



# IBM Rational Rhapsody V8.0 and Rational Rhapsody Design Manager V4.0 introduce new systems engineering design workflow and ISO 26262 safety standard support

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## At a glance

Rhapsody® and Rhapsody Design Manager offer:

- Simplified design collaboration with new systems engineering workflow using Jazz-based database repository
- Reference workflow with TuV certification
- Enhanced user experience and productivity with solution-focused guidance to assist new users
- Updates for UPDM 2.0, SysML 1.3, and AUTOSAR 4.0 and 3.2
- Improvements to usability and performance

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## Overview

Rational® Rhapsody supports a broad range of technologies and can be applied to applications such as:

- Requirements analysis
- Model-based systems engineering
- Trade study analysis
- Embedded and real-time software development
- Safety-critical software development
- Model-based testing
- AUTomotive Open System ARchitecture (AUTOSAR) development
- Capturing DoDAF or MODAF architectural frameworks

Rational Rhapsody V8.0 offers the new Guide Me feature that can assist users to configure and use Rhapsody for a particular application. Guidance is provided in the form of tutorials, videos, and documentation that helps users perform the tasks required.

Systems engineers strive to improve their processes to develop, communicate, and specify overall systems design. They often make tradeoffs between different systems aspects while still ensuring consistency across domains and disciplines. Rational Rhapsody Design Manager assists cross-discipline teams in sharing, collaborating, and reviewing engineering information in an efficient, intuitive manner. Rhapsody Design Manager takes a further step in integrating with the Jazz™ platform by enabling systems engineers to work with version, variant, configuration, and change management. They can work directly on a Rhapsody model stored in a Jazz-based repository. This enables finer-grain access and change control that gives systems engineers a more flexible workflow for parallel development tightly coupled with lifecycle artifacts for better response to changes.

A common location on a Jazz repository for storage of the Rational Rhapsody design artifacts with other lifecycle artifacts, such as requirements and work items, enables a tighter workflow with the broader systems and software engineering lifecycle. Because they are stored in a common location, requirements can be traced and referenced with the design information without duplications since they are stored in a shared, server-side, repository.

A single source of truth is enabled between requirements from requirements management databases, Rational DOORS®, Rational Requirements Composer, and the Rhapsody model. Using Open Services for Lifecycle Collaboration (OSLC) links, you can establish and analyze traceability between the requirements and the design to help ensure delivery of high-quality designs that meet project objectives.

The new Rational Rhapsody Contributor role offers access to change management, report customization, and planning, design management, software configuration management, automation (build system), requirements management, and test management.

Safety-critical complex systems such as avionics, automobiles, trains, and medical devices are becoming more and more software intensive. Companies developing these systems need to work within the guidelines of industry standards to market their products and certify their applications to comply with the standard. Rational Rhapsody V8.0 includes a Rational Rhapsody Kit for ISO 26262 and IEC 61508 that provides a documented reference workflow, test cases and other artifacts including a TuV SuD certificate for ISO 26262 and IEC 61508 for using Rational Rhapsody TestConductor Add On to assist you in trying to meet the automotive or general functional safety standards. The contents can also be used for other industries such as DO-178B or DO-178C for avionics, IEC 62304 for medical devices, or other safety standards.

Rhapsody is a highly flexible and customizable solution that can be tailored to help automate delivery of designs compliant with many industry standards. Rational Rhapsody includes updates for SysML 1.3, OMG Unified Profile for DoDAF and MODAF (UPDM) 2.0, and AUTOSAR 3.2 and 4.0 for systems engineering and automotive engineers to develop solutions using the latest standards.

Rational Rhapsody and Rational Rhapsody Design Manager add a number of improvements to usability and performance, including:

- Spell checking
- Statistical model query for model metrics
- Code generation using multiple processor cores
- Improved design review workflow with change management
- Cross-project searching
- Sketching using a web client

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## Key prerequisites

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For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

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## Planned availability date

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September 21, 2012: Electronic availability

September 28, 2012: Media availability

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## Description

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### **Enhanced user experience and productivity with solution-focused guidance**

You can use Rational Rhapsody in a broad spectrum of systems engineering and software development applications for many different industries and domains.

The new Guide Me capability helps new users get started by offering guidance in performing a series of tasks based around a solution. The guidance steps users through configuring and applying the product with text, tutorials, and videos to help reduce the learning curve and make new users productive, faster.

### **Collaborative systems engineering through Rational Rhapsody Design Manager**

Through its design management capability, Rational Rhapsody makes it easy for teams to manage their designs, collaborate with peers and stakeholders, and integrate systems engineering and software design into their engineering development lifecycle. Rational Rhapsody Design Manager V4.0 can help improve systems and embedded and real-time software engineering lifecycle integration, analysis, web-based sketching, extensibility, reporting, and documentation generation.

### **Design configuration and change management**

The Design Management server enables designs to be directly modified on the server and includes model-based configuration management to manage changes to the designs. You can directly edit Rational Rhapsody models on the server from within the Rhapsody desktop client, delivering a simplified configuration management solution for systems engineers.

Benefits include:

- Improve quality by collaborating on designs with peers and other stakeholders using a web client.
- Work in parallel directly on a design stored on a server with built-in configuration management support that includes simplified change control.
- Establish traceability between designs, requirements, change requests, test cases, and test plans, making it easy for stakeholders to quickly find related designs and perform coverage and impact analysis.
- Quickly search designs to learn from previous designs and find reusable design components.
- Reduce the time required to meet regulatory and contractual requirements by automating the generation of design documents based on templates.
- Support serial and parallel configuration management.
- Include change control operations, such as locking and unlocking, that are aware of the design structure as opposed to file-based operations.
- Support change sets that enable multiple design changes to be grouped together and managed as a logical unit.
- Enable viewing change history for a design resource.
- Support graphical compare and merge.
- Make file-based mode available for users working with configuration management systems.

## **Simplified requirements engineering workflow**

Using a new workflow with Rational DOORS and Rational Requirements Composer based on OSLC integration, system engineers can analyze and trace to requirements using a simplified workflow that avoids duplication with a shared, server side repository. The new workflow is enabled through management of the design on Jazz using Rational Design Manager.

