlots
- [getInstanceSpecifications\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the instance specifications in the package.
- [getInstantiatedBy\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
get property instantiatedBy
- [getInstantiates\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property instantiates
- [getInState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)
Deprecated. Use *getInStateList()* instead.
- [getInStateList\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)
Returns a collection of the "In State" states for the object node.
- [getInstrumentationScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property instrumentationScope
- [getInstrumentationType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property instrumentationType

- [getInteractionConstraint\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperand](#)
Returns the constraint (guard condition) that was defined for the interaction operand.
- [getInteractionOccurrence\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessagePoint](#)
get property interactionOccurrence
- [getInteractionOccurrences\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns a collection of all the interaction occurrences in the sequence diagram.
- [getInteractionOperands\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperator](#)
get property interactionOperands
- [getInteractionOperator\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessagePoint](#)
get property interactionOperator
- [getInteractionOperators\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns a collection of all the interaction operators in the sequence diagram.
- [getInteractionType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperator](#)
get property interactionType
- [getInterfaceItems\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of the classifier's elements of type IRPInterfaceItem (such as operations, triggered operations, and event receptions).
- [getInterfaceItemsIncludingBases\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of the classifier's elements of type IRPInterfaceItem (such as operations, triggered operations, and event receptions), including those it inherits from its base classifier.
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPASCIIFile](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAXViewCtrl](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCodeGenerator](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCodeGenSimplifiersRegistry](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalCheckRegistry](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalCodeGeneratorInvoker](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalIDERegistry](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalRoundtripInvoker](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphicalProperty](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPImageMap](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPIntegrator](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPJavaPlugins](#)
get property interfaceName
- [getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowListListener](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowPaneMgr](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowTextListener](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProgressbar](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRhapsodyServer](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRoundTrip](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchManager](#)

Returns the name of the API interface corresponding to the current element, for example, IRPClass for a class element, IRPOperation for an operation element.

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the name of the interface (IRPSearchQuery).

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchResult](#)

get property interfaceName

[getInterfaceName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Returns the name of the API interface corresponding to the object it is called on, for example, IRPClass for a class element, IRPOperation for an operation element.

[getInternalTransitions\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Returns a collection of the state's internal transitions.

[getInTransitions\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Returns all of the transitions that enter the element.

[getInvariant\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Gets the text of the Invariant field for the state invariant.

[getInverse\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property inverse

[getInvokedOperation\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)

Returns the IRPInterfaceItem element that is invoked by the Send Action element.

[getIsAbstract\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Checks whether the class is an abstract class.

[getIsAbstract\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Checks whether the operation was defined as abstract.

[getIsActive\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Checks whether the class was defined as "active", meaning that during execution it runs on its own thread.

[getIsAnalysisOnly\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Checks whether the activity is defined as analysis-only, meaning that it is used only for modeling purposes and code is not generated for the activity.

[getIsBehavioral\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

get property isBehavioral

[getIsBehaviorOverriden\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPActor](#)

Checks whether an actor does not inherit the behavior defined in the statechart of its base class.

[getIsBehaviorOverriden\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

- Checks whether a class does not inherit the behavior defined in the statechart of its base class.
- [**getIsBehaviorOverridden\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)
get property isBehaviorOverridden
- [**getIsCgDerived\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Checks whether the operation is an operation that is automatically generated by Rhapsody.
- [**getIsClass\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationClass](#)
Checks whether the element is an association class or an association element.
- [**getIsComposite\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Checks whether the class is a composite class.
- [**getIsConst\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For operations in C++ classes, checks whether the operation was defined as a constant member function.
- [**getIsConstant\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
Checks whether the attribute was defined as constant.
- [**getIsCtor\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Checks whether the operation is a constructor.
- [**getIsDtor\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Checks whether the operation is a destructor.
- [**getIsElaborated\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTimingDiagram](#)
Checks whether the the timing diagram is an elaborated timing diagram.
- [**getIsExternal\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Checks whether the element is an "external" element - corresponds to the value of the property UseAsExternal.
- [**getIsFinal\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Checks whether the class is a final class.
- [**getIsFinal\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For operations in Java classes, checks whether the operation was defined as final.
- [**getIsGUID\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPImageMap](#)
get property isGUID
- [**getIsHiddenUI\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property isHiddenUI
- [**getIsInline\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Checks whether the code for the operation will be generated inline.
- [**getIsLoadOnDemand\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property isLoadOnDemand
- [**getIsMainBehavior\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Checks whether the statechart is the main behavior for the class.
- [**getIsNavigable\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property isNavigable
- [**getIsNewTerm\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStereotype](#)
Checks whether the stereotype is a "new term" stereotype.
- [**getIsOfMetaClass\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Indicates whether the model element is based on the metaclass provided as a parameter.
- [**getIsOrdered\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
For attributes with multiplicity greater than one, checks whether the order of the items was specified as significant.
- [**getIsOverridden\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Checks whether there is still an inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.
- [**getIsOverridden\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Checks whether the inheritance relationship between this statechart and the statechart of the base class was overridden.

[**getIsOverridden\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Checks whether the transition is a new transition added to the derived statechart, or a transition inherited from the base statechart.

[**getIsPanelWidget\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphNode](#)

get property isPanelWidget

[**getIsParameter\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPin](#)

Checks whether the element is an activity parameter or an action pin.

[**getIsPredefined\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property isPredefined

[**getIsReactive\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Checks whether the class is a reactive class, meaning that a statechart or an activity diagram has been created for the class so that it reacts to events.

[**getIsReference\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)

Checks whether the attribute was defined as a pointer.

[**getIsReferenceActivity\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Checks whether this element is a call behavior element.

[**getIsReversed\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

get property isReversed

[**getIsReversed\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)

Checks whether the flowport was specified as conjugated.

[**getIsShowDisplayName\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Checks whether the model element is configured to have its label displayed instead of its name whenever it is included in a diagram.

[**getIsStatic\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)

Checks whether the attribute was defined as static.

[**getIsStatic\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Checks whether the operation was defined as static.

[**getIsStub\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Checks whether the unit is currently unloaded.

[**getIsSymmetric\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property isSymmetric

[**getIsTrigger\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Checks whether the operation was defined as a triggered operation.

[**getIsTypedef\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property isTypedef

[**getIsTypedefConstant\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property isTypedefConstant

[**getIsTypedefOrdered\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property isTypedefOrdered

[**getIsTypedefReference\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

get property isTypedefReference

[**getIsUnresolved\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Checks if the element is an element that can't be resolved by Rhapsody.

[**getIsVirtual\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)

get property is virtual

[**getIsVirtual\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

For operations in C++ or C# classes, checks whether the operation was defined as virtual.

[**getItem\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Retrieves an item from a collection, using the index specified.

- [getItsAction\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the action that was set for the transition.
- [getItsClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Returns the class that the statechart is associated with.
- [getItsComponent\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method `getItsComponent`
- [getItsGuard\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the guard that was set for the transition.
- [getItsLabel\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the trigger, guard, and action for the transition, as a single string, as it appears in the label for the transition in the statechart, for example, IgnitionEvent[gear == 0]/runStarter().
- [getItsMatrixLayout\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
method `GetItsMatrixLayout`
- [getItsOperation\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTrigger](#)
method `getItsOperation`
- [getItsOwner\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Deprecated. Use *IRPModelElement.getOwner* instead.
- [getItsSource\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the state that is the source of the transition.
- [getItsStatechart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the statechart that this state belongs to.
- [getItsStatechart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the statechart that the transition belongs to.
- [getItsSwimlane\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)
For connectors in a swimlane, returns the swimlane that contains the connector.
- [getItsSwimlane\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the swimlane that the action is located in.
- [getItsTableLayout\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
method `GetItsTableLayout`
- [getItsTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the state that is the target of the transition.
- [getItsTrigger\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
Returns the trigger that was set for the transition.
- [get.JavaPluginManager\(\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
For internal use only.
- [getKey\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphicalProperty](#)
get property key
- [getKind\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
get property kind
- [getLanguage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property Language
- [getLanguage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Gets the language of the unit.
- [getLastModifiedTime\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns the time at which the file representing the unit was last modified.
- [getLastVisualizationModifiedTime\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)
Returns the time at which the visual representation of the diagram was last changed.
- [getLibraries\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
get property libraries
- [getLibraries\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property libraries

- [getLinks\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the classifier's link relationships.
- [getLinks\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the Links in the package.
- [getLinkSwitches\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property linkSwitches
- [getListOfFactoryProperties\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get list of factory properties
- [getListOfInitializerArguments\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method getListOfInitializerArguments
- [getListOfSelectedElements\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get list of selected elements
- [getListOfSiteProperties\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get list of site properties
- [getLocaleName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Returns the locale for the version of Rhapsody running.
- [getLocalProperties\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
method getLocalProperties
- [getLocalTags\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection of the tags that were created locally for this model element.
- [getLogicalCollaboration\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaborationDiagram](#)
Returns the IRPCollaboration object underlying the collaboration diagram.
- [getLogicalCollaboration\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSequenceDiagram](#)
Returns the IRPCollaboration object underlying the sequence diagram.
- [getLogicalStates\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns a collection of all the substates of the current state and all the first-level substates of those states, meaning down to the second level.
- [getLogRoot\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Gets the full path of the folder used for the Rhapsody log files.
- [getMainDiagram\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the "main" diagram for the element.
- [getMainFileName\(IRPModelElement, int, int\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)
method GetMainFileName
- [getMainName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method getMainName
- [getMakefileName\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method getMakefileName
- [getMakefileName\(IRPModelElement, int, int\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)
method GetMakefileName
- [getMatchCase\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Checks whether an exact match was specified for the query in terms of upper and lower case.
- [getMatchedField\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchResult](#)
get property matchedField
- [getMatchedFields\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchResult](#)
get property matchedFields
- [getMatchedObject\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchResult](#)
get property matchedObject
- [getMatchSpecifiedCriteria\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the query is to return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.

[getMatchWholeWord\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether a whole word match was specified for the search.

[getMessage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExecutionOccurrence](#)

get property message

[getMessage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessagePoint](#)

get property message

[getMessagePoints\(IRPClassifierRole\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Returns all the message points along the specified instance line.

[getMessagePoints\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Returns all the message points along the specified instance line.

[getMessagePoints\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOccurrence](#)

get property messagePoints

[getMessages\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

Returns a collection of all the messages in the sequence diagram.

[getMessageType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property messageType

[getMetaClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Gets the name of the metaclass on which the model element is based.

[getMetaClasses\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

Return a comma separated list of metaclasses or new terms - Rhapsody will call check for all elements in scope of check that are of the metaclass type in the list

[getMode\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)

get property mode

[getModelElementFileName\(IRPModelElement, int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method getModelElementFileName

[getModelElementFromSource\(String, int, int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Find model element from source code

[getModelObject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

get property modelObject

[getModules\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the File elements in the package.

[getMultiplicities\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPContextSpecification](#)

Returns the collection of the relevant indices for each of the model elements in the "value" collection.

[getMultiplicity\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)

Gets the multiplicity specified for the attribute.

[getMultiplicity\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property multiplicity

[getMultiplicity\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)

Returns the multiplicity that was specified for the tag.

[getName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPImageMap](#)

get property name

[getName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the name of the element.

[getName\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchResult](#)

get property name

[getName\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)

Return the name of the check (also used as its error message)

- [getNamespace\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
getNamespace
- [getNestedClassifiers\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of all the classifiers nested below the current classifier.
- [getNestedClassifiers\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the classifiers in the package.
- [getNestedComponents\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Returns a collection of all the nested components in the component.
- [getNestedComponents\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the Components in the package.
- [getNestedElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Gets a collection of all the model elements that are directly under the current element.
- [getNestedElementsByMetaClass\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Retrieves all of the model elements of the specified type below the current element.
- [getNestedElementsRecursive\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection that consists of the current element and all of the model elements below it.
- [getNestedSaveUnits\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns a collection of any sub-elements of the unit that were saved as individual files.
- [getNestedSaveUnitsCount\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns the number of sub-elements of the unit that were saved as individual files.
- [getNestedStatechart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the state's sub-statechart.
- [getNewCollaboration\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Creates a new IRPCollaboration object that can be used to create a sequence diagram.
- [getNewProgressBar\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
method getNewProgressBar
- [getNewTermStereotype\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
If a "new term" stereotype has been applied to the element, returns the stereotype.
- [getNode\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponentInstance](#)
get property node
- [getNodes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the Node elements in the package.
- [getNotifyPluginOnElementsChanged\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Checks whether plugins will be notified when model elements are modified.
- [getObjectAsObjectType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property ObjectAsObjectType
- [getObjectModelDiagrams\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the object model diagrams in the package.
- [getOfClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property ofClass
- [getOfMetaClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStereotype](#)
Gets the names of the metaclasses that the stereotype can be applied to.
- [getOfState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)
For history connectors, returns the state that the history connector belongs to.
- [getOfState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)
For default transitions, returns the state where the transition originates.
- [getOfTemplate\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
If the element is an instantiation of a template, this method returns the template that it instantiates.
- [getOMROOT\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property OMROOT

- [getOperation\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPCallOperation](#)
Returns the operation specified for this call operation element.
- [getOperations\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPClassifier](#)
Returns a collection of all the classifier's operations.
- [getOSLCLinks\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Returns a collection of all the element's OSLC links.
- [getOther\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPLink](#)
get property other
- [getOtherClass\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPRelation](#)
Gets the class that this class is related to via this relation.
- [getOutLinks\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPInstance](#)
method getOutLinks
- [getOutputWindowText\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)
Returns the text displayed in the output window.
- [getOutTransitions\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPStateVertex](#)
Returns all of the transitions that exit the element.
- [getOverlayIconFileName\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Returns the full path of the graphic file that is used as an overlay on this specific model element, on top of the regular icon that represent elements of this type in the browser.
- [getOverriddenProperties\(int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Returns a collection of all the properties whose value was overridden for this model element.
- [getOverriddenPropertiesByPattern\(String, int, int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
method getOverriddenPropertiesByPattern
- [getOWLListListener\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPowPaneMgr](#)
get list listener
- [getOwnedDependencies\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Returns all of the dependencies that are owned by the element.
- [getOwner\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPModelElement](#)
Returns the model element that owns this model element.
- [getOWPaneMgr\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)
For internal use only.
- [getOWTextListener\(String\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPowPaneMgr](#)
get text listener
- [getPackageFile\(IRPPackage, int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPComponent](#)
method getPackageFile
- [getPackages\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns a collection of all the nested packages in the package.
- [getPanelDiagrams\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPComponent](#)
Returns a collection of all the panel diagrams in the component.
- [getPanelDiagrams\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPPackage](#)
Returns a collection of all the panel diagrams in the package.
- [getPanelWidgetInstancePath\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPGraphNode](#)
get property panelWidgetInstancePath
- [getParameterKind\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPTemplateParameter](#)
Returns the type of the template parameter.
- [getParent\(\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPStateVertex](#)
Returns the element's parent.
- [getPath\(int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPComponent](#)
get property path
- [getPath\(int\)](#)** - Method in interface [com.telelogic.rhapsody.core.IRPConfiguration](#)

get property path

[**getPath\(int\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPFile](#)

get property path

[**getPicture\(String\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

Saves the diagram as an emf format file, using the path and filename provided as a parameter.

[**getPicture\(String\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPStatechart](#)

Saves the statechart as an emf format file, using the path and filename provided as a parameter.

[**getPictureAs\(String, String, int, IRPCollection\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPDiagram](#)

Saves the diagram in the specified graphic format, breaking the diagram into a number of files if necessary.

[**getPictureAs\(String, String, int, IRPCollection\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPStatechart](#)

Saves the statechart in the specified graphic format, breaking the diagram into a number of files if necessary.

[**getPictureAsDividedMetafiles\(String\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

Saves the diagram as an emf format file, breaking the diagram into a number of such files if necessary.

[**getPictureAsDividedMetafiles\(String\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPStatechart](#)

Saves the statechart as an emf format file, breaking the diagram into a number of such files if necessary.

[**getPictureEx\(String, String, int\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPDiagram](#)

method getPictureEx

[**getPictureFileName\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPImageMap](#)

get property pictureFileName

[**getPicturesWithImageMap\(String, IRPCollection\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPDiagram](#)

Saves the diagram as an emf format file, breaking the diagram into a number of files if necessary.

[**getPicturesWithImageMap\(String, IRPCollection\)**](#) - Method in interface

[com.telelogic.rhapsody.core.IRPStatechart](#)

Saves the statechart as an emf format file, breaking the diagram into a number of files if necessary.