Rhapsody Design Manager adds bidirectional traceability between requirements and designs with Open Services for Lifecycle Collaboration (OSLC) linking. Links can be created from a requirement to design resource or from a design resource to a requirement and be visible on both sides.

- Simplified user experience: Bidirectional OSLC linking enables traceability scenarios for requirements engineers and engineers who perform modeling with Rational DOORS V9.4 and Rational Requirements Composer V4.0.
- Single source of truth: Linked lifecycle data is always up to date; no data refreshing is needed.

The OSLC links are visible in the new Rhapsody Design Manager Impact Analysis views to assist teams in performing coverage and impact analysis.

## **Systems and software engineering lifecycle integration**

This release further integrates Rational Rhapsody through Rational Rhapsody Design Manager into the Jazz platform, making it easier to manage and administer the combined solution.

- Rational Rhapsody Contributor V4.0 gives you full read and write access to change management, report customization, and planning. The Contributor license also includes read access to design management, software configuration management, automation (build system), requirements management, and test management unless otherwise restricted by role-based process permissions.
- Sharing a Jazz team server reduces administration time and costs with common user administration and management across Rational Rhapsody Design Manager, Rational Team Concert™, Rational Requirements Composer, and Rational Quality Manager servers.
- Cross-role licensing enables users with a Jazz license (developer, analyst, quality professional, and contributor) to collaborate on designs with viewing, searching, commenting, markup, and document generation capabilities. The Design Manager role-based license adds the capabilities of contributor in addition to full read and write access to the Design Management server.
- Inclusion of design project areas in lifecycle projects making it easier for teams to get up and running.
- The ability to change the public URL of a server (server rename) facilitates server infrastructure changes.

## **Impact analysis**

Rational Rhapsody Design Manager adds new analysis capabilities to help teams understand the impacts of a design change and find existing design components. Teams can:

- View impact analysis diagram created from a selected model element that shows all the related design elements and linked OSLC resources.
- Interact with the generated analysis to add or remove elements.
- Create and store queries to search across multiple project areas.

## **Web-based sketching**

Sketching gives you a quick way to capture and collaborate on design ideas. You can now create sketching diagrams as part of a design management project area and edit the sketch from a stand-alone web client or within Rational Rhapsody using the embedded web client. These sketches benefit from all the other design

management capabilities such as configuration management, OSLC linking, and document generation.

### **Reporting and document generation**

Rational Rhapsody Design Manager offers a range of options for creating and managing design documents, including:

- Keeping living design documents that can be added to a design management project area and edited through the Web client using rich text. Design documents can contain embedded links to other design resources that are rendered visually as part of the document.
- Generating documents on the design management server using the new Rational Reporting for Document Generation support. You can generate documents from out-of-the-box templates shipped with Design Manager or from custom templates authored using Rational Publishing Engine Document Studio (purchased separately).
- Generating documents with Rational Publishing engine and accessing designs, comments, and OSLC-linked data from the Design Management server.

### **Extensibility of design management**

A new domain toolkit enables you to create custom design domains in Rational Rhapsody Design Manager server.

- Define new domains through an ontology editor.
- Perform model validation by specifying live and batch model constraints and data validation rules using the SPARQL Protocol and RDF Query Language.
- Create and edit model instances using forms generated from the domain ontology.

### **Support for safety standard development, ISO 26262, IEC 61508, DO-178B, and DO-178C**

Companies developing products whose failure may result in injury or loss of life such as aircraft, automobiles, or medical devices need to follow strict development processes such as ISO 26262 for automobiles, DO-178B or DO-178C for commercial avionics or IEC 61508 the general functional safety standard. It is each company's responsibility to produce evidence that good manufacturing processes are being followed, such as traceability from requirements to implementation, that sufficient testing is performed, and additionally that the tools used do not introduce an error into the product. These additional steps help ensure safety but also add additional time and cost into the development lifecycle. Industry analyst reports have shown the significant benefits of a model-driven development approach and the provisions for modeling added to the release of DO-178C further emphasize modeling's importance in development.

Developers can use Rational Rhapsody to understand and navigate industry safety standards. It includes artifacts that companies can use to help with certification and qualification efforts.

### **Kit for ISO 26262 and IEC 61508**

The Rational Rhapsody Kit for ISO 26262 and IEC 61508 is included as part of the standard Rational Rhapsody documentation set. It includes sample workflows for using Rational Rhapsody and back-to-back testing with Rational Rhapsody TestConductor Add On. A TuV SuD certificate is included indicating that Rational Rhapsody TestConductor Add On can be applied in safety-related development for all SIL levels according to IEC 61508 and all ASIL levels according to ISO 26262. Optionally available is Rational Rhapsody TestConductor Add On Validation Suite, which includes test cases to help users qualify Rational Rhapsody TestConductor Add On within their development environment.

## **Requirements and tests for execution frameworks**

Rational Rhapsody Developer for C and Rational Rhapsody Developer for C++ offer execution frameworks that enable common execution functions and services such as scheduling, messaging, and event processing. These enable developers to focus on their domain applications. Rational Rhapsody includes documentation and requirements for the source code in the Simplified Micro-C eXecution Framework (SMXF) for C and the Simplified eXecution Framework (SXF) for C++. The documentation and requirements can help you use the framework in applications that require certification. Validation test suites for the SMXF and SXF using Rational Rhapsody TestConductor Add On include statement coverage to help validate the framework within your development environment.

## **Usability and performance**

Many incremental improvements to the navigation, performance, and operation help make Rational Rhapsody easier to use and help improve performance. The following sections describe some of these improvements.

## **Statistical queries for metrics**

" To mitigate project risk, it is important to understand the architecture and design of your project based on its progress, quality, or complexity. You can view model metrics such as counts of model elements based on queries and context to gain understanding of status of your current project and its progress.

## **Spell checking**

Models consist not only of graphical diagrams but also text to further explain the design. Spell checking is now available to help avoid spelling mistakes.

## **Code generation using multiple cores**

You can now use multiple cores of the computer when generating applications consisting of multiple components to help performance of code generation.

## **Update to SysML 1.3**

Rational Rhapsody includes updates for systems engineers to make it easier to analyze, validate, and specify systems using the latest standards. It updates support to SysML 1.3 including the ability to model full ports, proxy ports, interface blocks, directed features, nested ports, connector decomposition, and property value change events to allow for more modeling options.

## **Improved Simulink integration**

Rational Rhapsody improves its integration with Simulink by enabling you to create a Simulink model from a block in the Rational Rhapsody model. This can help Simulink developers get started with their model based on the current architecture specified in the Rational Rhapsody design. Additionally, usability improvements in the integration are added to allow for multiple simulations without re-exporting, defining signals, and other performance improvements.

## **Partial model simulation**

During analysis and design, especially in early phases of development, only parts of the design are complete. Simulating early and often can identify errors when they are least costly to fix. With Rational Rhapsody only a simple mouse click is needed to configure a simulation for activity diagrams, state charts, or classes with internal parts to make it easier to validate them when other parts of the design may not be ready.

## Rapid automotive development and integration support with AUTOSAR 3.2 and 4.0

Automotive engineers who are developing solutions for AUTOSAR can now use versions 3.2 and 4.0 with Rational Rhapsody for behavioral modeling and code generation to specify their system. Additionally, support for testing of the AUTOSAR software components is included with Rational Rhapsody TestConductor Add On, enabling automation of manual testing tasks, visualization of test cases using the UML Testing Profile, and execution of test cases with validation results to help deliver higher-quality AUTOSAR designs in less time.

## Updated DoDAF 2.0 and MODAF 1.2 architecture support with UPDM 2

The US Department of Defense (DoD) has mandated the use of UPDM 2 all DoDAF projects using UML/SysML tools. Rational Rhapsody updates its support to UPDM 2 to enable capture of DoDAF 2.0.2, MODAF 1.2.004, and NAF 3.1 using UPDM. Export of the architectural data via XMI is also supported, enabling interchange with other modeling tools. Support for the legacy DoDAF 1.x and MODAF 1.x profiles is no longer provided.

Multicultural support and translation information for IBM software can be found online at

<http://www.ibm.com/software/globalization/scorecard/index.html>

## Section 508 of the US Rehabilitation Act

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Rational Rhapsody is capable as of September 28, 2012, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following website

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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## Availability of national languages

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Product description	Language	General availability date
Ratl Rhapsody Arch for SW v8.0.0	Multilingual (Korean, Chinese - Simplified, Japanese, Chinese - Traditional, English)	September 28, 2012
Ratl Rhapsody Design Manager v4.0.0	Multilingual (Korean, Chinese - Simplified, Japanese, Chinese - Traditional, English)	September 28, 2012

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## Program number

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Program number	VRM	Program name
5724-x70	8.0.0	IBM Rational Rhapsody
5725-D80	4.0.0	IBM Rational Rhapsody Design Manager

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## Offering Information

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Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® website

<http://www.ibm.com/software/passportadvantage>

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## Publications

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No publications are shipped with these products.

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

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## Technical information

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### Specified operating environment

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#### **Hardware requirements**

- Disk space: 1.6 GB (one language); 2.3 GB full installation; Installation temporary disk space: 1 GB
- Memory: RAM: 512 MB (minimum); 1024 MB RAM (recommended)
- Processor: CPU: Pentium™ 4, 3.00 GHz (minimum)

#### **Software requirements**

Linux™

- Red Hat Enterprise Linux (RHEL) 5 Desktop editions x86-64
- RHEL 5 Advanced Platform x86-64
- RHEL Desktop 6 x86-32
- RHEL 5 Desktop editions x86-32
- RHEL Desktop 6 x86-64
- RHEL 5 Advanced Platform x86-32
- RHEL Server 6 x86-32
- RHEL Server 6 x86-64
- SUSE Linux Enterprise Desktop (SLED) 11.0 x86-32
- SLED 10.0 x86-64
- SLED 11.0 x86-64
- SLED 10.0 x86-32
- SUSE Linux Enterprise Server (SLES) 10 x86-32
- SLES 10 x86-64
- SLES 11 x86-32



- SLES 11 x86-64

#### Microsoft™ Windows™

- Windows Vista Home Basic x86-32
- Windows Vista Enterprise x86-32
- Windows Vista Home Premium x86-32
- Windows 7 Starter x86-32
- Windows XP Home x86-32
- Windows 7 Ultimate x86-32
- Windows Server 2008 Enterprise Edition x86-32
- Windows Vista Business x86-32
- Windows XP Professional x86-32
- Windows 7 Professional x86-32
- Windows XP Professional with FDCC x86-32
- Windows 7 Enterprise x86-64
- Windows 7 Enterprise x86-32
- Windows 7 Home Premium x86-32
- Windows Vista Ultimate x86-32
- Windows Server 2008 R2 Datacenter Edition x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Server 2008 Standard Edition x86-64
- Windows Server 2008 Enterprise Edition x86-64
- Windows Server 2008 Datacenter Edition x86-64
- Windows Server 2008 Standard Edition x86-32
- Windows Server 2008 Datacenter Edition x86-32
- Windows 7 Professional x86-64
- Windows Server 2008 R2 Standard Edition x86-64
- Windows 7 Home Premium x86-64
- Windows 7 Ultimate x86-64

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

### **Planning information**

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Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and technical support are provided by the Software Subscription and Support (also referred to as Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

## Security, auditability, and control

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The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Ordering information

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This product is only available via Passport Advantage . It is not available as shrinkwrap.