[**getPinDirection\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPPin](#)

Returns the direction of the pin/parameter: In, Out, or InOut.

[**getPinType\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPPin](#)

Returns the type of the value held by the pin/parameter.

[**getPlugInWindow\(int, int, int\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPApplication](#)

PlugIn window factory

[**getPoints\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPImageMap](#)

get property points

[**getPort\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPMessage](#)

get property Port

[**getPortContract\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPPort](#)

Returns the contract defined for the port.

[**getPortDirection\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPSysMLPort](#)

Returns the direction that was specified for the flowport.

[**getPorts\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPClassifier](#)

Returns a collection of all the classifier's ports.

[**getPossibleVariants\(IRPModelElement\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPComponent](#)

method getPossibleVariants

[**getPosString\(\)**](#) - Method in interface [com.telelogic.rhapsody.core.IRPPlugInWindow](#)

Get position string

- [getPredecessor\(IRPMessage\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns the message that precedes the specified message.
- [getProfiles\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)
Returns a collection of all the profiles in the project.
- [getProject\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the project that the current element belongs to.
- [getProjects\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property projects
- [getPropertyValue\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
method getPropertyValue
- [getPropertyValue\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the value of the specified property for the model element.
- [getPropertyValueConditional\(String, IRPCollection, IRPCollection\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the value of the specified property for the model element, taking into account the collection of tokens specified and the collection of token values specified.
- [getPropertyValueConditionalExplicit\(String, IRPCollection, IRPCollection\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the value of the specified property for the model element, if the default value was overridden, taking into account the collection of tokens specified and the collection of token values specified.
- [getPropertyValueExplicit\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the value of the specified property for the model element if the default value was overridden.
- [getProvidedInterfaces\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)
get property providedInterfaces
- [getQualifier\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property qualifier
- [getQualifiers\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
method getQualifiers
- [getQualifierType\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
For associations that use qualifiers, returns the type of the qualifier.
- [getRedefines\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
method getRedefines
- [getReferencedSequenceDiagram\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)
Returns the sequence diagram referenced by the lifeline.
- [getReferences\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection of all the model elements that point to this model element.
- [getReferenceSequenceDiagram\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOccurrence](#)
get property referenceSequenceDiagram
- [getReferenceToActivity\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
For call behavior elements, returns the activity that is referenced.
- [getReferencingClassifierRolesRecursively\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)
Returns a collection of all the lifelines in referenced sequence diagrams.
- [getRelatedUseCases\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPSequenceDiagram](#)
For internal use only.
- [getRelationLabel\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property relationLabel
- [getRelationLinkName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
get property relationLinkName
- [getRelationRoleName\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property relationRoleName

[**getRelations\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns a collection of all the classifier's associations.

[**getRelationsIncludingBases\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)

Returns a collection of all the classifier's associations, including those it inherits from its base classifier.

[**getRelationTable\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Checks whether the table was defined as a "relation table".

[**getRelationType\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property relationType

[**getRemoteDependencies\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

For Rhapsody Model Manager projects, returns a collection of all the dependencies that the model element has on remote artifacts.

[**getRemoteRequirementsPopulateMode\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns the mode that was selected for loading remote requirements in the collection.

[**getRemoteResourcePackages\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For Model Manager and Design Manager projects, returns the packages of remote resources (the "Remote Resource Packages").

[**getRemoteURI\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

For elements that are remote resources, returns the URI of the resource.

[**getRepresentative\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateParameter](#)

For internal use only.

[**getRepresented\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowItem](#)

Returns a collection of all the information elements that are represented by the item flow.

[**getRepresents\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)

Returns the class/type that this object node represents.

[**getRepresents\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSwimlane](#)

Returns the model element that the swimlane represents.

[**getRequiredInterfaces\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

get property requiredInterfaces

[**getRequirementID\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRequirement](#)

Returns the ID that was set for the requirement.

[**getRequirementsByID\(String, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Returns all of the requirements that have the specified ID.

[**getRequirementTraceabilityHandle\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the ID used by DOORS to refer to this requirement.

[**getResultList\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

method GetResultList

[**getReturns\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Gets the return type of the operation.

[**getReturnTypeDeclaration\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

If an on-the-fly type is used as the return type of an operation, this method returns the declaration for the type.

[**getReturnValue\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

get property returnValue

[**getRhapsodyHandleErrorFunction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

getRhapsodyHandleErrorFunction

[**getRhapsodyHandleErrorFunctionLong\(\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

getRhapsodyHandleErrorFunctionLong

[**getRmmUrl\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the Rhapsody Model Manager url for the model element.

[getRoleType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationRole](#)

For internal use only.

[getRoleType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)

Returns a string representing the type of the classifier role, for example, CLASS for elements of type IRPClass and ACTOR for elements of type IRPActor.

[getRootInstanceSpecifications\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Returns a collection of all the root instance specifications in the package.

[getRootState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Returns the root state of the statechart.

[getRoundtripShadowModel\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For internal use only.

[getRowCount\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

Returns the number of rows in the matrix.

[getRowCount\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

Returns the number of rows in the table.

[getSavedInSeperateDirectory\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Checks whether the package is configured to be saved in a separate directory.

[getSaveUnit\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Returns the unit that the model element is saved in.

[getScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

method GetScope

[getScopeBySelectedElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Checks whether the scope of the component has been set to include all elements or only specific elements.

[getScopeElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Returns a collection of all the model elements in the scope of the component.

[getScopeElementsByCategory\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method getScopeElementsByCategory

[getScopeType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

get property scopeType

[getSearchFindAsOption\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the type of search that was specified for the search text - regular text, wildcard, regular expression, or empty string.

[getSearchManager\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

get Rhapsody search manager

[getSearchScopeElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns a collection of the model elements that constitute the scope for the search.

[getSearchScopeObject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Deprecated. *This method, used to return the scope specified for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method*

[IRPSearchQuery.getSearchScopeElements\(\)](#).

[getSearchText\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the text that was specified as the text to search for.

[getSelectedElement\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

get selected element

[getSelectedGraphElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

get selected graph elements

[getSelectedImage\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

Returns the full path of the image that was linked to the graphic element.

- [getSelection\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Gets the currently-selected graphic elements.
- [getSendAction\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the Send Action element associated with the state.
- [getSequenceDiagrams\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Returns a collection of the classifier's sequence diagrams.
- [getSequenceDiagrams\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the sequence diagrams in the package.
- [getSequenceNumber\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property sequenceNumber
- [getSerialNo\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property SerialNo
- [getSeverity\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)
Return the Severity of the check which one from predefined list of , ,
- [getShape\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPImageMap](#)
get property shape
- [getShouldCallFromCG\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalCheck](#)
Return true if this check should be automatically called before code generation
- [getSignature\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)
Returns the signature of the operation.
- [getSignature\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
method getSignature
- [getSignatureNoArgNames\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)
Returns the signature of the operation without the argument names.
- [getSignatureNoArgTypes\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)
Returns the signature of the operation without the argument types.
- [getSlotProperty\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSlot](#)
get property slotProperty
- [getSource\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPGraphEdge](#)
get property source
- [getSource\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property source
- [getSourceArtifacts\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
Gets the source artifacts for the classifier.
- [getSourceArtifacts\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Gets the source artifacts for the package.
- [getSourceExecutionOccurrence\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property sourceExecutionOccurrence
- [getSpecification\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)
Gets the text of the specification for the annotation.
- [getSpecificationRTF\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)
Returns the specification of the annotation in RTF format.
- [getSpecName\(int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)
method getSpecName
- [getStandardHeaders\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Returns the standard headers defined for the component.
- [getStandardHeaders\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
get property standardHeaders
- [getStatechart\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPClassifier](#)
This method should no longer be used because Rhapsody now allows you to define more than one statechart and activity diagram for a class.

- [getStatechart\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechartDiagram](#)
Returns the IRPStatechart object underlying the statechart.
- [getStatechartDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)
Returns the IRPStatechartDiagram object associated with the statechart.
- [getStatechartImplementation\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
Returns the statechart implementation specified for the configuration - reusable or flat.
- [getStateType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns the type of the state, for example, an And state or a Termination state.
- [getStaticReactions\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns a collection of the state's internal transitions.
- [getStereotype\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Deprecated. *Since Rhapsody now allows multiple stereotypes to be applied to a model element, the `getStereotypes()` method should be used instead.*
- [getStereotypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns a collection of the stereotypes that have been applied to the element.
- [getStructureDiagrams\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Returns a collection of any structure diagrams that are sub-elements of the unit.
- [getSubStates\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns a collection of the substates contained in this state.
- [getSubStateVertices\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Returns a collection of all the first-level elements contained in this state - this includes both node elements and connector elements.
- [getSuccessor\(IRPMessage\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollaboration](#)
Returns the message that follows the specified message.
- [getSuperEvent\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPEvent](#)
get property baseEvent
- [getSwimlanes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Returns a collection of all the swimlanes in the activity.
- [getSwimlanes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSwimlane](#)
Returns a collection of the swimlanes that are nested under this swimlane.
- [getTag\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the tag specified.
- [getTagMetaClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)
Returns the name of the metaclass to which the tag is applicable.
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCallOperation](#)
Returns the target specified for this call operation element.
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphEdge](#)
get property target
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)
Returns the target model element if the hyperlink points to a model element.
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPImageMap](#)
get property target
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property target
- [getTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)
Gets the event target of the Send Action element.
- [getTargetExecutionOccurrence\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property targetExecutionOccurrence
- [getTargetfileName\(IRPModelElement, int, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)
method GetTargetfileName

- [**getTargetName\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
method getTargetName
- [**getTemplateInstantiationParameters\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateInstantiation](#)
get property templateInstantiationParameters
- [**getTemplateParameters\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
For model elements that are templates, returns the template parameters.
- [**getTextToDisplay\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)
Returns the text that is displayed for the hyperlink.
- [**getTextToDisplayType\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)
Returns the type of text that is displayed for the hyperlink.
- [**getTheCodeGeneratorInterface\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get codegeneration interface
- [**getTheEntryAction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
method getTheEntryAction
- [**getTheExitAction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
method getTheExitAction
- [**getTheExternalCodeGeneratorInvoker\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get external code generator invoker
- [**getTheIntegratorInterface\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get integrator interface
- [**getTheJavaPluginsInterface\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
getTheJavaPluginsInterface
- [**getTheRoundtripInterface\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get roundtrip interface
- [**getTi\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
For model elements that are template instantiations, returns an object that contains the template instantiation parameters.
- [**getTimeConstraint\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Gets the text for the Time Constraint that was applied to this state variant.
- [**getTimeModel\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
Returns the time model specified for the configuration - real or simulated.
- [**getTimeObservation\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Gets the text of the Time Observation.
- [**getTimerValue\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
get property timerValue
- [**getTimingDiagrams\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the timing diagrams in the package.
- [**getTo\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
Returns the target of a link.
- [**getToElement\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property toElement
- [**getToElementTypes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Returns a collection of the "to" element types specified to be displayed in the matrix.
- [**getToElementTypes\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", returns a collection of the element types specified as the "to" element types.
- [**getToElementTypesQueryToUse\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Returns the query that was specified to determine the "to" element types.
- [**getToElementTypesQueryToUse\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", returns the query that was specified to determine the "to" element types.

[getToElementTypesUseQueryOrElementsList\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)

Checks whether a query or collection of element types was used to specify the "to" element types.

[getToElementTypesUseQueryOrElementsList\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For "relation tables", checks whether a query or collection of element types was used to specify the "to" element types.

[getToolSet\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
get property ToolSet

[getToolTipHTML\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Returns the HTML that would be used to display the tooltip for the element in the user interface.

[getToPort\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
Returns the port through which a link reaches a target object.

[getToScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
method GetToScope

[getToSysMLPort\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
get property toSysMLPort

[getType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessagePoint](#)
get property type

[getType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)
Returns the type that was specified for the flowport.

[getType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateInstantiationParameter](#)
get property type

[getType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)
Returns the type of the variable.

[getTypedefBaseType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
get property typedefBaseType

[getTypedefMultiplicity\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
get property typedefMultiplicity

[getTypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the types in the package.

[getUninitializedApplication\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRhapsodyServer](#)
getUninitializedApplication

[getURL\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)
Returns the target URL if the hyperlink points to a URL.

[getUseCaseDiagrams\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the use case diagrams in the package.

[getUseCases\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the use cases in the package.

[getUseOwnerScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
Checks whether the scope of the table view was defined as including the "owner" of the table view.

[getUserDataRoot\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Gets the full path of the folder where the Rhapsody data files were installed.

[getUserDefinedMetaClass\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Gets the name of the New Term on which the model element is based.

[getUserDefinedStereotypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Returns a collection of all the user-defined stereotypes in the package.

[getUserOMROOT\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Gets the full path of the UserShare folder of the Rhapsody installation.

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPContextSpecification](#)

Returns the collection of strings that represents the model elements that constitute the full path to the element.

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPEnumerationLiteral](#)

get property value

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphicalProperty](#)

get property value

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceValue](#)

Returns the stored value.

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLiteralSpecification](#)

Returns the stored value.

[getValue\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)

Returns the value of the tag.

[getValues\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSlot](#)

get property values

[getValueSpecifications\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)

Returns a collection of the initial values that were declared for elements where the multiplicity is greater than one.

[getVariant\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method getVariant

[getVariationPoints\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Returns a collection of the variation points that are included in the scope of the component.

[getView\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Retrieves the specified item from the list of tables, matrices, and diagrams that are to be searched.

[getViewCount\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns the number of views in the list of views that are to be searched.

[getViewIncludeModelElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Checks whether the query specifies that the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.

[getViewsToSearch\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Returns indication of which views (diagrams, tables, and matrices) are supposed to be searched.

[getVisibility\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)

Gets the visibility specified for the attribute.

[getVisibility\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)

get property visibility

[getVisibility\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Gets the visibility specified for the operation.

[getVisibility\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

get property visibility

[getWindowHandle\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

Get window handle

[GROUP_ALL](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[GROUP_CODE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[GROUP_ELEMENT_NAME](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[GROUP_OTHER_TEXT](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

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H

[hasNestedElements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Checks whether the model element contains other elements.

[hasPanelWidget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Checks whether the model element is bound to a panel diagram widget.

[hasPluginWithMethod\(String, String\)](#) - Method in class
com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)
Check if a method exists on a plugin

[hasPluginWithMethodArgs\(String, String, String\)](#) - Method in class
com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)
Check if a method with arguments exists on a plugin

[hideAllPorts\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphNode](#)
method hideAllPorts

[highlightByHandle\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
highlight by handle

[highLightElement\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
highlight element

[highLightElement\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Locates the element in the Rhapsody browser, and highlights the element in the diagram where it appears.

[highlightFromCode\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Highlights in the Rhapsody browser the model element associated with the specified line of code.

[HTML](#) - Static variable in class com.telelogic.rhapsody.core.[IRPMatrixView.ContentFormat](#)
Export in HTML format.

[HTML](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableView.ContentFormat](#)
Export in HTML format.

[HYPNameType](#) - Class in [com.telelogic.rhapsody.core](#)

[HYPNameType\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[HYPNameType](#)

Package	Class	Use	Tree	Serialized	Deprecated	Index	Help
PREV LETTER	NEXT LETTER				FRAMES	NO FRAMES	All Classes
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I	J	K	L	M	N	O	P
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I

[ID](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.AnnotationAttribute](#)
Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

[ID](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)
Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

[IGNORE_UNRESOLVED](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.UnresolvedKind](#)

[IMAGE_ONLY_SHOW_NAME](#) - Static variable in class com.telelogic.rhapsody.core.[IRPGraphElement.ImageLayout](#)

Set image layout as show image only with name

[IMAGE_ONLY_WITHOUT_NAME](#) - Static variable in class com.telelogic.rhapsody.core.[IRPGraphElement.ImageLayout](#)

Set image layout as show image only without name

[Implementation](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.UserDefinedMethod](#)

Use this value to declare that a dynamic java code was set to be executed for this column.

[importClasses\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
import Classes

[importDesignManagerModel\(String, String, String, String, String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Imports a Rhapsody Design Manager model into a new Rhapsody project.

[importPackageFromRose\(String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Imports the specified Rose package.

[importProjectFromRose\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Imports the specified Rose project.

[importSyncSimulinkBlock2\(IRPModelElement, String, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Imports a Simulink model into a Rhapsody model.

[importTlb\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
import tlb

[INCOMING_RELATION](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)

[INITIAL_VALUE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[initializeApplication\(IRPApplication\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRhapsodyServer](#)

initializeApplication

I

[initializeRhapsodyApplicationDllServer\(IRPApplication\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[insertProject\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Insert existing project into current workspace

[insertProjectFromDesignManager\(String, String, String, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[INSTANCE_SPECIFICATION_HIERARCHY](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[invokePluginsMethod\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

invoke Plugins Method

[invokeRPE\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Opens the Rhapsody Report Generator wizard.