### Product information

Licensed function title	Product group	Product category
IBM Rational Modeler Rhapsody Corporate Edition	Design and Construction	Design and Construction
IBM Rational Rhapsody Architect for Software	Design and Construction	Design and Construction
IBM Rational Rhapsody Architect for Systems Engineers	Design and Construction	Design and Construction
IBM Rational Rhapsody Automatic Test Generation Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Contributor	Design and Construction	Design and Construction
IBM Rational Rhapsody Design Manager	Design and Construction	Design and Construction
IBM Rational Rhapsody Design Reviewer	Design and Construction	Design and Construction
IBM Rational Rhapsody Designer for Systems Engineers	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer Rules Composer Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer Rules Player Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer for Ada	Design and Construction	Design and Construction
IBM Rational Rhapsody Developer for C++, C, and Java™	Design and Construction	Design and Construction
IBM Rational Rhapsody Gateway Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Interfaces Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody TestConductor Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody Tools and Utilities Add On	Design and Construction	Design and Construction
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	Design and Construction	Design and Construction
Program name	PID number	Charge unit description
IBM Rational Modeler Rhapsody Corporate Edition	5724-X70	FTL per Authorized User
IBM Rational Rhapsody Architect for Software	5724-X70	Per Floating User
IBM Rational Rhapsody Architect for Software	5724-X70	Per Authorized User
IBM Rational Rhapsody Architect for Systems Engineers	5724-X70	Per Floating User
IBM Rational Rhapsody Architect for Systems Engineers	5724-X70	Per Authorized User
IBM Rational Rhapsody Automatic Test Generation Add On	5724-X70	Per Authorized User

IBM Rational Rhapsody Automatic Test Generation Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Contributor	5725-D80	Per Authorized User Single Install
IBM Rational Rhapsody Contributor	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Design Manager	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Design Manager	5725-D80	Per Authorized User Single Install
IBM Rational Rhapsody Design Reviewer	5725-D80	Per Authorized User Single Install
IBM Rational Rhapsody Design Reviewer	5725-D80	Per Floating User Single Install
IBM Rational Rhapsody Designer for Systems Engineers	5724-X70	Per Floating User
IBM Rational Rhapsody Designer for Systems Engineers	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer	5724-X70	Per Floating User
IBM Rational Rhapsody Developer	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Composer Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Composer Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Developer Rules Player Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer Rules Player Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Developer for Ada	5724-X70	Per Floating User
IBM Rational Rhapsody Developer for Ada	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer for C++, C, and Java	5724-X70	Per Authorized User
IBM Rational Rhapsody Developer for C++, C, and Java	5724-X70	Per Floating User
IBM Rational Rhapsody Gateway Add On	5724-X70	Per Floating User
IBM Rational Rhapsody Gateway Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Interfaces Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Interfaces Add On	5724-X70	Per Floating User
IBM Rational Rhapsody TestConductor Add On	5724-X70	Per Floating User
IBM Rational Rhapsody TestConductor Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Tools and Utilities Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody Tools and Utilities Add On	5724-X70	Per Floating User
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	5724-X70	Per Authorized User
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On	5724-X70	Per Floating User

## Charge metrics definitions

### Authorized User

Authorized User is a unit of measure by which the program can be licensed. An Authorized User is a unique person who is given access to the program. The program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the

program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User accessing the program in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

**Note:** Some programs may be licensed where devices are considered users. In that case, the following applies. Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the program or that is otherwise managed by the program is considered a separate user of the program and requires an entitlement as if that device were a person.

### Floating User Single Install

Floating User Single Install is a unit of measure by which the program can be licensed. A Floating User is a person who is accessing the program at any particular point in time. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. The program may be installed on any number of computers or servers, but if the Floating User simultaneously accesses more than one Install of the program, the Floating User requires a separate entitlement for each such install. Licensee must obtain separate entitlements for each Floating User simultaneously accessing the program on each install in any manner directly or indirectly (for example: via a multiplexing program, device, or application server) through any means.

**Note:** Some programs may be licensed where devices are considered users. In that case the following applies: Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the program or that is otherwise managed by the program is considered a separate user of the program and requires an entitlement as if that device were a person.

### Passport Advantage program licenses

#### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Architect for Software	
Ratl Rhapsody Architect for Software Auth User Annual SW S&S Rnw1	E0773LL
Ratl Rhapsody Architect for Software Auth User Initl FT Lic+S&S 12 Mo	D09B4LL
Ratl Rhapsody Architect for Software Auth User Lic + SW S&S 12 Mo	D09MULL
Ratl Rhapsody Architect for Software Auth User SW S&S Reinstate 12 Mo	D09G5LL
Ratl Rhapsody Architect for Software Auth User SubSq FT Lic+S&S 12 Mo	E0722LL
Ratl Rhapsody Architect for Software Floating User Annual SW S&S Rnw1	E076WLL
Ratl Rhapsody Architect for Software Floating User Initl FT Lic+S&S 12 Mo	D09B6LL
Ratl Rhapsody Architect for Software Floating User Lic + SW S&S 12 Mo	D09MMLL
Ratl Rhapsody Architect for Software Floating User SW S&S Reinstate 12 Mo	D09FYLL
Ratl Rhapsody Architect for Software Floating User SubSq FT Lic+S&S 12 Mo	E0724LL

#### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Automatic Test Generation Add On	
Ratl Rhapsody Auto Test Gen AO Auth User Annual SW S&S	E0789LL

Rnw1	
Rat1 Rhapsody Auto Test Gen AO Auth User Init1 FT Lic+S&S 12 Mo	D09ARLL
Rat1 Rhapsody Auto Test Gen AO Auth User Lic + SW S&S 12 Mo	D09P0LL
Rat1 Rhapsody Auto Test Gen AO Auth User SW S&S Reinstate 12 Mo	D09HBLL
Rat1 Rhapsody Auto Test Gen AO Auth User SubSq FT Lic+S&S 12 Mo	E071PLL
Rat1 Rhapsody Auto Test Gen AO Floating User Annual SW S&S Rnw1	E0780LL
Rat1 Rhapsody Auto Test Gen AO Floating User Init1 FT Lic+S&S 12 Mo	D09AQLL
Rat1 Rhapsody Auto Test Gen AO Floating User Lic + SW S&S 12 Mo	D09NRLL
Rat1 Rhapsody Auto Test Gen AO Floating User SW S&S Reinstate 12 Mo	D09H2LL
Rat1 Rhapsody Auto Test Gen AO Floating User SubSq FT Lic+S&S 12 Mo	E071NLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer Rules Composer Add On Rat1 Rhapsody Dev Rule Cmp AO Auth User Annual SW S&S Rnw1	E078ALL
Rat1 Rhapsody Dev Rule Cmp AO Auth User Init1 FT Lic+S&S 12 Mo	D09B2LL
Rat1 Rhapsody Dev Rule Cmp AO Auth User Lic + SW S&S 12 Mo	D09P1LL
Rat1 Rhapsody Dev Rule Cmp AO Auth User SW S&S Reinstate 12 Mo	D09HCLL
Rat1 Rhapsody Dev Rule Cmp AO Auth User SubSq FT Lic+S&S 12 Mo	E0720LL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Annual SW S&S Rnw1	E077SLL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Init1 FT Lic+S&S 12 Mo	D09B0LL
Rat1 Rhapsody Dev Rule Cmp AO Floating User Lic + SW S&S 12 Mo	D09NILL
Rat1 Rhapsody Dev Rule Cmp AO Floating User SW S&S Reinstate 12 Mo	D09GULL
Rat1 Rhapsody Dev Rule Cmp AO Floating User SubSq FT Lic+S&S 12 Mo	E071YLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On Rat1 Rhapsody D, M, U AO Auth User Annual SW S&S Rnw1	E077QLL
Rat1 Rhapsody D, M, U AO Auth User Init1 FT Lic+S&S 12 Mo	D09AVLL
Rat1 Rhapsody D, M, U AO Auth User Lic + SW S&S 12 Mo	D09NGLL
Rat1 Rhapsody D, M, U AO Auth User SW S&S Reinstate 12 Mo	D09GSLL
Rat1 Rhapsody D, M, U AO Auth User SubSq FT Lic+S&S 12 Mo	E071TLL
Rat1 Rhapsody D, M, U AO Floating User Annual SW S&S Rnw1	E0782LL
Rat1 Rhapsody D, M, U AO Floating User Init1 FT Lic+S&S 12 Mo	D09ATLL
Rat1 Rhapsody D, M, U AO Floating User Lic + SW S&S 12 Mo	D09NTLL
Rat1 Rhapsody D, M, U AO Floating User SW S&S Reinstate 12 Mo	D09H4LL
Rat1 Rhapsody D, M, U AO Floating User SubSq FT Lic+S&S 12 Mo	E071RLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Gateway Add On	
Ratl Rhapsody Getway Auth User Annual SW S&S Rnw1	E078GLL
Ratl Rhapsody Getway Auth User Initl FT Lic+S&S 12 Mo	D09AZLL
Ratl Rhapsody Getway Auth User Lic + SW S&S 12 Mo	D09P7LL
Ratl Rhapsody Getway Auth User SW S&S Reinstate 12 Mo	D09HILL
Ratl Rhapsody Getway Auth User SubSq FT Lic+S&S 12 Mo	E071XLL
Ratl Rhapsody Getway Floating User Annual SW S&S Rnw1	E077ULL
Ratl Rhapsody Getway Floating User Initl FT Lic+S&S 12 Mo	D09AXLL
Ratl Rhapsody Getway Floating User Lic + SW S&S 12 Mo	D09NKLL
Ratl Rhapsody Getway Floating User SW S&S Reinstate 12 Mo	D09GWLL
Ratl Rhapsody Getway Floating User SubSq FT Lic+S&S 12 Mo	E071VLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer Rules Player Add On	
Ratl Rhapsody Plyr Rule Cmp AO Auth User Annual SW S&S Rnw1	E076VLL
Ratl Rhapsody Plyr Rule Cmp AO Auth User Initl FT Lic+S&S 12 Mo	D09C3LL
Ratl Rhapsody Plyr Rule Cmp AO Auth User Lic + SW S&S 12 Mo	D09MLLL
Ratl Rhapsody Plyr Rule Cmp AO Auth User SW S&S Reinstate 12 Mo	D09FXLL
Ratl Rhapsody Plyr Rule Cmp AO Auth User SubSq FT Lic+S&S 12 Mo	E0731LL
Ratl Rhapsody Plyr Rule Cmp AO Floating User Annual SW S&S Rnw1	E077MLL
Ratl Rhapsody Plyr Rule Cmp AO Floating User Initl FT Lic+S&S 12 Mo	D09BPLL
Ratl Rhapsody Plyr Rule Cmp AO Floating User Lic + SW S&S 12 Mo	D09NDLL
Ratl Rhapsody Plyr Rule Cmp AO Floating User SW S&S Reinstate 12 Mo	D09GPLL
Ratl Rhapsody Plyr Rule Cmp AO Floating User SubSq FT Lic+S&S 12 Mo	E072MLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer for Ada	
Ratl Rhapsody Dev Ada Auth User Annual SW S&S Rnw1	E078HLL
Ratl Rhapsody Dev Ada Auth User Initl FT Lic+S&S 12 Mo	D09BULL
Ratl Rhapsody Dev Ada Auth User Lic + SW S&S 12 Mo	D09P8LL
Ratl Rhapsody Dev Ada Auth User SW S&S Reinstate 12 Mo	D09HJLL
Ratl Rhapsody Dev Ada Auth User SubSq FT Lic+S&S 12 Mo	E072ULL
Ratl Rhapsody Dev Ada Floating User Annual SW S&S Rnw1	E077GLL
Ratl Rhapsody Dev Ada Floating User Initl FT Lic+S&S 12 Mo	D09BTLL
Ratl Rhapsody Dev Ada Floating User Lic + SW S&S 12 Mo	D09N7LL
Ratl Rhapsody Dev Ada Floating User SW S&S Reinstate 12 Mo	D09GILL
Ratl Rhapsody Dev Ada Floating User SubSq FT Lic+S&S 12 Mo	E072RLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Developer for C++, C, and Java	
Rat1 Rhapsody Dev C++ Java Auth User Annual SW S&S Rnw1	E078LLL
Rat1 Rhapsody Dev C++ Java Auth User Init1 FT Lic+S&S 12 Mo	D09BVLL
Rat1 Rhapsody Dev C++ Java Auth User Lic + SW S&S 12 Mo	D09PCLL
Rat1 Rhapsody Dev C++ Java Auth User SW S&S Reinstate 12 Mo	D09HNLL
Rat1 Rhapsody Dev C++ Java Auth User SubSq FT Lic+S&S 12 Mo	E072TLL
Rat1 Rhapsody Dev C++ Java Floating User Annual SW S&S Rnw1	E079DLL
Rat1 Rhapsody Dev C++ Java Floating User Init1 FT Lic+S&S 12 Mo	D09C0LL
Rat1 Rhapsody Dev C++ Java Floating User Lic + SW S&S 12 Mo	D09Q4LL
Rat1 Rhapsody Dev C++ Java Floating User SW S&S Reinstate 12 Mo	D09IFLL
Rat1 Rhapsody Dev C++ Java Floating User SubSq FT Lic+S&S 12 Mo	E072YLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Interfaces Add On	
Rat1 Rhapsody Interface Auth User Annual SW S&S Rnw1	E073ZLL
Rat1 Rhapsody Interface Auth User Init1 FT Lic+S&S 12 Mo	D09ALLL
Rat1 Rhapsody Interface Auth User Lic + SW S&S 12 Mo	D09JQLL
Rat1 Rhapsody Interface Auth User SW S&S Reinstate 12 Mo	D09D1LL
Rat1 Rhapsody Interface Auth User SubSq FT Lic+S&S 12 Mo	E071JLL
Rat1 Rhapsody Interface Floating User Annual SW S&S Rnw1	E078ULL
Rat1 Rhapsody Interface Floating User Init1 FT Lic+S&S 12 Mo	D09ANLL
Rat1 Rhapsody Interface Floating User Lic + SW S&S 12 Mo	D09PKLL
Rat1 Rhapsody Interface Floating User SW S&S Reinstate 12 Mo	D09HWLL
Rat1 Rhapsody Interface Floating User SubSq FT Lic+S&S 12 Mo	E071LLL

## Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Architect for Systems Engineers	
Rat1 Rhapsody Arch Sys Eng Auth User Annual SW S&S Rnw1	E0794LL
Rat1 Rhapsody Arch Sys Eng Auth User Init1 FT Lic+S&S 12 Mo	D0981LL
Rat1 Rhapsody Arch Sys Eng Auth User Lic + SW S&S 12 Mo	D09PVLL
Rat1 Rhapsody Arch Sys Eng Auth User SW S&S Reinstate 12 Mo	D09I6LL
Rat1 Rhapsody Arch Sys Eng Auth User SubSq FT Lic+S&S 12 Mo	E06YZLL
Rat1 Rhapsody Arch Sys Eng Floating User Annual SW S&S Rnw1	E078YLL
Rat1 Rhapsody Arch Sys Eng Floating User Init1 FT Lic+S&S 12 Mo	D098LLL
Rat1 Rhapsody Arch Sys Eng Floating User Lic + SW S&S 12 Mo	D09PPLL
Rat1 Rhapsody Arch Sys Eng Floating User SW S&S Reinstate 12 Mo	D09I0LL

Ratl Rhapsody Arch Sys Eng Floating User SubSq FT Lic+S&S 12 Mo	E06ZJLL
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### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Designer for Systems Engineers Ratl Rhapsody Designer Sys Eng Auth User Annual SW S&S Rnw1	E078SLL
Ratl Rhapsody Designer Sys Eng Auth User Initl FT Lic+S&S 12 Mo	D097ZLL
Ratl Rhapsody Designer Sys Eng Auth User Lic + SW S&S 12 Mo	D09PILL
Ratl Rhapsody Designer Sys Eng Auth User SW S&S Reinstate 12 Mo	D09HULL
Ratl Rhapsody Designer Sys Eng Auth User SubSq FT Lic+S&S 12 Mo	E06YXLL
Ratl Rhapsody Designer Sys Eng Floating User Annual SW S&S Rnw1	E078TLL
Ratl Rhapsody Designer Sys Eng Floating User Initl FT Lic+S&S 12 Mo	D0980LL
Ratl Rhapsody Designer Sys Eng Floating User Lic + SW S&S 12 Mo	D09PJLL
Ratl Rhapsody Designer Sys Eng Floating User SW S&S Reinstate 12 Mo	D09HVLL
Ratl Rhapsody Designer Sys Eng Floating User SubSq FT Lic+S&S 12 Mo	E06YYLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody TestConductor Add On Ratl Rhapsody TestConductor AO Auth User Annual SW S&S Rnw1	E0797LL
Ratl Rhapsody TestConductor AO Auth User Initl FT Lic+S&S 12 Mo	D097XLL
Ratl Rhapsody TestConductor AO Auth User Lic + SW S&S 12 Mo	D09PYLL
Ratl Rhapsody TestConductor AO Auth User SW S&S Reinstate 12 Mo	D09I9LL
Ratl Rhapsody TestConductor AO Auth User SubSq FT Lic+S&S 12 Mo	E06YVLL
Ratl Rhapsody TestConductor AO Floating User Annual SW S&S Rnw1	E0798LL
Ratl Rhapsody TestConductor AO Floating User Initl FT Lic+S&S 12 Mo	D097YLL
Ratl Rhapsody TestConductor AO Floating User Lic + SW S&S 12 Mo	D09PZLL
Ratl Rhapsody TestConductor AO Floating User SW S&S Reinstate 12 Mo	D09IALL
Ratl Rhapsody TestConductor AO Floating User SubSq FT Lic+S&S 12 Mo	E06YWLL

### Rational Rhapsody

Part description	Part number
IBM Rational Rhapsody Tools and Utilities Add On Ratl Rhapsody Tools Utilities AO Auth User Annual SW S&S Rnw1	E079IILL
Ratl Rhapsody Tools Utilities AO Auth User Initl FT Lic+S&S 12 Mo	D097VLL
Ratl Rhapsody Tools Utilities AO Auth User Lic + SW S&S 12 Mo	D09Q9LL
Ratl Rhapsody Tools Utilities AO Auth User SW S&S Reinstate 12 Mo	D09IKLL
Ratl Rhapsody Tools Utilities AO Auth User SubSq FT Lic+S&S 12 Mo	E06YTLL