[IRPAcceptEventAction](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAcceptEventAction interface represents Accept Event Action elements in a statechart or activity diagram.

[IRPAcceptTimeEvent](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAcceptTimeEvent interface represents Accept Time Event elements in activity diagrams and statecharts.

[IRPAction](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAction interface represents the action defined for a transition in a statechart.

[IRPActionBlock](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPActionBlock interface represents action blocks in sequence diagrams.

[IRPActivityDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPActivityDiagram interface represents activity diagrams in Rhapsody models.

[IRPActor](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPActor interface represents actors in Rhapsody models.

[IRPAnnotation](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAnnotation interface represents the different types of annotations you can add to your model - notes, comments, constraints, and requirements.

[IRPApplication](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPApplication interface represents the Rhapsody application, and its methods reflect many of the commands that you can access from the Rhapsody menu bar.

[IRPApplication.AddToModel_Mode](#) - Class in [com.telelogic.rhapsody.core](#)

This class holds constant values to be used with addToModelEx method.

[IRPApplication.AddToModel_Mode\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[IRPApplication.AddToModel_Mode](#)

[IRPArgument](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPArgument interface represents an argument of an operation or an event.

[IRPASCIIFile](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPAssociationClass](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAssociationClass interface represents association classes in Rhapsody models.

[IRPAssociationRole](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAssociationRole interface represents the association roles that link objects in communication diagrams.

[IRPAttribute](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPAttribute interface represents attributes of a class, and global variables.

[IRPAXViewCtrl](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPBaseExternalCodeGeneratorTool](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPCallOperation](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPCallOperation interface represents call operation elements in activity diagrams.

[IRPClass](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPClass interface represents classes in Rhapsody models.

[IRPClassifier](#) - Interface in [com.telelogic.rhapsody.core](#)

Represents the features shared by elements such as classes, actors, use cases, and types.

[IRPClassifierRole](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPClassifierRole interface represents lifelines in sequence diagrams and "objects" (lifelines) in communication diagrams.

[IRPCodeGenerator](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPCodeGenSimplifiersRegistry](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPCollaboration](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPCollaboration interface represents the capabilities included in sequence diagrams and communications diagrams.

[IRPCollaborationDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPCollaborationDiagram interface represents collaboration diagrams in a Rhapsody model.

[IRPCollection](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPCollection interface contains methods used to store and manipulate collections of various types of elements that you may have in your Rational Rhapsody model.

[IRPComment](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPComment interface represents comments in a Rhapsody model.

[IRPComponent](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPComponent interface represents a code generation component defined in a Rhapsody model.

[IRPComponentDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPComponentDiagram interface represents component diagrams in Rhapsody models.

[IRPComponentInstance](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPConditionMark](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPConditionMark interface represents condition marks in sequence diagrams.

[IRPConfiguration](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPConfiguration interface represents a code generation configuration within a specific component.

[IRPConnector](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPConnector interface represents the characteristics shared by the various types of "connector" elements that can be included in a statechart, such as condition connectors, history connectors, join sync bar connectors, and fork sync bar connectors.

[IRPConstraint](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPConstraint interface represents constraints in a Rhapsody model.

[IRPContextSpecification](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPContextSpecification interface represents the exact context of an object in a hierarchy.

[IRPControlledFile](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPControlledFile interface represents a controlled file in a Rhapsody model.

[IRPDependency](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPDependency interface represents dependencies in a Rhapsody model.

[IRPDeploymentDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPDeploymentDiagram interface represents deployment diagrams in Rhapsody models.

[IRPDestructionEvent](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPDestructionEvent interface represents destruction events in sequence diagrams.

[IRPDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPDiagram interface contains the methods shared by all the interfaces that represent specific types of diagrams.

[IRPDiagSynthAPI](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPEnumerationLiteral](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPEvent](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPEvent interface represents events in Rhapsody models.

[IRPEventReception](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPExecutionOccurrence](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPExternalCheckRegistry](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPExternalCodeGeneratorInvoker](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPExternalIDERegistry](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPExternalRoundtripInvoker](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPFile](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPFile interface represents a file or folder to be generated during code generation.

[IRPFileFragment](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPFlow](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPFlowchart](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPFlowchart interface represents activities in Rhapsody models.

[IRPFlowItem](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPFlowItem interface represents item flows in Rhapsody models.

[IRPGeneralization](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPGraphEdge](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPGraphElement](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPGraphElement.ImageLayout](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains constant values for use with the method setImageLayout

[IRPGraphElement.ImageLayout\(\)](#) - Constructor for class [com.telelogic.rhapsody.core.IRPGraphElement.ImageLayout](#)

[IRPGraphicalProperty](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPGraphNode](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPGuard](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPHyperLink](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPHyperLink interface represents hyperlinks in Rhapsody models.

[IRPImageMap](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInstance](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInstanceSlot](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInstanceSpecification](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInstanceValue](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPInstanceValue interface is used in contexts where a single model element must be stored.

[IRPIntegrator](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInteractionOccurrence](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInteractionOperand](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPInteractionOperand interface represents interaction operands in Rhapsody models.

[IRPInteractionOperator](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPInterfaceItem](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPInterfaceItem interface represents the features shared by operations, events, and event receptions in Rhapsody models.

[IRPInternalOEMPlugin](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPJavaPlugins](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPLink](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPLink interface represents links in Rhapsody models.

[IRPLiteralSpecification](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPLiteralSpecification interface is used in contexts where a single value must be stored.

[IRPMatrixLayout](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPMatrixLayout.QueryOrElementsList](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains constant values for use with the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`.

[IRPMatrixLayout.QueryOrElementsList\(\)](#) - Constructor for class [com.telelogic.rhapsody.core.IRPMatrixLayout.QueryOrElementsList](#)

[IRPMatrixView](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPMatrixView interface represents Matrix View elements in Rhapsody models.

[IRPMatrixView.ContentFormat](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains values that specify export format

[IRPMatrixView.ContentFormat\(\)](#) - Constructor for class [com.telelogic.rhapsody.core.IRPMatrixView.ContentFormat](#)

[IRPMessage](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPMessagePoint](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPModelElement](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPModelElement interface represents an element in a Rhapsody model, and its methods reflect the behavior shared by the various types of model elements.

[IRPModelElement.OSLCLink](#) - Class in [com.telelogic.rhapsody.core](#)

Constant values used with elements of this type

[IRPModelElement.OSLCLink\(\)](#) - Constructor for class [com.telelogic.rhapsody.core.IRPModelElement.OSLCLink](#)

[IRPModelElement.OSLCLink.Types](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains values that specify OSLC Types

[IRPModelElement.OSLCLink.Types\(\)](#) - Constructor for class [com.telelogic.rhapsody.core.IRPModelElement.OSLCLink.Types](#)

[IRPModule](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPNode](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPObjectModelDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPObjectModelDiagram interface represents object model diagrams in Rhapsody models.

[IRPObjectNode](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPObjectNode interface represents Object Node elements in activity diagrams.

[IRPOperation](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPOperation interface represents operations of classes in Rhapsody models.

[IRPowListListener](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPowPaneMgr](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPowTextListener](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPPackage](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPPackage interface represents packages in Rhapsody models.

[IRPPanelDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPPanelDiagram interface represents panel diagrams in Rhapsody models.

[IRPPin](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPPin interface represents action pins added to actions, or activity parameters added to action blocks, in an activity diagram.

[IRPPlugInWindow](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPPort](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPPort interface represents ports in Rhapsody models.

[IRPProfile](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPProfile interface represents profiles in Rhapsody models.

[IRPProgressBar](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPProject](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPProject interface represents Rhapsody projects.

[IRPRelation](#) - Interface in [com.telelogic.rhapsody.core](#)

Represents a relationship between two classes.

[IRPRequirement](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPRequirement interface represents requirements in a Rhapsody model.

[IRPRhapsodyServer](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPRoundTrip](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPSearchManager](#) - Interface in [com.telelogic.rhapsody.core](#)

IRPSearchManager is used to carry out a search in a Rhapsody model.

[IRPSearchQuery](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSearchQuery interface represents the search criteria objects that are used by IRPSearchManager to carry out searches.

[IRPSearchQuery.References](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.References\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.References](#)

[IRPSearchQuery.References.QuantityOperator](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.References.QuantityOperator\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.References.QuantityOperator](#)

[IRPSearchQuery.References.RelationKind](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.References.RelationKind\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)

[IRPSearchQuery.SearchInField](#) - Class in [com.telelogic.rhapsody.core](#)

Constant values used with elements of this type

[IRPSearchQuery.SearchInField\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[IRPSearchQuery.SubQueriesOperator](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.SubQueriesOperator\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.SubQueriesOperator](#)

[IRPSearchQuery.UnresolvedKind](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.UnresolvedKind\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.UnresolvedKind](#)

[IRPSearchQuery.ViewsToSearch](#) - Class in [com.telelogic.rhapsody.core](#)

[IRPSearchQuery.ViewsToSearch\(\)](#) - Constructor for class
com.telelogic.rhapsody.core.[IRPSearchQuery.ViewsToSearch](#)

[IRPSearchResult](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPSelection](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSelection interface contains methods for cutting, copying, pasting, and deleting graphic elements on diagrams.

[IRPSendAction](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSendAction interface represents Send Action elements in an activity or statechart.

[IRPSequenceDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSequenceDiagram interface represents sequence diagrams in a Rhapsody model.

[**IRPState**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPState interface represents states in a statechart.

[**IRPStatechart**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPStatechart interface represents the statechart elements underlying a statechart.

[**IRPStatechartDiagram**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPStatechartDiagram interface represents statecharts in a Rhapsody model.

[**IRPStateVertex**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPStateVertex interface represents the characteristics that are shared by various statechart elements such as states, join/fork connectors, and condition connectors.

[**IRPStereotype**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPStereotype interface represents stereotypes in Rhapsody models.

[**IRPStructureDiagram**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPStructureDiagram interface represents structure diagrams in a Rhapsody model.

[**IRPSwimlane**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSwimlane interface represents swimlanes in an activity diagram.

[**IRPSysMLPort**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPSysMLPort interface represents flowport elements in Rhapsody models.

[**IRPTableLayout**](#) - Interface in [com.telelogic.rhapsody.core](#)

[**IRPTableLayout.Column**](#) - Class in [com.telelogic.rhapsody.core](#)

This class holds constant values to be used with addColumn method.

[**IRPTableLayout.Column\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column](#)

[**IRPTableLayout.Column.AnnotationAttribute**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.AnnotationAttribute\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.AnnotationAttribute](#)

[**IRPTableLayout.Column.DependsOn**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains the pre-defined values to be used for Property parameter of addColumn method, when DependsOn is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.DependsOn\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.DependsOn](#)

[**IRPTableLayout.Column.FlowAttribute**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.FlowAttribute\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.FlowAttribute](#)

[**IRPTableLayout.Column.GeneralAttribute**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.GeneralAttribute\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.GeneralAttribute](#)

[**IRPTableLayout.Column.ImplementationCellType**](#) - Class in [com.telelogic.rhapsody.core](#)

[**IRPTableLayout.Column.ImplementationCellType\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.ImplementationCellType](#)

[**IRPTableLayout.Column.RelationAttributeFrom**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.RelationAttributeFrom\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.RelationAttributeFrom](#)

[**IRPTableLayout.Column.RelationAttributeTo**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.RelationAttributeTo\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.RelationAttributeTo](#)

[**IRPTableLayout.Column.RequirementAttribute**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.RequirementAttribute\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.RequirementAttribute](#)

[**IRPTableLayout.Column.UserDefinedMethod**](#) - Class in [com.telelogic.rhapsody.core](#)

Contains values to be used for Property parameter of addColumn method, when USER_DEFINED_METHOD is selected for the Type parameter of addColumn method.

[**IRPTableLayout.Column.UserDefinedMethod\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.Column.UserDefinedMethod](#)

[**IRPTableLayout.QueryOrElementsList**](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains constant values for use with the methods setFromElementTypesUseQueryOrElementsList and setToElementTypesUseQueryOrElementsList.

[**IRPTableLayout.QueryOrElementsList\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableLayout.QueryOrElementsList](#)

[**IRPTableView**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPTableView interface represents Table View elements in Rhapsody models.

[**IRPTableView.ContentFormat**](#) - Class in [com.telelogic.rhapsody.core](#)

This class contains values that specify export format

[**IRPTableView.ContentFormat\(\)**](#) - Constructor for class [com.telelogic.rhapsody.core.IRPTableView.ContentFormat](#)

[**IRPTag**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPTag interface represents tags in a Rhapsody model.

[**IRPTemplateInstantiation**](#) - Interface in [com.telelogic.rhapsody.core](#)

[**IRPTemplateInstantiationParameter**](#) - Interface in [com.telelogic.rhapsody.core](#)

[**IRPTemplateParameter**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPTemplateParameter interface represents parameters of a template in Rhapsody models.

[**IRPTimingDiagram**](#) - Interface in [com.telelogic.rhapsody.core](#)

[**IRPTransition**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPTransition interface represents transitions in a statechart.

[**IRPTrigger**](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPTrigger interface represents the trigger of a transition in a statechart.

[IRPType](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPUnit](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPUnit interface represents model elements that can be saved as separate files.

[IRPUseCase](#) - Interface in [com.telelogic.rhapsody.core](#)

[IRPUseCaseDiagram](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPUseCaseDiagram interface represents use case diagrams in a Rhapsody model.

[IRPValueSpecification](#) - Interface in [com.telelogic.rhapsody.core](#)

The interface IRPValueSpecification represents the UML concept of "value specification" and serves as the base interface for IRPContextSpecification, IRPInstanceValue, and IRPLiteralSpecification.

[IRPVariable](#) - Interface in [com.telelogic.rhapsody.core](#)

The IRPVariable interface represents the characteristics shared by model elements such as attributes, variables, and arguments.

[isActivelyManaged\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Checks whether the project is an actively-managed Design Manager project.

[isAnd\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Checks whether the state contains one or more And Lines.

[isArray\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

method isArray

[isATemplate\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Checks whether the model element is a template.

[isCompound\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Checks whether the state is a compound state, meaning a state that contains one or more substates.

[isConditionConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is a condition connector.

[isDefaultTransition\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Checks whether this is the default transition of the statechart.

[isDescriptionRTF\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Checks whether the description for the element is in RTF format.

[isDiagramConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is a diagram connector.

[isDiagramView\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Checks whether the diagram is a diagram view

[isDirectoryPerModelComponent\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPComponent](#)

method isDirectoryPerModelComponent

[isDisplayNameRTF\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Checks whether the label of the element is in RTF format.

[isEmpty\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

method isEmpty

[isEnum\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

For types whose "kind" was set to Language, parses the declaration to see if the type is actually an enum.

[isEqualTo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

method isEqualTo

[isForkConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is a fork sync bar connector.

[isHistoryConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is a history connector.

- [isImplicit\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
method isImplicit
- [isJoinConnector\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)
Checks whether the connector is a join sync bar connector.
- [isJunctionConnector\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)
Checks whether the connector is a junction connector.
- [isKindEnumeration\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
Checks whether the "kind" of the type is Enumeration.
- [isKindLanguage\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
Checks whether the "kind" of the type was set to Language.
- [isKindStruct\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
Checks whether the "kind" of the type is Structure.
- [isKindTypedef\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
Checks whether the "kind" of the type is Typedef.
- [isKindUnion\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
Checks whether the "kind" of the type is Union.
- [isLeaf\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Checks whether the state is a leaf state, meaning a state that does not contain any substates.
- [isModelChanged\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalRoundtrip](#)
property isModelChanged
- [isModified\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Checks if the element was modified since the model was last saved.
- [isModifiedRecursive\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Checks whether any part of the project has been modified and the project needs to be saved.
- [isNeedToMigrate\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPDependency](#)
Checks whether the dependency represents an OSLC link that has not yet been migrated to Rhapsody Model Manager.
- [isOpen\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)
method isOpen
- [isOperation\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPTrigger](#)
method isOperation
- [isPointer\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
method isPointer
- [isPointerToPointer\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
method isPointerToPointer
- [isProgressTaskCanceled\(int, int\)](#)** - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)
Check if a Progress Task is canceled
- [isReadOnly\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Checks whether the file used to store the unit is read-only.
- [isReference\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
method isReference
- [isReferenceToPointer\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
method isReferenceToPointer
- [isReferenceUnit\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Checks whether the unit was added to the model as a reference.
- [isRemote\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Checks whether the model element is a remote resource such as a DOORS/DOORS Next requirement.
- [isRhapsodyCL\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Is RhapsodyCL
- [isRhapsodyFileType\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Check if specified extension corresponds to any Rhapsody unit type

[isRoot\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Checks whether the state is the root state of the statechart.

[isRootInstanceSpecification\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)

Checks whether the instance specification is a root instance specification.

[isSendActionState\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Checks whether the state is a Send Action element.

[isSeparateSaveUnit\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Checks whether the current IRPUnit object is saved in its own file.

[isShowDiagramFrame\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Checks whether the diagram frame is currently visible.

[isSpecificationRTF\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Checks whether the specification is in RTF format

[isStaticReaction\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Checks whether the transition is an internal transition in a state.

[isStruct\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

For types whose "kind" was set to Language, parses the declaration to see if the type is actually a struct.

[isStubConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is an EnterExit point.

[isTemplate\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

method isTemplate

[isTerminationConnector\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Checks whether the connector is a termination connector.

[isTimeout\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTrigger](#)

method isTimeout

[isTypelessObject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

method isTypelessObject

[isUnion\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

For types whose "kind" was set to Language, parses the declaration to see if the type is actually a union.

[ITEM_FLOWS](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.FlowAttribute](#)

Value to be used for Property parameter of addColumn method, when FlowAttribute is selected for the Type parameter of addColumn method.

[itsCompoundSource\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

method itsCompoundSource

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L

[LABEL](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[LABEL](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)
Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[LESS THAN](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.References.QuantityOperator](#)

[LINK FROM](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)

[LINK FROM FULLNAME](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)

[LINK SUSPECT](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)

[LINK TYPE](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)

[LIST OF MODEL ELEMENTS](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.ImplementationCellType](#)
Value to be used for cellType parameter of SetColumnImplementationCellType method.

[load\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Loads the unit.

[loadFromQuery\(IRPTableLayout\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Loads the settings from the specified query into the search query object.

[loadPlugin\(String, IRPCollection, IRPCollection\)](#) - Method in class
com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Loads the Java plugin main class

[LOCALLY OVERRIDDEN PROPERTY](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[locateInBrowser\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Locates the model element in the Rhapsody browser.

[locateInIDE\(IRPConfiguration, String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
For projects that use Rhapsody's integration with Eclipse or Visual Studio, you can use the locateInIDE method to have the IDE highlight a specific line in a specific source file.

[lockOnDesignManager\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[loginToDesignManagerWithAlias\(String, String\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Used to log in to a Design Manager server.

[loginToDesignManagerWithCertificate\(String, String, String\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Used to log in to a Design Manager server.

[loginToDesignManagerWithUsername\(String, String, String\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPApplication](#)

Used to log in to a Design Manager server.

[loginToRemoteArtifactServer\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

For remote artifact packages, logs in to the server that contains the artifacts in the package.

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M

[m_javaPluginsManager](#) - Static variable in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[make\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

make

[makeUnidirect\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

method makeUnidirect

[matchOnSignature\(IRPInterfaceItem\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInterfaceItem](#)

Compares the signature of the operation with the signature of the operation that was provided as an argument.

[mergeElements\(IRPModelElement, IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

mergeElements

[migrateDesignManagerLinks\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For projects that contain imported Design Manager links, this method recreates the links as Rhapsody Model Manager links.

[MODEL_ELEMENT](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.ImplementationCellType](#)

Value to be used for cellType parameter of SetColumnImplementationCellType method.

[MORE_THAN](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.QuantityOperator](#)

[moveFragmentInOwner\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFileFragment](#)

method moveFragmentInOwner

[moveToAnotherProjectLeaveAReference\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPUnit](#)

Moves the unit to a different project, and adds a reference to it in the original project.

[moveToDesignManager\(String, String, String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPProject](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[moveToDesignManagerAfterLogin\(String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPProject](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[MULTIPLICITY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

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N

[NAME](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[NAME](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)
 Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[needsCodeGeneration\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
 method needsCodeGeneration checks is code generation is needed

[newProjectOnDesignManager\(String, String, String, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[NONE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.ViewsToSearch](#)

[NOTES AND TEXT](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[notifyFileChanged\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
 File change notification

[notifyGenerationDone\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalCodeGeneratorInvoker](#)
 method notifyGenerationDone

[notifySimplificationDone\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCodeGenSimplifiersRegistry](#)
 method notifySimplificationDone

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O

[okToAddAggregate\(IRPModelElement, IRPModelElement\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)

method OkToAddAggregate

[okToMakeAction\(IRPModelElement, String\)](#) - Method in class

com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)

method OkToMakeAction

[onCodeGenerationCompleted\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPCCodeGeneratorListener](#)

Called after code generation is completed

[onDiagramOpen\(IRPDiagram\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called when diagram is opened

[onDoubleClick\(IRPModelElement\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called on double click

[onElementsChanged\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[onFeaturesOpen\(IRPModelElement\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

Called when element features dialog is opened

[onGetStatus\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to get unit's status

[onIDETextMessage\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OnIDETextMessage

[onInvokeSearch\(IRPModelElement\)](#) - Method in class

com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OnSearchRequest

[onLocateInPendingChanges\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to locate unit in pending changes view

[onLocateInRepositoryFiles\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to locate unit in repository files' view

[onLock\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to lock unit

[ONLY UNRESOLVED OR UNLOADED](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.UnresolvedKind](#)

[onMenuItemSelect\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)

Selects a given menu item

[OnMenuItemSelect\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPUserPlugin](#)

[onMenuItemSelectWithParameters\(String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)

For internal use only.

[onNewSearchResult\(IRPSearchResult\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)

Called during search

O

[onNotifyMessage\(String, IRPCollection, IRPCollection\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OnNotifyMessage

[onPerspectiveChange\(String, String\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[onRefreshStatus\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called to refresh status cache in RTC

[onSelectionChanged\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPApplicationListener](#)

[onShowHistory\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to show CM revisions' history of a unit

[onShowInUnitView\(IRPModelElement\)](#) - Method in class

com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OnShowInUnitView

[OnTrigger\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPUserPlugin](#)

[onUnlock\(IRPUnit\)](#) - Method in class com.telelogic.rhapsody.core.[RPRTCLListener](#)

Called on request to un-lock unit

[open\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPASCIIFile](#)

open file

[open\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPControlledFile](#)

Opens the controlled file, using the associated program.

[open\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

method open

[OPEN](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.ViewsToSearch](#)

[open\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

method open

[openActiveXView\(String, IRPCollection, IRPCollection\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Open ActivexView

[openAdvancedSearchAndReplaceDialog\(\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Open Advanced Search and Replace dialog

[openCSVFile\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Displays the content of the specified csv file in a new tab in the Output window.

[openDiagram\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Opens the diagram.

[openDiagram\(IRPDiagram\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OpenDiagram

[openDiagramView\(IRPDiagram\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

method OpenDiagramView

[openDiagramView\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).

[openDiagramView\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Used internally by Rhapsody to display diagrams within Eclipse (when using the Rhapsody-Eclipse platform integration).

[openFeaturesDialog\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Displays the information for the element in the Features window.

[openFile\(String\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

Opens

[openFileAndSelectLine\(String, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

Opens file and selects line

[openFileList\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

method openFileList

[openHotFeatures\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OpenHotFeatures

[openNewFeatures\(IRPModelElement\)](#) - Method in class

com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

method OpenNewFeatures

[openProject\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Opens an existing Rhapsody project

[openProjectFromDesignManager\(String, String, String, String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[openProjectFromDesignManagerAfterLogin\(String, String, String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[openProjectFromURL\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

open Project From URL

[openProjectWithLastSession\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

open project with last session

[openProjectWithoutSubUnits\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

open project without subunits

[openYesNoCancelQuestion\(String, String, String, int\)](#) - Method in class

com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

Display YES OCancel message box with check-box to remmember the chosen reply

[OPERATION_BODIES](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[OR](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SubQueriesOperator](#)

[OUTGOING_RELATION](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)

[overrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Breaks the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.

[overrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Breaks the inheritance relationship between this statechart and the statechart of the base class.

[overrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

For internal use only.

[OWNER](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

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P

[pasteSelected\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSelection](#)

Pastes the item in the clipboard to the diagram that has the focus.

[populateDiagram\(IRPCollection, IRPCollection, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Populates the diagram with the elements and types of relations specified.

[populateDiagram\(IRPCollection, IRPCollection, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Populates the statechart with the elements and types of relations specified.

[populateRemoteRequirements\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

For Design Manager projects, populates the package with the remote requirements that model elements do not yet have dependencies upon.

[populateSlots\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)
method populateSlots

[PORT PROVIDED INERFACE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

[PORT PROVIDED INERFACE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

[PORT REQUIRED INERFACE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

[PORT REQUIRED INERFACE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

[postSimplify\(IRPModelElement, IRPModelElement, String\)](#) - Method in class

com.telelogic.rhapsody.core.[RPCodeGenSimplifier](#)

post element simplification

[progressTaskAsynchCallback\(int, int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPExternalIDERegistry](#)

Initiate Progress Task execution

[progressTaskAsynchEliminate\(int, int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPExternalIDERegistry](#)

Initiate Progress Task execution

[progressTaskStep\(int, int, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)

Indicate a Progress Task step performed

PROVIDED INERFACE OPERATIONS - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

PROVIDED INERFACE OPERATIONS - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

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Q

[QUERY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPMatrixLayout.QueryOrElementsList](#)

When QUERY is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that a query will be used to determine the "from" element types or "to" element types for the matrix.

[QUERY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.QueryOrElementsList](#)

When QUERY is used as the parameter for the methods `setFromElementTypesUseQueryOrElementsList` and `setToElementTypesUseQueryOrElementsList`, it indicates that a query is going to be used to determine the "from" element types or "to" element types for the relation table.

[quit\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

quit application

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R

[rearrangePorts\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Improves the graphic layout of ports on each of the specified graphic elements.

[rebuild\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

rebuild

[rebuildEntireProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

rebuildEntireProject

[rebuildWithDependencies\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

rebuildWithDependencies

[reCalculateEventsBaseId\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package.

[recalculateEventsBaseIds\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

If you are using Rhapsody's default numbering scheme for event IDs, then a certain amount of IDs are reserved for each package.

[receiveMessage\(long, long\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)

DiagSynthAPI : recieve sequence diagram message

[redo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Perform Redo

[refactorSelectedOperation\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Changes the name of the currently-selected operation and updates any references to the operation accordingly.

[REFERENCE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)

[referenceToAnotherProject\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPUnit](#)

Creates a reference to the unit in a different project.

[REFINE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)

OSLC link type: Refine

[refreshAllViews\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

refresh all views

[refreshRequest\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPExternalIDEManager](#)

Refresh Rhapsody project/workspace contents

[regenerate\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

regenerate

[regenerateElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

method regenerateElements

[regenerateEntireProject\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

regenerateEntireProject

[regenerateWithDependencies\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

regenerateWithDependencies

[registerAsActiveObject\(IRPApplication\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[registerCOMClient\(int, String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
register COM client

[RELAION ATTRIBUTE FROM](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Deprecated.

[RELAION ATTRIBUTE TO](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Deprecated.

[RELATION ATTRIBUTE FROM](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[RELATION ATTRIBUTE TO](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[reloadCSVFile\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Reloads the content of the specified csv file in a tab in the Output window.

[remove\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Removes an element from a collection.

[remove\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)

Removes the project from the Rhapsody workspace.

[removeAnchor\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Removes the anchor to the specified model element.

[removeColumn\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Removes the specified column from the table layout.

[removeConveyed\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

method removeConveyed

[removeCustomViewOnBrowser\(IRPPackage\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPPProject](#)

Removes the specified custom view from the model browser.

[removeCustomViewOnDiagram\(IRPDiagram, IRPPackage\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPPProject](#)

Removes the specified custom view from the specified diagram.

[removeFilterElementTypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes any element type filters that you defined to limit the search to certain element types.

[removeFilterReferences\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes reference search criterion that was defined for the search query.

[removeFilterSearchInFields\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes any element field filters that you defined to limit the search to certain element fields, for example, model element descriptions.

[removeFilterStereotypes\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes any stereotype filter that was defined to limit the search to model elements that have certain stereotypes applied to them.

[removeFilterSubQueries\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes the subquery criteria that were specified for the search.

[removeFilterSubQuery\(IRPTableLayout\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes the specified subquery from the search.

[removeFilterTag\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes the tag name and tag value criteria that were defined for the search query.

[removeFromInstrumentationScope\(IRPClassifier\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPConfiguration](#)

method `removeFromInstrumentationScope`

[removeGraphElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Removes the specified graphic elements from the diagram.

[removeInState\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)

Removes the specified state from the list of "In State" states for the object node.

[removeMetaClass\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStereotype](#)

Removes a metaclass from the list of metaclasses that the stereotype can be applied to.

[removePackageFromInstrumentationScope\(IRPPackage\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPConfiguration](#)

method `removePackageFromInstrumentationScope`

[removeProperty\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

method `removeProperty`

[removeProperty\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Removes the value that was set for the specified property.

[removeProvidedInterface\(IRPClass\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

method `removeProvidedInterface`

[removeQualifier\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

method `removeQualifier`

[removeRedefines\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

method `removeRedefines`

[removeRepresented\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowItem](#)

Removes the specified element from the collection of information elements that are represented by the item flow.

[removeRequiredInterface\(IRPClass\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

method `removeRequiredInterface`

[removeScopeElement\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPComponent](#)

Removes the specified model element from the scope of the component.

[removeSearchScopeElement\(IRPModelElement\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes the specified model element from the scope for the search.

[removeStereotype\(IRPStereotype\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Removes the specified stereotype from the element.

[removeSynthSDToModel2\(IRPSequenceDiagram\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)

`DiagSynthAPI` : `removeSynth` sequence diagram to model

[removeView\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Removes the specified view from the list of views to be searched for the search text.

[report\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

`report`

[REQUIRED_INERFACE_OPERATIONS](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of `addColumn` method, when `RelationAttributeFrom` is selected for the Type parameter of `addColumn` method.

[REQUIRED_INERFACE_OPERATIONS](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of `addColumn` method, when `RelationAttributeTo` is selected for the Type parameter of `addColumn` method.

[REQUIREMENT_ATTRIBUTE](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[REQUIREMENT_ID](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[REQUIREMENT_SPECIFICATION](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[reroute\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

method reroute

[reset\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProgressbar](#)

method reset

[resetCurrentContextClassFactory\(\)](#) - Static method in class

com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[resetEntryActionInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the entry action.

[resetExitActionInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from, for the exit action.

[resetLabelInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Restores inheritance from the base statechart for the three components that make up the transition label: trigger, guard, and action.

[resetSearchScope\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Resets the search scope to include the entire project, or all projects if multiple projects are open.

[rhapPluginAnimationStopped\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)

Notify the Plugin upon RhapPluginAnimationStopped

[RhapsodyAppServer](#) - Class in [com.telelogic.rhapsody.core](#)

The RhapsodyAppServer class contains methods relating to accessing an instance of Rhapsody.