Rat1 Rhapsody Tools Utilities AO Floating User Annual SW S&S Rnw1	E079NLL
Rat1 Rhapsody Tools Utilities AO Floating User Init1 FT Lic+S&S 12 Mo	D097WLL
Rat1 Rhapsody Tools Utilities AO Floating User Lic + SW S&S 12 Mo	D09QELL
Rat1 Rhapsody Tools Utilities AO Floating User SW S&S Reinstate 12 Mo	D09IQLL
Rat1 Rhapsody Tools Utilities AO Floating User SubSq FT Lic+S&S 12 Mo	E06YULL

### **Rational Rhapsody**

Part description	Part number
IBM Rational Rhapsody Developer	
Rat1 Rhapsody Developer Auth User Annual SW S&S Rnw1	E078NLL
Rat1 Rhapsody Developer Auth User Init1 FT Lic+S&S 12 Mo	D097TLL
Rat1 Rhapsody Developer Auth User Lic + SW S&S 12 Mo	D09PELL
Rat1 Rhapsody Developer Auth User SW S&S Reinstate 12 Mo	D09HQLL
Rat1 Rhapsody Developer Auth User SubSq FT Lic+S&S 12 Mo	E06YRLL
Rat1 Rhapsody Developer Floating User Annual SW S&S Rnw1	E079QLL
Rat1 Rhapsody Developer Floating User Init1 FT Lic+S&S 12 Mo	D097ULL
Rat1 Rhapsody Developer Floating User Lic + SW S&S 12 Mo	D09QGLL
Rat1 Rhapsody Developer Floating User SW S&S Reinstate 12 Mo	D09ISLL
Rat1 Rhapsody Developer Floating User SubSq FT Lic+S&S 12 Mo	E06YSLL

### **Rational Rhapsody**

Part description	Part number
IBM Rational Modeler Rhapsody Corporate Edition	
Rat1 Rhapsody Corporate Edition Auth User Init1 FT Lic+S&S 12 Mo	D097SLL
Rat1 Rhapsody Corporate Edition Auth User SubSq FT Lic+S&S 12 Mo	E06YQLL

### **Rational Rhapsody Design Manager**

Part description	Part number
IBM Rational Rhapsody Design Reviewer	
Rat1 Rhapsody Design Reviewer AU Single Install Annual SW S&S Rnw1	E0C9WLL
Rat1 Rhapsody Design Reviewer AU Single Install Init1 FT Lic+S&S 12 Mo	D0JZULL
Rat1 Rhapsody Design Reviewer AU Single Install Lic + SW S&S 12 Mo	D0JZ0LL
Rat1 Rhapsody Design Reviewer AU Single Install SW S&S Reinstate 12 Mo	D0JZ1LL
Rat1 Rhapsody Design Reviewer AU Single Install SubSq FT Lic+S&S 12 Mo	E0CAALL
Rat1 Rhapsody Design Reviewer FU Single Install Annual SW S&S Rnw1	E0C9XLL
Rat1 Rhapsody Design Reviewer FU Single Install Init1 FT Lic+S&S 12 Mo	D0JZVLL
Rat1 Rhapsody Design Reviewer FU Single Install Lic + SW S&S 12 Mo	D0JZ2LL
Rat1 Rhapsody Design Reviewer FU Single Install SW S&S Reinstate 12 Mo	D0JZ3LL
Rat1 Rhapsody Design Reviewer FU Single Install SubSq FT Lic+S&S 12 Mo	E0CABLL

## Rational Rhapsody Design Manager

Part description	Part number
IBM Rational Rhapsody Design Manager Ratl Rhapsody Design Manager AU Single Install Annual SW S&S Rnw1	E0C9ULL
Ratl Rhapsody Design Manager AU Single Install Initl FT Lic+S&S 12 Mo	D0JZQLL
Ratl Rhapsody Design Manager AU Single Install Lic + SW S&S 12 Mo	D0JYVLL
Ratl Rhapsody Design Manager AU Single Install SW S&S Reinstate 12 Mo	D0JYWLL
Ratl Rhapsody Design Manager AU Single Install SubSq FT Lic+S&S 12 Mo	E0CA6LL
Ratl Rhapsody Design Manager FU Single Install Annual SW S&S Rnw1	E0C9VLL
Ratl Rhapsody Design Manager FU Single Install Initl FT Lic+S&S 12 Mo	D0JZRLL
Ratl Rhapsody Design Manager FU Single Install Lic + SW S&S 12 Mo	D0JYXLL
Ratl Rhapsody Design Manager FU Single Install SW S&S Reinstate 12 Mo	D0JYYLL
Ratl Rhapsody Design Manager FU Single Install SubSq FT Lic+S&S 12 Mo	E0CA7LL

## Rational Rhapsody Design Manager

Part description	Part number
IBM Rational Rhapsody Contributor IBM Rational Rhapsody Contributor AUSI Annual SW S&S Rnw1	E0EJYLL
IBM Rational Rhapsody Contributor AUSI Initl FT Lic+S&S 12 Mo	D0TB8LL
IBM Rational Rhapsody Contributor AUSI Lic + SW S&S 12 Mo	D0TB4LL
IBM Rational Rhapsody Contributor AUSI SW S&S Reinstate 12 Mo	D0TB5LL
IBM Rational Rhapsody Contributor AUSI SubSq FT Lic+S&S 12 Mo	E0EK0LL
IBM Rational Rhapsody Contributor FUSI Annual SW S&S Rnw1	E0EK4LL
IBM Rational Rhapsody Contributor FUSI Initl FT Lic+S&S 12 Mo	D0TBALL
IBM Rational Rhapsody Contributor FUSI Lic + SW S&S 12 Mo	D0TBELL
IBM Rational Rhapsody Contributor FUSI SW S&S Reinstate 12 Mo	D0TBFLl
IBM Rational Rhapsody Contributor FUSI SubSq FT Lic+S&S 12 Mo	E0EK2LL