[RhapsodyAppServer\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

[RhapsodyRuntimeException](#) - Exception in [com.telelogic.rhapsody.core](#)

[RhapsodyRuntimeException\(String\)](#) - Constructor for exception

com.telelogic.rhapsody.core.[RhapsodyRuntimeException](#)

[rhpCheckinLicense\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

checkin license

[rhpCheckoutLicense\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

checkout license

[RhpClassLoader](#) - Class in [com.telelogic.rhapsody.core](#)

[RhpClassLoader\(URL\[\]\)](#) - Constructor for class com.telelogic.rhapsody.core.[RhpClassLoader](#)

[rhpPluginAnimationStarted\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)

Notify the Plugin upon RhpPluginAnimationStarted

[rhpPluginCleanup\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)

Performs cleanup of the Plugin

[RhpPluginCleanup\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPUUserPlugin](#)

- [rhpPluginDoCommand\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Notify the Plugin to executes a command
- [rhpPluginFinalCleanup\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Performs final cleanup of the plugin
- [RhpPluginFinalCleanup\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPUUserPlugin](#)
- [rhpPluginInit\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Initializes the plugin
- [RhpPluginInit\(IRPApplication\)](#)** - Method in class com.telelogic.rhapsody.core.[RPUUserPlugin](#)
- [rhpPluginInvokeItem\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Invoke an item of the Plugin
- [RhpPluginInvokeItem\(\)](#)** - Method in class com.telelogic.rhapsody.core.[RPUUserPlugin](#)
- [RhpPluginInvokeItem\(String\)](#)** - Method in class com.telelogic.rhapsody.core.[RPUUserPlugin](#)
- [rhpPluginOnIDEBuildDone\(String\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Notify the Plugin upon build done
- [rhpPluginSetApplication\(IRPApplication\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Sets the IRPApplication of the plugin
- [rhpSavingProject\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
Notify the Plugin upon Rhapsody save
- [RhpUtils](#)** - Class in [com.telelogic.rhapsody.core](#)
- [RhpUtils\(\)](#)** - Constructor for class com.telelogic.rhapsody.core.[RhpUtils](#)
- [roundtrip\(\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
roundtrip
- [roundtripElements\(IRPCollection\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
method roundtripElements
- [roundtripFile\(String, int\)](#)** - Method in interface com.telelogic.rhapsody.core.[IRPRoundTrip](#)
roundtrip file
- [RP_HYP_FREETEXT](#)** - Static variable in class com.telelogic.rhapsody.core.[HYPNameType](#)
show user defined name
- [RP_HYP_LABELTEXT](#)** - Static variable in class com.telelogic.rhapsody.core.[HYPNameType](#)
show hyperlink target label
- [RP_HYP_NAMETEXT](#)** - Static variable in class com.telelogic.rhapsody.core.[HYPNameType](#)
show hyperlink target name
- [RP_HYP_TAGVALUETEXT](#)** - Static variable in class com.telelogic.rhapsody.core.[HYPNameType](#)
show hyperlink target tag value
- [RP_SEARCH_EMPTY_ONLY](#)** - Static variable in class com.telelogic.rhapsody.core.[SearchFindAsEnum](#)
search for empty string only
- [RP_SEARCH_EXACT](#)** - Static variable in class com.telelogic.rhapsody.core.[SearchFindAsEnum](#)
search for exact string
- [RP_SEARCH_REGEX](#)** - Static variable in class com.telelogic.rhapsody.core.[SearchFindAsEnum](#)
search as regular expression
- [RP_SEARCH_WILDCARD](#)** - Static variable in class com.telelogic.rhapsody.core.[SearchFindAsEnum](#)
search as wildcard
- [RPApplicationListener](#)** - Class in [com.telelogic.rhapsody.core](#)

[RPAApplicationListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPAApplicationListener](#)

[RPCCodeGeneratorListener](#) - Class in [com.telelogic.rhapsody.core](#)

[RPCCodeGeneratorListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPCCodeGeneratorListener](#)

[RPCCodeGenSimplifier](#) - Class in [com.telelogic.rhapsody.core](#)

[RPCCodeGenSimplifier\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)

[RPExtendedRPCClassesFactory](#) - Class in [com.telelogic.rhapsody.core](#)

[RPExtendedRPCClassesFactory\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPExtendedRPCClassesFactory](#)

[RPExternalCheck](#) - Class in [com.telelogic.rhapsody.core](#)

[RPExternalCheck\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPExternalCheck](#)

[RPExternalCodeGenerator](#) - Class in [com.telelogic.rhapsody.core](#)

[RPExternalCodeGenerator\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPExternalCodeGenerator](#)

[RPExternalIDEManager](#) - Class in [com.telelogic.rhapsody.core](#)

[RPExternalIDEManager\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPExternalIDEManager](#)

[RPExternalRoundtrip](#) - Class in [com.telelogic.rhapsody.core](#)

[RPExternalRoundtrip\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPExternalRoundtrip](#)

[RPIntegratorListener](#) - Class in [com.telelogic.rhapsody.core](#)

[RPIntegratorListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

[RPJavaPluginsManager](#) - Class in [com.telelogic.rhapsody.core](#)

[RPJavaPluginsManager\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

[RPowPaneMgrEvents](#) - Class in [com.telelogic.rhapsody.core](#)

[RPowPaneMgrEvents\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

[RPRoundTripListener](#) - Class in [com.telelogic.rhapsody.core](#)

[RPRoundTripListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPRoundTripListener](#)

[RPRTCListener](#) - Class in [com.telelogic.rhapsody.core](#)

[RPRTCListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPRTCListener](#)

[RPSearchListener](#) - Class in [com.telelogic.rhapsody.core](#)

[RPSearchListener\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPSearchListener](#)

[RPlugin](#) - Class in [com.telelogic.rhapsody.core](#)

[RPlugin\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[RPlugin](#)

[runApplication\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Runs the application that was built for the project

[runHelper\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

runHelper

[runHelperWithParameters\(String, String\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPApplication](#)

runHelperWithParameters

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S

[SATISFY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)
OSLC Link Type: Satisfy

[save\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)
Saves the project.

[save\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Saves the unit.

[saveAll\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
method saveAll

[saveAs\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)
Saves the project using the specified path.

[saveAsPrevVersion\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPProject](#)
Saves the project, using the format of a previous version of Rhapsody.

[saveAsQuery\(IRPPackage\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Saves the search query object that you defined as a query in your model.

[sDAddConditionMark\(long, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)
DiagSynthAPI : send condition mark to instance

[search\(IRPSearchQuery\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchManager](#)
Searches the model using the specified search query.

[searchAndShowResults\(IRPSearchQuery\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchManager](#)

Searches the model using the specified search query, and shows the results in the Search tab of the Output window.

[searchAsync\(IRPSearchQuery\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchManager](#)
Searches the model asynchronously, allowing you to continue working in Rhapsody.

[searchEnded\(IRPSearchQuery\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)
Called after search ends

[SearchFindAsEnum](#) - Class in [com.telelogic.rhapsody.core](#)

[SearchFindAsEnum\(\)](#) - Constructor for class com.telelogic.rhapsody.core.[SearchFindAsEnum](#)

[searchStarted\(IRPSearchQuery\)](#) - Method in class com.telelogic.rhapsody.core.[RPSearchListener](#)
Called before search starts

[selectGraphElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Selects multiple elements in the most recently opened diagram.

[selectModelElements\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Selects multiple items in the model browser.

[sendIDETextMessage\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalIDERegistry](#)
method SendIDETextMessage

[sendMessage\(long, String, String, String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)

DiagSynthAPI : send sequence diagram message

[sendToBack\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphNode](#)

method sendToBack

[setActiveComponent\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Sets the specified component as the active component for the project.

[setActiveComponent\(IRPComponent\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Sets the specified component as the active component for the project.

[setActiveConfiguration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Sets the specified configuration to be the active configuration of the project.

[setActiveConfiguration\(IRPConfiguration\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Sets the specified configuration to be the active configuration of the project.

[setActualParameterList\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

method setActualParameterList

[setAdditionalSources\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Specifies the additional sources to use for the component.

[setAdditionalSources\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property additionalSources

[setAllElementsInInstrumentationScope\(int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property allElementsInInstrumentationScope

[setApplicationStatus\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

setApplicationStatus

[setArgumentDirection\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPArgument](#)

Sets the direction of the argument.

[setArgValue\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateInstantiationParameter](#)

set property declaration

[setAsMainBehavior\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Specifies that this statechart should be the main behavior for the class.

[setAssociatedImage\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

set associatedImage

[setAttributeValue\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)

method setAttributeValue

[setBaseClass\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)

set method baseClass

[setBaseEvent\(IRPEvent\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPEvent](#)

set property baseEvent

[setBody\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAction](#)

Used to specify the code that serves as the action for the transition.

[setBody\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Adds a specification to the annotation.

[setBody\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGuard](#)

set property body

[setBody\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Sets the body of an operation.

[setBody\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTrigger](#)

set property body

[setBuildSet\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property buildSet

[setBuildType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Specifies the build type for the component.

[setCellElementTypes\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)

Specifies the element types to display in the cells of the matrix.

[setClassFactory\(RPExtendedRPCClassesFactory, boolean\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setClassifier\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)
set property classifier

[setClassType\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateParameter](#)
Sets the type of the parameter to "class".

[setCMHeader\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Sets the Configuration Management tool header for the unit.

[setCollapseFirstColumn\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Specifies whether or not the first column should include controls for collapsing and expanding rows that have the same value in the first column.

[setCollectionCachingMode\(boolean\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setCollectionCachingMode\(boolean\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setColumnContext\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
If you have defined a context pattern, this method can be used to specify a label from the context pattern, for the specified column.

[setColumnDefaultWidth\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Sets the default width of the specified column.

[setColumnImplementationAllowNew\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method can be used to include the New option in the list provided by the picker.

[setColumnImplementationAllowSelect\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method can be used to include the Select option in the list provided by the picker.

[setColumnImplementationCellType\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method is used to specify the type of information that will be displayed in the column's cells - string, model element, or list of model elements.

[setColumnImplementationDisplayProperty\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method is used to specify the type of element information that should be displayed when the cell value type is set to model element or list of model elements, for example, the name or value of the element.

[setColumnImplementationGetterCode\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method is used to specify the Java code for the getter for the cells in the column.

[setColumnImplementationImports\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method can be used to specify classes required by your code.

[setColumnImplementationPickerCode\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method is used to specify the Java code for the picker for the cells in the column.

[setColumnImplementationSetterCode\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

For columns that use customized cell behavior, this method is used to specify the Java code for the setter for the cells in the column.

[setColumnName\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Sets the name of the specified column.

[setColumnProperty\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Sets the Property of the specified column.

[setColumnType\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
Sets the type of the specified table column.

[setCompilerSwitches\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property compilerSwitches

[setComponent\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
set Component

[setComponentType\(IRPComponent\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponentInstance](#)
set property componentType

[setConfiguration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
set Configuration

[setContract\(IRPClass\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)
This function exists for backward compatability.

[setCPUtype\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPNode](#)
set property CPUtype

[setCurrentContextClassFactory\(RPExtendedRPClassesFactory\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setCustomViews\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDDiagram](#)
Specifies which custom views should be applied to this diagram view.

[setDeclaration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property declaration

[setDeclaration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)
Specifies an "on-the-fly" declaration for the type of the element instead of using an existing type.

[setDecorationStyle\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Used to specify the decoration style that should now be associated with the model element.

[setDefaultDirectoryScheme\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Set's the project's default directory scheme with regard to packages.

[setDefaultValue\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)
Sets a new default value for the variable.

[setDefaultClassFactory\(RPExtendedRPClassesFactory\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setDelayedReleaseInterfacesMode\(boolean\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setDependent\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDependency](#)
Sets the source element in the dependency relation, meaning the element that depends on the other element.

[setDependsOn\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDependency](#)

Sets the target element in the dependency relation, meaning the element on which the first element depends

[setDerivedClass\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)

set method derivedClass

[setDescription\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Sets the specified string as the description of the element.

[setDescriptionAndHyperlinks\(String, IRPCollection\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies an RTF string to use as the description for the element, and a collection of elements to which hyperlinks should be created.

[setDescriptionHTML\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Not implemented - should not be used.

[setDescriptionRTF\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies the RTF string to use for the description of the model element.

[setDirection\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

Specifies the direction to use for the flow.

[setDirectory\(int, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

method setDirectory

[setDisplayName\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies the text to use for the label of the model element.

[setDisplayNameRTF\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies the RTF string to use for the label of the model element.

[setDisplayOption\(char, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)

Sets the text to display for the the hyperlink.

[setDMBoolProperty\(String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[setDMProperty\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Deprecated. Support for Design Manager was removed from Rhapsody in release 8.4.

[setDocking\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

Set docking mode.

[setDurationConstraint\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Modifies the text of this Duration Constraint.

[setDurationObservation\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

Modifies the text of this Duration Observation.

[setDurationTime\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAcceptTimeEvent](#)

Specifies the duration that should be used for this element.

[setElementTypes\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Specifies the list of element types that should be displayed in the table.

[setEnd1\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

set property end1

[setEnd1Multiplicity\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)

set property end1Multiplicity

[setEnd1Name\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)

set property end1Name

[setEnd1ViaPort\(IRPInstance, IRPPort\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

method setEnd1ViaPort

[setEnd1ViaSysMLPort\(IRPInstance, IRPSysMLPort\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPFlow](#)

method setEnd1ViaSysMLPort

[setEnd2\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)

set property end2

- [**setEnd2Multiplicity\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
set property end2Multiplicity
- [**setEnd2Name\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
set property end2Name
- [**setEnd2ViaPort\(IRPInstance, IRPPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)
method setEnd2ViaPort
- [**setEnd2ViaSysMLPort\(IRPInstance, IRPSysMLPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlow](#)
method setEnd2ViaSysMLPort
- [**setEntryAction\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Sets the entry action for the state.
- [**setEvent\(IRPEvent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAcceptEventAction](#)
Specifies the event that the action should wait for.
- [**setEvent\(IRPEvent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPEventReception](#)
method setEvent
- [**setEvent\(IRPEvent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)
Specifies the event sent by the Send Action element.
- [**setExitAction\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
Sets the exit action for the state.
- [**setExplicit\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method setExplicit
- [**setExtensionPoint\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)
set property extensionPoint
- [**setFailedElementsComments\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPExternalCheckRegistry](#)
method setFailedElementsComments
- [**setFilename\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Specifies the name that should be used for the file representing the unit.
- [**setFileType\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)
set property fileType
- [**setFilterReference\(String, int, String, String, String, String, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Sets criteria for the search based on an element's references.
- [**setFilterSubQueriesOperator\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specify how the various subqueries specified should be combined - as an AND operation or an OR operation
- [**setFilterTag\(String, String, int, int, char\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Sets tag name and tag value criteria for the search query.
- [**setFilterTagLocalOnly\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specifies whether the tag criterion for a search should be limited to only local tags.
- [**setFilterUnitsOnly\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specifies whether the search should be limited to model elements that are saved units.
- [**setFilterUnresolvedKind\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specifies how unresolved elements should be handled in the search.
- [**setFlowchart\(IRPFlowchart\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Specifies a flowchart or activity for the operation.
- [**setFlowPort\(IRPSysMLPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
set property flowPort
- [**setFormalClassifier\(IRPClassifier\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)
Sets the specified element as the classifier realized by the lifeline.

- [**setFormalInstance\(IRPInstance\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClassifierRole](#)
Sets the specified element as the object realized by the lifeline.
- [**setFormalInterfaceItem\(IRPInterfaceItem\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Sets the realization of a message.
- [**setFormalType\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Used to specify the model element that should be associated with an action block, condition mark, timeout, or canceled timeout, in a sequence diagram.
- [**setFragmentText\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFileFragment](#)
set property fragmentText
- [**setFromElementTypes\(IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies the "from" element types that should be displayed in the matrix.
- [**setFromElementTypes\(IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies the list of element types to use as the "from" element types.
- [**setFromElementTypesQueryToUse\(IRPTableLayout\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies the query to use to determine the "from" element types for the matrix layout.
- [**setFromElementTypesQueryToUse\(IRPTableLayout\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies the query to use to determine the "from" element types for the table layout.
- [**setFromElementTypesUseQueryOrElementsList\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies whether a query or collection of element types should be used to determine the "from" element types for the matrix layout.
- [**setFromElementTypesUseQueryOrElementsList\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies whether a query or collection of element types should be used to determine the "from" element types for the table layout.
- [**setFromScope\(IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
Specifies the "from" scope to use for this matrix view.
- [**setGenerateCodeForActors\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property generateCodeForActors
- [**setGlobalConfiguration\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
Specifies the global configuration that should be used for the project.
- [**setGraphicalProperty\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
Sets a new value for a graphical property.
- [**setGraphicalPropertyOfText\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
Sets a new value for a graphical property for the specified textual element associated with the graphic element.
- [**setGUID\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Sets a new GUID for the model element.
- [**setHiddenUI\(boolean\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
set property hiddenUI
- [**setImageLayout\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
Used to specify the image layout that should be used for the image linked to the graphic element.
- [**setImplicit\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method setImplicit
- [**setIncludeDescendants\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specifies whether the scope for the search should include the descendants of the elements specified for the scope, for example, the subpackages of a package that was added to the scope.

- [setIncludeDescendants\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
set property includeDescendants
- [setIncludeDescendantsFromScope\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
set property includeDescendantsFromScope
- [setIncludeDescendantsToScope\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
set property includeDescendantsToScope
- [setIncludeInNextLoad\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)
Toggles whether the unit is going to be loaded the next time the model is loaded.
- [setIncludePath\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
Specifies the include path to use for the component.
- [setIncludePath\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property includePath
- [setInitializationCode\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property initializationCode
- [setInitializer\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For constructors, used to specify code for the initializer of the operation.
- [setInitializerArgumentValue\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
method setInitializerArgumentValue
- [setInstantiatedBy\(IRPOperation\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)
set property instantiatedBy
- [setInstantiates\(IRPRelation\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPLink](#)
method setInstantiates
- [setInState\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)
Deprecated. Use *addInState* instead.
- [setInstrumentationType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property instrumentationType
- [setInteger\(int, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)
Used to place an integer in a specific place in a collection.
- [setInteractionConstraint\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperand](#)
Sets the constraint (guard condition) for the interaction operand.
- [setInteractionType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInteractionOperator](#)
set property interactionType
- [setInternalTransition\(String, String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)
method setInternalTransition
- [setInvariant\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Modifies the text of the Invariant field for the state invariant.
- [setInverse\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
property setInverse
- [setInvokedOperation\(IRPInterfaceItem\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)
set property invokedOperation
- [setIsAbstract\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Specifies that the class should be abstract.
- [setIsAbstract\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Specifies whether an operation should be defined as abstract.
- [setIsActive\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Specifies that the class should be defined as "active", meaning that during execution it runs on its own thread.
- [setIsAnalysisOnly\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)
Specifies whether the activity should be defined as analysis-only.
- [setIsBehavioral\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)
set property isBehavioral

- [**setIsBehaviorOverriden\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPActor](#)
Specifies whether an actor should inherit the behavior defined in the statechart of its base class.
- [**setIsBehaviorOverriden\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Specifies whether a class should inherit the behavior defined in the statechart of its base class.
- [**setIsBehaviorOverriden\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)
set property `isBehaviorOverriden`
- [**setIsClass\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAssociationClass](#)
Specifies whether the element should be an association class or an association element.
- [**setIsConst\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For operations in C++ classes, used to specify whether an operation should be defined as a constant member function.
- [**setIsConstant\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
Specifies whether an attribute should be defined as constant.
- [**setIsElaborated\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTimingDiagram](#)
Specifies whether the diagram should be an elaborated timing diagram or a compact timing diagram.
- [**setIsFinal\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)
Specifies that the class should be a final class.
- [**setIsFinal\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
For operations in Java classes, used to specify whether an operation should be defined as final.
- [**setIsLoadOnDemand\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
set property `isLoadOnDemand`
- [**setIsNavigable\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)
set property `isNavigable`
- [**setIsNewTerm\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStereotype](#)
Used to change a stereotype to a "new term" stereotype, or change a "new term" stereotype to an ordinary stereotype.
- [**setIsOrdered\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
For attributes with multiplicity greater than one, this method is used to specify whether the attribute should be defined as ordered, meaning that the order of the items is significant.
- [**setIsParameter\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPin](#)
Specifies whether the element should be an activity parameter or an action pin.
- [**setIsReference\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
Specifies whether an attribute should be defined as a pointer.
- [**setIsReversed\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)
set property `isReversed`
- [**setIsReversed\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)
Specifies whether the flowport should be conjugated
- [**setIsShowDisplayName\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
Specifies whether the label of the element should be displayed instead of the element name whenever the element is used in a diagram.
- [**setIsStatic\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
Specifies whether an attribute should be defined as static.
- [**setIsStatic\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Specifies whether an operation should be defined as static.
- [**setIsTypedefConstant\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property `isTypedefConstant`
- [**setIsTypedefOrdered\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property `isTypedefOrdered`
- [**setIsTypedefReference\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property `isTypedefReference`
- [**setIsVirtual\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)

set property is virtual

[**setIsVirtual\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

For operations in C++ or C# classes, used to specify whether an operation should be defined as virtual.

[**setItsAction\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the action for the transition.

[**setItsComponent\(IRPComponent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

method setItsComponent

[**setItsGuard\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the guard for the transition.

[**setItsLabel\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the trigger, guard, and action for the transition.

[**setItsMatrixLayout\(IRPMatrixLayout\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

Specifies the matrix layout to use for this matrix view.

[**setItsOwner\(IRPOperation\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFlowchart](#)

Deprecated. Use *IRPModelElement.setOwner* instead.

[**setItsSource\(IRPStateVertex\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the source of the transition.

[**setItsStatechart\(IRPStatechart\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

For internal use only.

[**setItsSwimlane\(IRPSwimlane\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

Specifies the swimlane that should contain this connector.

[**setItsSwimlane\(IRPSwimlane\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Specifies the swimlane that the action should be in

[**setItsTableLayout\(IRPTableLayout\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

Specifies the table layout to use for this table view.

[**setItsTarget\(IRPStateVertex\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the target of the transition.

[**setItsTrigger\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

Sets the trigger for the transition.

[**setKind\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)

set property kind

[**setLanguage\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

set property Language

[**setLanguage\(String, int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Specifies the programming language that should be used when code is generated for the unit.

[**setLibraries\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

set property libraries

[**setLibraries\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property libraries

[**setLinkSwitches\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property linkSwitches

[**setLinkType\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDependency](#)

For dependencies on remote artifacts, sets the type of the link.

[**setLocalLibPath\(String\)**](#) - Method in class com.telelogic.rhapsody.core.[RhpClassLoader](#)

[**setLog\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

set log file

[**setLogFile\(String\)**](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

Specifies a log file to use for recording API actions.

[**setMainDiagram\(IRPDiagram\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies the "main" diagram for the element.

[setMatchCase\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Specifies whether the search should require an exact match in terms of upper and lower case.

[setMatchSpecifiedCriteria\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Specifies whether the query should return the model elements that match the criteria specified, or the model elements that do not match the criteria specified.

[setMatchWholeWord\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Specifies whether the search should require whole word matches.

[setModelElement\(int, IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Places an item in a specific place in a collection.

[setMultiplicities\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPContextSpecification](#)

Specifies the collection of indices to use for the model elements in the "value" collection.

[setMultiplicity\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)

Specifies the multiplicity for the attribute.

[setMultiplicity\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property multiplicity

[setMultiplicity\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)

Specifies the multiplicity for the tag.

[setName\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Sets the specified string as the name of the element.

[setNotifyPluginOnElementsChanged\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For plugins that use the callback API, you must call the method setNotifyPluginOnElementsChanged if you want the plugin to be notified when model elements are modified.

[setObjectExplicit\(IRPInstance\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Changes the specified object to an explicit object.

[setObjectImplicit\(IRPInstance\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

Changes the specified object to an implicit object.

[setObjID\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowListListener](#)

method SetObjID

[setObjID\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPowTextListener](#)

method SetObjID

[setOfClass\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property ofClass

[setOfState\(IRPState\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConnector](#)

For history connectors, specifies the state for which the connector should maintain historical state information.

[setOfTemplate\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Makes the current model element a template instantiation of the specified template.

[setOperation\(IRPInterfaceItem\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCallOperation](#)

Specifies the operation to use for this call operation element.

[setOtherClass\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property otherClass

[setOwner\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Specifies the model element that should be the owner of this element.

[setOwnerWithoutChangingDependent\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDependency](#)

Specifies a new owner for the dependency, without changing the dependent model element.

[setPanelWidgetInstancePath\(IRPCollection\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPGraphNode](#)

set property panelWidgetInstancePath

[setPaneWndTitle\(String, String\)](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

method SetPaneWndTitle

[**setParameterKind\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateParameter](#)

Used to specify the type of the template parameter.

[**setParent\(IRPState\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStateVertex](#)

Sets the parent state of the element.

[**setPath\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

method setPath

[**setPath\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPFile](#)

property setPath

[**setPinDirection\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPin](#)

Specifies the direction of the pin/parameter.

[**setPinType\(IRPClassifier\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPin](#)

Specifies the type to use for the value held by the pin/parameter.

[**setPort\(IRPPort\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)

set property Port

[**setPortContract\(IRPClass\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPort](#)

Used to specify the contract for the port.

[**setPortDirection\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)

Sets the direction of the flowport.

[**setPosString\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

Set position string

[**setProcessSubTaskName\(int, int, String\)**](#) - Method in class

com.telelogic.rhapsody.core.[RPEExternalIDEManager](#)

Set a Progress Task subtask's name

[**setPropertyValue\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)

method setPropertyValue

[**setPropertyValue\(String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Sets the value of a property for the model element.

[**setQualifier\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property qualifier

[**setQualifierType\(IRPClassifier\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

Sets the type to use for the qualifier for the association.

[**setReadOnly\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Toggles the read-only status of the file used to store the unit.

[**setReferencedSequenceDiagram\(IRPSequenceDiagram\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPClassifierRole](#)

Sets the specified diagram to be the sequence diagram referenced by the lifeline.

[**setReferenceSequenceDiagram\(IRPSequenceDiagram\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPInteractionOccurrence](#)

set property referenceSequenceDiagram

[**setReferenceToActivity\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

For call behavior elements, sets the activity that is referenced by the element.

[**setRelationLabel\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property relationLabel

[**setRelationLinkName\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property relationLinkName

[**setRelationRoleName\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property relationRoleName

[**setRelationTable\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)

Specifies whether the table should be defined as a "relation table".

[**setRelationType\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPRelation](#)

set property relationType

[setReleaseInterfacesOnGBMode\(boolean\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[setRemoteRequirementsPopulateMode\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

For collections of remote requirements, you can use setRemoteRequirementsPopulateMode to specify which requirements in the collection should be loaded when you open the model - all the requirements, only the requirements that have OSLC links to model elements, or none of the requirements.

[setRepresentative\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateParameter](#)

For internal use only.

[setRepresents\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPObjectNode](#)
Specifies the class/type that this object node should represent.

[setRepresents\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSwimlane](#)
Specifies the model element that the swimlane is to represent.

[setRequirementID\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPRequirement](#)
Sets the ID for the requirement.

[setRequirementTraceabilityHandle\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Sets a new ID to be used to reference this requirement

[setReturns\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Specifies the return type of the operation.

[setReturnTypeDeclaration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
Creates an on-the-fly type to use as the return type of the operation, using the declaration that you provide as a parameter.

[setReturnValue\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
set property returnValue

[setSavedInSeperateDirectory\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)
Specifies whether the package should be saved in a separate directory.

[setScope\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
Specifies the scope to use for this table view.

[setScopeBySelectedElements\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
set toggle the scope between selected and all-elements

[setScopeType\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
set property scopeType

[setSearchFindAsOption\(char\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Sets the type of search that should be used for the search text - regular text, wildcard, regular expression, or empty string.

[setSearchScopeObject\(IRPModelElement\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)

Deprecated. *This method, used to set the scope for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method*

[IRPSearchQuery.addSearchScope\(com.telelogic.rhapsody.core.IRPModelElement\)](#).

[setSearchText\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
Specifies the text that should be searched for.

[setSelectedImage\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphElement](#)
Links the graphic element to the image represented by the path specified.

[setSeparateSaveUnit\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Specifies whether the current IRPUnit object should be saved in its own file.

[**setShowDiagramFrame\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Shows/hides the diagram frame.

[**setShowDiagramFrame\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Shows/hides the diagram frame.

[**setSize\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Sets the size of a collection.

[**setSlotProperty\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceSlot](#)

set property slotProperty

[**setSpecification\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Adds a specification to the annotation.

[**setSpecificationRTF\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAnnotation](#)

Specifies RTF string to use for the specification of the annotation.

[**setStandardHeaders\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)

Specifies the standard headers for the component.

[**setStandardHeaders\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

set property standardHeaders

[**setStatechartImplementation\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)

Specifies the statechart implementation to use for the configuration.

[**setStateType\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Specifies the type of the state

[**setStaticReaction\(String, String, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Adds a new internal transition to the state.

[**setStereotype\(IRPStereotype\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies the specified stereotype to the element.

[**setString\(int, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Used to place a String in a specific place in a collection.

[**setSuperEvent\(IRPEvent\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPEvent](#)

set property baseEvent

[**setTagContextValue\(IRPTag, IRPCollection, IRPCollection\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies the specified tag to the model element, and sets the value of the tag to a specific instance of another model element.

[**setTagContextValue\(IRPCollection, IRPCollection\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPTag](#)

Sets the value of the tag to a specific instance of another model element.

[**setTagElementValue\(IRPTag, IRPModelElement\)**](#) - Method in interface

com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies a tag whose type is a model element to the current element with the value specified.

[**setTagMetaClass\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)

Specifies the metaclass to which the tag should be applicable, for example, "Class".

[**setTagValue\(IRPTag, String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Applies the specified tag to the model element with the value specified.

[**setTarget\(IRPRelation\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPCallOperation](#)

Specifies the target to use for this call operation element.

[**setTarget\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPControlledFile](#)

Specifies a different file to associate with the Controlled File element.

[**setTarget\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)

Sets the specified model element to be the target of the hyperlink.

[**setTarget\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSendAction](#)

Sets the specified model element to be the target of the Send Action element.

- [setTi\(IRPTemplateInstantiation\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)
For internal use only.
- [setTimeConstraint\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Modifies the text of this Time Constraint.
- [setTimeModel\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPConfiguration](#)
Specifies the time model to use for the configuration.
- [setTimeObservation\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
Modifies the text of this Time Observation.
- [setTimerValue\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMessage](#)
set property timerValue
- [setTitle\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)
Set window title
- [setToElementTypes\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies the "to" element types that should be displayed in the matrix.
- [setToElementTypes\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies the list of element types to use as the "to" element types for the table layout.
- [setToElementTypesQueryToUse\(IRPTableLayout\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies the query to use to determine the "to" element types for the matrix layout.
- [setToElementTypesQueryToUse\(IRPTableLayout\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies the query to use to determine the "to" element types for the table layout.
- [setToElementTypesUseQueryOrElementsList\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
Specifies whether a query or collection of element types should be used to determine the "to" element types for the matrix layout.
- [setToElementTypesUseQueryOrElementsList\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableLayout](#)
For "relation tables", specifies whether a query or collection of element types should be used to determine the "to" element types for the table layout.
- [setToolSet\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
set property ToolSet
- [setToScope\(IRPCollection\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)
Specifies the "to" scope to use for this matrix view.
- [setType\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPSysMLPort](#)
Sets the type for the flowport.
- [setType\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTemplateInstantiationParameter](#)
set property type
- [setType\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)
Sets the type of the variable.
- [setTypeDeclaration\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPVariable](#)
Specifies an "on-the-fly" declaration for the type of the element but first checks whether there is an existing type that matches the string provided as an argument.
- [setTypeDefBaseType\(IRPClassifier\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property typedefBaseType
- [setTypeDefMultiplicity\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPType](#)
set property typedefMultiplicity
- [setUnitPath\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

- Specifies the path that should be used to locate the unit when it is added to a model "By Reference".
[**setUpdateRecentFileList\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
 setUpdateRecentFileList
- [**setURL\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPHyperLink](#)
 Sets the specified URL to be the target of the hyperlink.
- [**setUseOwnerScope\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)
 Specifies whether the the scope of the table view should include the element that owns the table view.
- [**setUseUniqueStereotypeAndRefCache\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
 This method can be used to specify that all of the stereotypes in the model should be cached to allow quicker retrieval.
- [**setValue\(IRPCollection\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPContextSpecification](#)
 Specifies the collection of strings that represents the model elements that constitute the full path to the element.
- [**setValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPEnumerationLiteral](#)
 set property value
- [**setValue\(IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstanceValue](#)
 Sets the value to store.
- [**setValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPLiteralSpecification](#)
 Sets the value to store.
- [**setValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPTag](#)
 Sets the value of the tag.
- [**setVariant\(IRPModelElement, IRPModelElement\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPComponent](#)
 method setVariant
- [**setViewIncludeModelElements\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
 Specifies whether the search results should also include model elements that were found by the search but are not referenced in any of the views that you specified.
- [**setViewsToSearch\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPSearchQuery](#)
 Specifies which views (tables, matrices, and diagrams) should be searched - all, none, all open, or just the views that were specified with the methods addDiagramToViewsList, addTableToViewsList, and addMatrixToViewsList.
- [**setVisibility\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPAttribute](#)
 Specifies the visibility of the operation.
- [**setVisibility\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGeneralization](#)
 set property visibility
- [**setVisibility\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)
 Sets the visibility of the operation.
- [**setWaitDialogWatchdogValue\(String\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)
 The method setWaitDialogWatchdogValue provides a mechanism that allows an external process to inform Rhapsody that the process has ended or crashed.
- [**shouldAbortCodeGeneration\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)
 method shouldAbortCodeGeneration
- [**shouldAddAggregate\(IRPModelElement, IRPModelElement\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)
 method ShouldAddAggregate
- [**shouldMergeAggregate\(IRPModelElement, IRPModelElement, IRPModelElement, IRPModelElement\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)
 method ShouldMergeAggregate
- [**shouldMergeAssociation\(String, IRPModelElement, IRPModelElement, IRPModelElement, IRPModelElement\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)

method ShouldMergeAssociation

[**shouldMergeAttribute\(String, String, String, IRPModelElement, IRPModelElement, String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)

method ShouldMergeAttribute

[**shouldRemoveAggregate\(IRPModelElement, IRPModelElement, IRPModelElement\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalRoundtrip](#)

method ShouldRemoveAggregate

[**SHOW UNRESOLVED**](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.UnresolvedKind](#)

[**showAllPorts\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPGraphNode](#)

method showAllPorts

[**showBrowser\(int\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

ShowBrowser

[**showPaneWnd\(String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)

method ShowPaneWnd

[**showStatusBarMessage\(String\)**](#) - Method in class com.telelogic.rhapsody.core.[RPEXternalIDEManager](#)

Display message in status bar

[**showWindow\(int\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPPlugInWindow](#)

Show or hide window

[**simplify\(IRPModelElement, IRPModelElement, String\)**](#) - Method in class

com.telelogic.rhapsody.core.[RPCodeGenSimplifier](#)

simplify the user element

[**SPECIFICATION**](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.AnnotationAttribute](#)

Value to be used for Property parameter of addColumn method, when AnnotationAttribute is selected for the Type parameter of addColumn method.

[**SPECIFICATION**](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)

Value to be used for Property parameter of addColumn method, when RequirementAttribute is selected for the Type parameter of addColumn method.

[**startTransactionOfNoCGInterest\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPProject](#)

For internal use only.

[**startUndoTransaction\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

start undo transaction

[**STEREOTYPE**](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[**STEREOTYPES**](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

Value to be used for Property parameter of addColumn method, when GeneralAttribute is selected for the Type parameter of addColumn method.

[**STRING**](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.ImplementationCellType](#)

Value to be used for cellType parameter of SetColumnImplementationCellType method.

[**STRUCTURED**](#) - Static variable in class com.telelogic.rhapsody.core.[IRPGraphElement.ImageLayout](#)

Show image in structured layout

[**subscribedTo\(\)**](#) - Method in class com.telelogic.rhapsody.core.[RPIntegratorListener](#)

Get the application's name that Rhapsody integrates with

[**syncBuild\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

syncBuild

[**synchronizeTemplateInstantiation\(\)**](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

After changes are made to a template, this method can be called on each instantiation of the template in order to update the instantiation to match the changes that were made to the template.

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T

[TAG](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[TAG EDIT](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[TAG EDIT STRICT](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method

[TAG VALUE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[terminateApplication\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Terminate the Application

[TEXT FRAGMENT](#) - Static variable in class com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[tick\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPProgressBar](#)

method tick

[TO ELEMENT](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

[toList\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPCollection](#)

Returns a java.util.List populated with the elements in the collection.

[TRACE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)

OSLC Link Type: Trace

[TRANSITION LABEL](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

[TYPE DECLARATIONS AND REFERENCES](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)

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U

[UNDEFINED_RELATION](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)

[undo\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

Perform Undo

[unload\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUnit](#)

Unloads the unit.

[unloadFromTarget\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

unloadFromTarget

[unloadPlugin\(String, int\)](#) - Method in class com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)

Unload plugin

[unlockOnDesignManager\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPModelElement](#)

Deprecated. *Support for Design Manager was removed from Rhapsody in release 8.4.*

[unoverrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPState](#)

Restores the inheritance relationship between this state and the corresponding state from the statechart of the class that this class is derived from.

[unoverrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPStatechart](#)

Restores the inheritance relationship between this statechart and the statechart of the base class.

[unoverrideInheritance\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTransition](#)

For internal use only.

[unRegisterAsActiveObject\(IRPApplication\)](#) - Static method in class

com.telelogic.rhapsody.core.[RhapsodyAppServer](#)

For internal use only.

[unregisterCOMClient\(int, String, int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)

unregister COM client

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPActor](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the actor.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPClass](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the class.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface

com.telelogic.rhapsody.core.[IRPComponent](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the component.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPInstance](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the instance.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPOperation](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the operation.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the package.

[updateContainedDiagramsOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPUseCase](#)

Updates the views on the Rhapsody Model Manager server for all the diagrams contained in the use case.

[updateContainedMatricesOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Updates the views on the Rhapsody Model Manager server for all the matrices contained in the package.

[updateContainedTablesOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPPackage](#)

Updates the views on the Rhapsody Model Manager server for all the tables contained in the package.

[updateViewOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPDiagram](#)

Updates the view for the diagram on the Rhapsody Model Manager server.

[updateViewOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPMatrixView](#)

Updates the view for the matrix on the Rhapsody Model Manager server.

[updateViewOnServer\(int\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPTableView](#)

Updates the view for the table on the Rhapsody Model Manager server.

[USER_DEFINED_METHOD](#) - Static variable in class

com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

Value used for Type parameter of addColumn method.

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V

[VALIDATEDBY](#) - Static variable in class com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)
OSLC link type: Validated By

[VALUE](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

[version\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Get Rhapsody version

[versionNumberLong\(\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Get Rhapsody versionNumberLong

[VIA_PORT](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeFrom is selected for the Type parameter of addColumn method.

[VIA_PORT](#) - Static variable in class
com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)

Value to be used for Property parameter of addColumn method, when RelationAttributeTo is selected for the Type parameter of addColumn method.

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W

[whoAmI\(\)](#) - Method in class com.telelogic.rhapsody.core.[RPEExternalCodeGenerator](#)
method WhoAmI

[write\(String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPASCIIFile](#)
write to file

[writeCodeGenMessage\(String\)](#) - Method in interface
com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)
method writeCodeGenMessage

[writeToLog\(String\)](#) - Static method in class com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
Writes the specified text to the Rhapsody API log file.

[writeToOutputWindow\(String, String\)](#) - Method in interface com.telelogic.rhapsody.core.[IRPApplication](#)
Writes text to Rhapsody's Output window.

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X

[XML](#) - Static variable in class com.telelogic.rhapsody.core.[IRPMatrixView.ContentFormat](#)
Export in XML format.

[XML](#) - Static variable in class com.telelogic.rhapsody.core.[IRPTableView.ContentFormat](#)
Export in XML format.

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Deprecated Fields

[com.telelogic.rhapsody.core.IRPTableLayout.Column.RELAION_ATTRIBUTE_FROM](#)

[com.telelogic.rhapsody.core.IRPTableLayout.Column.RELAION_ATTRIBUTE_TO](#)

Deprecated Methods

[com.telelogic.rhapsody.core.IRPApplication.connectToImportedModel\(String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.createDomainFromProfile\(IRPProfile, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.dmRefreshRecursive\(IRPUnit\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.dMSyncAndRefresh\(IRPProject, int, int\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPHyperLink.getDisplayOption\(char, String\)](#)

Use [IRPHyperLink.getTextToDisplayType\(\)](#) and [IRPHyperLink.getTextToDisplay\(\)](#) instead.

[com.telelogic.rhapsody.core.IRPApplication.getDMBoolProperty\(String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.getDMModelWorkspaceFolder\(\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.getDMProperty\(String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPObjectNode.getInState\(\)](#)

Use [getInStateList\(\)](#) instead.

[com.telelogic.rhapsody.core.IRPFlowchart.getItsOwner\(\)](#)

Deprecated Methods

Use [IRPModelElement.getOwner](#) instead.

[com.telelogic.rhapsody.core.IRPSearchQuery.getSearchScopeObject\(\)](#)

This method, used to return the scope specified for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method [IRPSearchQuery.getSearchScopeElements\(\)](#).

[com.telelogic.rhapsody.core.IRPModelElement.getStereotype\(\)](#)

Since Rhapsody now allows multiple stereotypes to be applied to a model element, the [getStereotypes\(\)](#) method should be used instead.

[com.telelogic.rhapsody.core.IRPApplication.insertProjectFromDesignManager\(String, String, String, String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPModelElement.lockOnDesignManager\(\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPProject.moveToDesignManager\(String, String, String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPProject.moveToDesignManagerAfterLogin\(String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.newProjectOnDesignManager\(String, String, String, String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.openProjectFromDesignManager\(String, String, String, String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.openProjectFromDesignManagerAfterLogin\(String, String, String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.setDMBoolProperty\(String, int\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPApplication.setDMProperty\(String, String\)](#)

Support for Design Manager was removed from Rhapsody in release 8.4.

[com.telelogic.rhapsody.core.IRPObjectNode.setInState\(String\)](#)

Use [addInState](#) instead.

[com.telelogic.rhapsody.core.IRPFlowchart.setItsOwner\(IRPOperation\)](#)

Use [IRPModelElement.setOwner](#) instead.

[com.telelogic.rhapsody.core.IRPSearchQuery.setSearchScopeObject\(IRPModelElement\)](#)

This method, used to set the scope for the search, was introduced when Rhapsody only allowed you to specify a single element as the scope. Now that Rhapsody allows you to specify a list of such elements, you should use the method

[IRPSearchQuery.addSearchScope\(com.telelogic.rhapsody.core.IRPModelElement\)](#).

[com.telelogic.rhapsody.core.IRPModelElement.unlockOnDesignManager\(\)](#)

Deprecated Methods

Support for Design Manager was removed from Rhapsody in release 8.4.

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Constant Field Values

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com.telelogic.*

com.telelogic.rhapsody.core.HYPNameType		
public static final char	RP_HYP_FREETEXT	0
public static final char	RP_HYP_LABELTEXT	2
public static final char	RP_HYP_NAMETEXT	1
public static final char	RP_HYP_TAGVALUETEXT	3

com.telelogic.rhapsody.core.IRPApplication.AddToModel Mode		
public static final int	AS_REFERENCE	0
public static final int	AS_UNIT_WITH_COPY	1
public static final int	AS_UNIT_WITHOUT_COPY	2

com.telelogic.rhapsody.core.IRPGraphElement.ImageLayout		
public static final java.lang.String	COMPARTMENT	"Compartment"
public static final java.lang.String	IMAGE_ONLY_SHOW_NAME	"Image Only Show Name"
public static final java.lang.String	IMAGE_ONLY_WITHOUT_NAME	"Image Only Without Name"
public static final java.lang.String	STRUCTURED	"Structured"

com.telelogic.rhapsody.core.IRPMatrixLayout.QueryOrElementsList		
public static final int	ELEMENTS_LIST	0
public static final int	QUERY	1

com.telelogic.rhapsody.core.IRPMatrixView.ContentFormat		
public static final java.lang.String	CSV	"CSV"
public static final java.lang.String	HTML	"HTML"
public static final java.lang.String	XML	"XML"

com.telelogic.rhapsody.core.IRPModelElement.OSLCLink.Types

public static final java.lang.String	DERIVES	"http://jazz.net/ns/dm/linktypes"
public static final java.lang.String	ELABORATES	"http://open-services.net/ns/cm#relatedArchitecture"
public static final java.lang.String	EXTERNAL	"http://jazz.net/ns/dm/linktypes#"
public static final java.lang.String	REFINE	"http://jazz.net/ns/dm/linktype"
public static final java.lang.String	SATISFY	"http://jazz.net/ns/dm/linktypes"
public static final java.lang.String	TRACE	"http://jazz.net/ns/dm/linktyp"
public static final java.lang.String	VALIDATEDBY	"http://jazz.net/ns/qm/rqm#validatesArchitecture"

com.telelogic.rhapsody.core.IRPSearchQuery.References.QuantityOperator

public static final java.lang.String	EXACTLY	"Exactly"
public static final java.lang.String	LESS THAN	"Less than"
public static final java.lang.String	MORE THAN	"More than"

com.telelogic.rhapsody.core.IRPSearchQuery.References.RelationKind

public static final java.lang.String	AGGREGATE	"Aggregate"
public static final java.lang.String	DIAGRAM_ELEMENT	"Diagram element"
public static final java.lang.String	INCOMING_RELATION	"Incoming relation"
public static final java.lang.String	OUTGOING_RELATION	"Outgoing relation"
public static final java.lang.String	REFERENCE	"Reference"
public static final java.lang.String	UNDEFINED_RELATION	"Undefined relation"

com.telelogic.rhapsody.core.IRPSearchQuery.SearchInField

public static final java.lang.String	COMMENT_SPECIFICATION	"Comment specification"
public static final java.lang.String	CONFIGURATION_INITIALIZATION	"Configuration initialization"
public static final java.lang.String	CONSTRAINT_SPECIFICATION	"Constraint specification"
public static final java.lang.String	DESCRIPTIONS	"Descriptions"
public static final java.lang.String	ENUMERATION_LITERAL_VALUE	"Enumerationliteral value"
public static final java.lang.String	GROUP_ALL	"<All>"
public static final java.lang.String	GROUP_CODE	"<User code (Operation bodies, actions, etc.)>"
public static final java.lang.String	GROUP_ELEMENT_NAME	"<Element Name>"
public static final java.lang.String	GROUP_OTHER_TEXT	"<Other text (Descreptions, label, specification, etc.)>"
public static final java.lang.String	INITIAL_VALUE	"Initial value (attribute, argument)"
public static final java.lang.String	LABEL	"Label"
public static final java.lang.String	LOCALLY_OVERRIDDEN_PROPERTY	"Locally overridden property"

com.telelogic.rhapsody.core.IRPSearchQuery.SearchInField		
public static final java.lang.String	MULTIPLICITY	"Multiplicity"
public static final java.lang.String	NAME	"Name"
public static final java.lang.String	NOTES AND TEXT	"Notes and Text"
public static final java.lang.String	OPERATION BODIES	"Operation bodies"
public static final java.lang.String	REQUIREMENT ID	"Requirement ID"
public static final java.lang.String	REQUIREMENT SPECIFICATION	"Requirement specification"
public static final java.lang.String	STEREOTYPE	"Stereotype"
public static final java.lang.String	TAG VALUE	"Tag value"
public static final java.lang.String	TEXT FRAGMENT	"TextFragment"
public static final java.lang.String	TRANSITION LABEL	"Transition label (action, guard, trigger)"
public static final java.lang.String	TYPE DECLARATIONS AND REFERENCES	"Type declarations and references"

com.telelogic.rhapsody.core.IRPSearchQuery.SubQueriesOperator		
public static final java.lang.String	AND	"And"
public static final java.lang.String	OR	"Or"

com.telelogic.rhapsody.core.IRPSearchQuery.UnresolvedKind		
public static final java.lang.String	IGNORE UNRESOLVED	"Ignore unresolved"
public static final java.lang.String	ONLY UNRESOLVED OR UNLOADED	"Only unresolved or unloaded"
public static final java.lang.String	SHOW UNRESOLVED	"Show unresolved"

com.telelogic.rhapsody.core.IRPSearchQuery.ViewsToSearch		
public static final java.lang.String	ALL	"All"
public static final java.lang.String	DETAILED	"Detailed"
public static final java.lang.String	NONE	"None"
public static final java.lang.String	OPEN	"Open"

com.telelogic.rhapsody.core.IRPTableLayout.Column		
public static final java.lang.String	ANNOTATION ATTRIBUTE	"Annotation Attribute"
public static final java.lang.String	CONTEXT PATTERN HIERARCHY	"ContextPatternHierarchy"
public static final java.lang.String	DEPENDS ON	"Depends On"
public static final java.lang.String	FLOW ATTRIBUTE	"Flow Attribute"
public static final java.lang.String	GENERAL ATTRIBUTE	"General Attribute"
public static final java.lang.String	INSTANCE SPECIFICATION HIERARCHY	"InstanceSpecificationHierarchy"
public static final java.lang.String	RELATION ATTRIBUTE FROM	"Relation Attribute (From)"

com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)

public static final java.lang.String	RELAION ATTRIBUTE TO	"Relation Attribute (T
public static final java.lang.String	RELATION ATTRIBUTE FROM	"Relation Attribute (Fro
public static final java.lang.String	RELATION ATTRIBUTE TO	"Relation Attribute (T
public static final java.lang.String	REQUIREMENT ATTRIBUTE	"Requirement Attribu
public static final java.lang.String	TAG	"T
public static final java.lang.String	TAG EDIT	"T
public static final java.lang.String	TAG EDIT STRICT	"Tag (Stric
public static final java.lang.String	USER_DEFINED_METHOD	"User Defined Meth

com.telelogic.rhapsody.core.[IRPTableLayout.Column.AnnotationAttribute](#)

public static final java.lang.String	ID	"ID"
public static final java.lang.String	SPECIFICATION	"Specification"

com.telelogic.rhapsody.core.[IRPTableLayout.Column.DependsOn](#)

public static final java.lang.String	DEPENDENCY	"Dependency"
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com.telelogic.rhapsody.core.[IRPTableLayout.Column.FlowAttribute](#)

public static final java.lang.String	ITEM FLOWS	"Item Flows"
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com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)

public static final java.lang.String	CLASSIFIER	"Classifier"
public static final java.lang.String	DESCRIPTION	"Description"
public static final java.lang.String	ELEMENT TYPE	"Element type"
public static final java.lang.String	FULL_PATH_NAME	"Full path name"
public static final java.lang.String	LABEL	"Label"
public static final java.lang.String	NAME	"Name"
public static final java.lang.String	OWNER	"Owner"
public static final java.lang.String	STEREOTYPES	"Stereotypes"
public static final java.lang.String	VALUE	"Value"

com.telelogic.rhapsody.core.[IRPTableLayout.Column.ImplementationCellType](#)

public static final java.lang.String	LIST OF MODEL ELEMENTS	"List of model elements"
public static final java.lang.String	MODEL_ELEMENT	"Model element"
public static final java.lang.String	STRING	"String"

com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)

public static final java.lang.String	FROM_ELEMENT	"From element"
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com.telelogic.rhapsody.core. IRPTableLayout.Column.RelationAttributeFrom		
public static final java.lang.String	PORT_PROVIDED_INTERFACE	"Port provided interface"
public static final java.lang.String	PORT_REQUIRED_INTERFACE	"Port required interface"
public static final java.lang.String	PROVIDED_INTERFACE_OPERATIONS	"Provided interface operations"
public static final java.lang.String	REQUIRED_INTERFACE_OPERATIONS	"Required interface operations"
public static final java.lang.String	VIA_PORT	"Via port"

com.telelogic.rhapsody.core. IRPTableLayout.Column.RelationAttributeTo		
public static final java.lang.String	PORT_PROVIDED_INTERFACE	"Port provided interface"
public static final java.lang.String	PORT_REQUIRED_INTERFACE	"Port required interface"
public static final java.lang.String	PROVIDED_INTERFACE_OPERATIONS	"Provided interface operations"
public static final java.lang.String	REQUIRED_INTERFACE_OPERATIONS	"Required interface operations"
public static final java.lang.String	TO_ELEMENT	"To element"
public static final java.lang.String	VIA_PORT	"Via port"

com.telelogic.rhapsody.core. IRPTableLayout.Column.RequirementAttribute		
public static final java.lang.String	ID	"ID"
public static final java.lang.String	LINK_FROM	"Link From"
public static final java.lang.String	LINK_FROM_FULLNAME	"Link From FullName"
public static final java.lang.String	LINK_SUSPECT	"Link Suspect"
public static final java.lang.String	LINK_TYPE	"Link Type"
public static final java.lang.String	SPECIFICATION	"Specification"

com.telelogic.rhapsody.core. IRPTableLayout.Column.UserDefinedMethod		
public static final java.lang.String	Implementation	"Implementation..."

com.telelogic.rhapsody.core. IRPTableLayout.QueryOrElementsList		
public static final int	ELEMENTS_LIST	0
public static final int	QUERY	1

com.telelogic.rhapsody.core. IRPTableView.ContentFormat		
public static final java.lang.String	CSV	"CSV"
public static final java.lang.String	HTML	"HTML"
public static final java.lang.String	XML	"XML"

com.telelogic.rhapsody.core. SearchFindAsEnum		
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com.telelogic.rhapsody.core.SearchFindAsEnum		
public static final char	RP_SEARCH_EMPTY_ONLY	3
public static final char	RP_SEARCH_EXACT	0
public static final char	RP_SEARCH_REGEX	2
public static final char	RP_SEARCH_WILDCARD	1

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Hierarchy For Package com.telelogic.rhapsody.core

Class Hierarchy

- java.lang.Object
 - ◆ java.lang.ClassLoader
 - ◇ java.security.SecureClassLoader
 - java.net.URLClassLoader
 - com.telelogic.rhapsody.core.[RhpClassLoader](#)
 - ◆ com.telelogic.rhapsody.core.[HYPNameType](#)
 - ◆ com.telelogic.rhapsody.core.[IRPApplication.AddToModel_Mode](#)
 - ◆ com.telelogic.rhapsody.core.[IRPGraphElement.ImageLayout](#)
 - ◆ com.telelogic.rhapsody.core.[IRPMatrixLayout.QueryOrElementsList](#)
 - ◆ com.telelogic.rhapsody.core.[IRPMatrixView.ContentFormat](#)
 - ◆ com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink](#)
 - ◆ com.telelogic.rhapsody.core.[IRPModelElement.OSLCLink.Types](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.References](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.References.QuantityOperator](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.References.RelationKind](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.SearchInField](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.SubQueriesOperator](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.UnresolvedKind](#)
 - ◆ com.telelogic.rhapsody.core.[IRPSearchQuery.ViewsToSearch](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.AnnotationAttribute](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.DependsOn](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.FlowAttribute](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.GeneralAttribute](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.ImplementationCellType](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeFrom](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.RelationAttributeTo](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.RequirementAttribute](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.Column.UserDefinedMethod](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableLayout.QueryOrElementsList](#)
 - ◆ com.telelogic.rhapsody.core.[IRPTableView.ContentFormat](#)
 - ◆ com.telelogic.rhapsody.core.[RhapsodyAppServer](#)
 - ◆ com.telelogic.rhapsody.core.[RhpUtils](#)
 - ◆ com.telelogic.rhapsody.core.[RPApplicationListener](#)
 - ◆ com.telelogic.rhapsody.core.[RPCCodeGeneratorListener](#)
 - ◆ com.telelogic.rhapsody.core.[RPCCodeGenSimplifier](#)
 - ◆ com.telelogic.rhapsody.core.[RPExtendedRPCClassesFactory](#)
 - ◆ com.telelogic.rhapsody.core.[RPExternalCheck](#)
 - ◆ com.telelogic.rhapsody.core.[RPExternalCodeGenerator](#)
 - ◆ com.telelogic.rhapsody.core.[RPExternalIDEManager](#)

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- ◆ com.telelogic.rhapsody.core.[RPExternalRoundtrip](#)
- ◆ com.telelogic.rhapsody.core.[RPIntegratorListener](#)
- ◆ com.telelogic.rhapsody.core.[RPJavaPluginsManager](#)
- ◆ com.telelogic.rhapsody.core.[RPowPaneMgrEvents](#)
- ◆ com.telelogic.rhapsody.core.[RPRoundTripListener](#)
- ◆ com.telelogic.rhapsody.core.[RPRTCLListener](#)
- ◆ com.telelogic.rhapsody.core.[RPSearchListener](#)
- ◆ com.telelogic.rhapsody.core.[RPUserPlugin](#)
- ◆ com.telelogic.rhapsody.core.[SearchFindAsEnum](#)
- ◆ java.lang.Throwable (implements java.io.Serializable)
 - ◇ java.lang.Exception
 - java.lang.RuntimeException
 - com.telelogic.rhapsody.core.[RhapsodyRuntimeException](#)

Interface Hierarchy

- com.telelogic.rhapsody.core.[IRPApplication](#)
- com.telelogic.rhapsody.core.[IRPASCIIFile](#)
- com.telelogic.rhapsody.core.[IRPAXViewCtrl](#)
- com.telelogic.rhapsody.core.[IRPBaseExternalCodeGeneratorTool](#)
 - ◆ com.telelogic.rhapsody.core.[IRPCodeGenSimplifiersRegistry](#)
 - ◆ com.telelogic.rhapsody.core.[IRPExternalCodeGeneratorInvoker](#)
- com.telelogic.rhapsody.core.[IRPCodeGenerator](#)
- com.telelogic.rhapsody.core.[IRPCollection](#)
- com.telelogic.rhapsody.core.[IRPDiagSynthAPI](#)
- com.telelogic.rhapsody.core.[IRPExternalCheckRegistry](#)
- com.telelogic.rhapsody.core.[IRPExternalIDERegistry](#)
- com.telelogic.rhapsody.core.[IRPExternalRoundtripInvoker](#)
- com.telelogic.rhapsody.core.[IRPGraphElement](#)
 - ◆ com.telelogic.rhapsody.core.[IRPGraphEdge](#)
 - ◆ com.telelogic.rhapsody.core.[IRPGraphNode](#)
- com.telelogic.rhapsody.core.[IRPGraphicalProperty](#)
- com.telelogic.rhapsody.core.[IRPImageMap](#)
- com.telelogic.rhapsody.core.[IRPIntegrator](#)
- com.telelogic.rhapsody.core.[IRPInternalOEMPlugin](#)
- com.telelogic.rhapsody.core.[IRPJavaPlugins](#)
- com.telelogic.rhapsody.core.[IRPModelElement](#)
 - ◆ com.telelogic.rhapsody.core.[IRPAction](#)
 - ◇ com.telelogic.rhapsody.core.[IRPSendAction](#)
 - ◆ com.telelogic.rhapsody.core.[IRPAssociationRole](#)
 - ◆ com.telelogic.rhapsody.core.[IRPClassifierRole](#)
 - ◆ com.telelogic.rhapsody.core.[IRPCollaboration](#)
 - ◇ com.telelogic.rhapsody.core.[IRPInteractionOperand](#)
 - ◆ com.telelogic.rhapsody.core.[IRPComponentInstance](#)
 - ◆ com.telelogic.rhapsody.core.[IRPConfiguration](#)
 - ◆ com.telelogic.rhapsody.core.[IRPDependency](#)
 - ◇ com.telelogic.rhapsody.core.[IRPHyperLink](#)
 - ◆ com.telelogic.rhapsody.core.[IRPEnumerationLiteral](#)
 - ◆ com.telelogic.rhapsody.core.[IRPExecutionOccurrence](#)
 - ◆ com.telelogic.rhapsody.core.[IRPFileFragment](#)

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- ◆ com.telelogic.rhapsody.core.[IRPFlow](#)
- ◆ com.telelogic.rhapsody.core.[IRPGeneralization](#)
- ◆ com.telelogic.rhapsody.core.[IRPGuard](#)
- ◆ com.telelogic.rhapsody.core.[IRPInstanceSlot](#)
- ◆ com.telelogic.rhapsody.core.[IRPInstanceSpecification](#)
- ◆ com.telelogic.rhapsody.core.[IRPInteractionOccurrence](#)
- ◆ com.telelogic.rhapsody.core.[IRPInteractionOperator](#)
- ◆ com.telelogic.rhapsody.core.[IRPMessage](#)
 - ◇ com.telelogic.rhapsody.core.[IRPActionBlock](#)
 - ◇ com.telelogic.rhapsody.core.[IRPConditionMark](#)
 - ◇ com.telelogic.rhapsody.core.[IRPDestructionEvent](#)
- ◆ com.telelogic.rhapsody.core.[IRPMessagePoint](#)
- ◆ com.telelogic.rhapsody.core.[IRPStateVertex](#)
 - ◇ com.telelogic.rhapsody.core.[IRPConnector](#)
 - com.telelogic.rhapsody.core.[IRPPin](#)
 - ◇ com.telelogic.rhapsody.core.[IRPState](#)
 - com.telelogic.rhapsody.core.[IRPAcceptEventAction](#)
 - com.telelogic.rhapsody.core.[IRPAcceptTimeEvent](#)
 - com.telelogic.rhapsody.core.[IRPCallOperation](#)
 - com.telelogic.rhapsody.core.[IRPObjectNode](#)
- ◆ com.telelogic.rhapsody.core.[IRPSwimlane](#)
- ◆ com.telelogic.rhapsody.core.[IRPTemplateInstantiation](#)
- ◆ com.telelogic.rhapsody.core.[IRPTemplateInstantiationParameter](#)
- ◆ com.telelogic.rhapsody.core.[IRPTransition](#)
- ◆ com.telelogic.rhapsody.core.[IRPTrigger](#)
- ◆ com.telelogic.rhapsody.core.[IRPUnit](#)
 - ◇ com.telelogic.rhapsody.core.[IRPAnnotation](#)
 - com.telelogic.rhapsody.core.[IRPComment](#)
 - com.telelogic.rhapsody.core.[IRPConstraint](#)
 - com.telelogic.rhapsody.core.[IRPRequirement](#)
 - ◇ com.telelogic.rhapsody.core.[IRPClassifier](#)
 - com.telelogic.rhapsody.core.[IRPActor](#)
 - com.telelogic.rhapsody.core.[IRPClass](#)
 - com.telelogic.rhapsody.core.[IRPAssociationClass](#)
 - com.telelogic.rhapsody.core.[IRPStatechart](#)
 - ◆ com.telelogic.rhapsody.core.[IRPFlowchart](#)
 - com.telelogic.rhapsody.core.[IRPFlowItem](#)
 - com.telelogic.rhapsody.core.[IRPInterfaceItem](#)
 - com.telelogic.rhapsody.core.[IRPEvent](#)
 - com.telelogic.rhapsody.core.[IRPEventReception](#)
 - com.telelogic.rhapsody.core.[IRPOperation](#)
 - com.telelogic.rhapsody.core.[IRPNode](#)
 - com.telelogic.rhapsody.core.[IRPStereotype](#)
 - com.telelogic.rhapsody.core.[IRPType](#)
 - com.telelogic.rhapsody.core.[IRPUseCase](#)
 - ◇ com.telelogic.rhapsody.core.[IRPComponent](#)
 - ◇ com.telelogic.rhapsody.core.[IRPControlledFile](#)
 - ◇ com.telelogic.rhapsody.core.[IRPDiagram](#)
 - com.telelogic.rhapsody.core.[IRPCollaborationDiagram](#)
 - com.telelogic.rhapsody.core.[IRPComponentDiagram](#)
 - com.telelogic.rhapsody.core.[IRPDeploymentDiagram](#)

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- com.telelogic.rhapsody.core.[IRPPanelDiagram](#)
- com.telelogic.rhapsody.core.[IRPSequenceDiagram](#)
 - com.telelogic.rhapsody.core.[IRPTimingDiagram](#)
- com.telelogic.rhapsody.core.[IRPStatechartDiagram](#)
 - com.telelogic.rhapsody.core.[IRPActivityDiagram](#)
- com.telelogic.rhapsody.core.[IRPStructureDiagram](#)
- com.telelogic.rhapsody.core.[IRPUseCaseDiagram](#)
- ◇ com.telelogic.rhapsody.core.[IRPFile](#)
- ◇ com.telelogic.rhapsody.core.[IRPLink](#)
- ◇ com.telelogic.rhapsody.core.[IRPMatrixLayout](#)
- ◇ com.telelogic.rhapsody.core.[IRPMatrixView](#)
- ◇ com.telelogic.rhapsody.core.[IRPPackage](#)
 - com.telelogic.rhapsody.core.[IRPPProfile](#)
 - com.telelogic.rhapsody.core.[IRPPProject](#)
- ◇ com.telelogic.rhapsody.core.[IRPRelation](#)
 - com.telelogic.rhapsody.core.[IRPInstance](#)
 - com.telelogic.rhapsody.core.[IRPModule](#)
 - com.telelogic.rhapsody.core.[IRPPort](#)
 - com.telelogic.rhapsody.core.[IRPSysMLPort](#)
- ◇ com.telelogic.rhapsody.core.[IRPTableLayout](#)
- ◇ com.telelogic.rhapsody.core.[IRPTableView](#)
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 - com.telelogic.rhapsody.core.[IRPArgument](#)
 - com.telelogic.rhapsody.core.[IRPAttribute](#)
 - com.telelogic.rhapsody.core.[IRPTag](#)
 - com.telelogic.rhapsody.core.[IRPTemplateParameter](#)
- ◆ com.telelogic.rhapsody.core.[IRPValueSpecification](#)
 - ◇ com.telelogic.rhapsody.core.[IRPContextSpecification](#)
 - ◇ com.telelogic.rhapsody.core.[IRPInstanceValue](#)
 - ◇ com.telelogic.rhapsody.core.[IRPLiteralSpecification](#)
- com.telelogic.rhapsody.core.[IRPowListListener](#)
- com.telelogic.rhapsody.core.[IRPowPaneMgr](#)
- com.telelogic.rhapsody.core.[IRPowTextListener](#)
- com.telelogic.rhapsody.core.[IRPPlugInWindow](#)
- com.telelogic.rhapsody.core.[IRPProgressBar](#)
- com.telelogic.rhapsody.core.[IRPRhapsodyServer](#)
- com.telelogic.rhapsody.core.[IRPRoundTrip](#)
- com.telelogic.rhapsody.core.[IRPSearchManager](#)
- com.telelogic.rhapsody.core.[IRPSearchQuery](#)
- com.telelogic.rhapsody.core.[IRPSearchResult](#)
- com.telelogic.rhapsody.core.[IRPSelection](#)

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Serialized Form

Package com.telelogic.rhapsody.core

**Class [com.telelogic.rhapsody.core.RhapsodyRuntimeException](#)
extends [java.lang.RuntimeException](#) implements [Serializable](#)**

serialVersionUID: 7803061196391805387L

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