## Passport Advantage trade-up licenses

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Designer for Systems Engineers Rational Rose Technical Developer AU	Ratl Rhap Designer Sys Engrns AU fr Rose TechDevAU Trdup Lic + SW S&S 12 Mo	D0CA8LL
Rational Rose Technical Developer FL	Ratl Rhap Designer Sys Engrns FL fr Rose TechDevFL Trdup Lic + SW	D0CA6LL

	S&S 12 Mo	
Rational Rose Modeler AU	Ratl Rhap Dsgnr Sys Engrns AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0CA7LL
Rational Rose Modeler FL	Ratl Rhap Dsgnr Sys Engrns FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0CA5LL
IBM Rational Rhapsody Designer for Systems Engineers per Authorized User	Ratl Rhapsody Designer Sys Eng Floating User AU Trdup Lic + SW S&S 12 Mo	D09RBLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Architect for Systems Engineers		
Rational Rose Modeler AU	Ratl Rhap Arch Sys Engrns AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0CA4LL
Rational Rose Modeler FL	Ratl Rhap Arch Sys Engrns FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0CA3LL
IBM Rational Rhapsody Architect for Systems Engineers per Authorized User	Ratl Rhapsody Arch Sys Eng Floating User AU Trdup Lic + SW S&S 12 Mo	D09QPLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Interfaces Add On		
IBM Rational Rhapsody Interfaces Add On per Authorized User	Ratl Rhapsody Interface Floating User AU Trdup Lic + SW S&S 12 Mo	D09QRLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody TestConductor Add On		
IBM Rational Rhapsody TestConductor Add On per Authorized User	Ratl Rhapsody TestConductor AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09R4LL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Developer		
IBM Rational Rhapsody Developer per Authorized User	Ratl Rhapsody Developer Floating User AU Trdup Lic + SW S&S 12 Mo	D09QVLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part
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number

IBM Rational Rhapsody Tools and Utilities Add On		
IBM Rational Rhapsody Tools and Utilities Add On per Authorized User	Ratl Rhapsody Tools Utilities AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09R2LL

**Rational Rhapsody**

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Developer for C++, C, and Java		
Rational Rose Developer for Java or Rose for Visual Studio AU	Ratl RDev C C++Java AU fr RoseDev Java or Rose VS Trdup Lic + SW S&S 12 Mo	D0CA0LL
Rational Rose Developer for Java or Rose for Visual Studio FL	Ratl RDev C C++Java FL fr RoseDev Java or Rose VS Trdup Lic + SW S&S 12 Mo	D0C9WLL
Rational Rose Enterprise AU	Ratl Rhap Dev for C C++Java AU fr RRose Enterp AU Trdup Lic + SW S&S 12 Mo	D0CA1LL
Rational Rose Technical Developer AU	Ratl Rhap Dev for C C++Java AU fr RRose TechDev AU Trdup Lic + SW S&S 12 Mo	D0CA2LL
Rational Rose Enterprise FL	Ratl Rhap Dev for C C++Java FL fr RRose Enterp FL Trdup Lic + SW S&S 12 Mo	D0C9XLL
Rational Rose Technical Developer FL	Ratl Rhap Dev for C C++Java FL fr RRose TechDev FL Trdup Lic + SW S&S 12 Mo	D0C9YLL
Rational Rose Modeler AU	Ratl Rhap Dev forC C++Java AU fr Ratl Rose Mdlr AU Trdup Lic + SW S&S 12 Mo	D0C9ZLL
Rational Rose Modeler FL	Ratl Rhap Dev forC C++Java FL fr Ratl Rose Mdlr FL Trdup Lic + SW S&S 12 Mo	D0C9VLL
IBM Rational Rhapsody Developer for C++, C, and Java per Authorized User	Ratl Rhapsody Dev C++ Java Floating User AU Trdup Lic + SW S&S 12 Mo	D09QWLL

**Rational Rhapsody**

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Developer Rules Composer Add On		
IBM Rational Rhapsody Developer Rules Composer Add On per Authorized User	Ratl Rhapsody Dev Rule Cmp AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09QQLL

**Rational Rhapsody**

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Automatic Test Generation Add On		
IBM Rational Rhapsody	Ratl Rhapsody Auto Test	D09TCLL

Automatic Test Generation Gen A0 Floating User AU  
 Add On per Authorized User Trdup Lic + SW S&S 12 Mo

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Architect for Software	Ratl RA SW FL fr RoseDev	D0C9RLL
Rational Rose Developer for Java or Rose for Visual Studio FL	Java or Rose Vs1Std FL Trdup Lic + SW S&S 12 Mo	
Rational Rose Developer for Java or Rose for Visual Studio AU	Ratl RArch SW AU fr RoseDev Java or Rose Vs1Std AU Trdup Lic + SW S&S 12 Mo	D0C9NLL
Rational Rose Enterprise AU	Ratl Rhap Arch for SW AU fr Ratl Rose EnterpriseAU Trdup Lic + SW S&S 12 Mo	D0C9PLL
Rational Rose Modeler AU	Ratl Rhap Arch for SW AU fr Ratl Rose Modeler AU Trdup Lic + SW S&S 12 Mo	D0C9MLL
Rational Rose Enterprise FL	Ratl Rhap Arch for SW FL fr Ratl Rose EnterpriseFL Trdup Lic + SW S&S 12 Mo	D0C9SLL
Rational Rose Modeler FL	Ratl Rhap Arch for SW FL fr Ratl Rose Modeler FL Trdup Lic + SW S&S 12 Mo	D0C9QLL
IBM Rational Rhapsody Architect for Software per Authorized User	Ratl Rhapsody Architect for SW Floating User AU Trdup Lic + SW S&S 12 Mo	D09TDLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On		
IBM Rational Rhapsody for DoDAF, MODAF, and UPDM Add On per Authorized User	Ratl Rhapsody D, M, U A0 Floating User AU Trdup Lic + SW S&S 12 Mo	D09SKLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Developer for Ada		
Rational Rose Enterprise AU	Ratl Rhap Dev for ADA AU fr Ratl Rose EnterpriseAU Trdup Lic + SW S&S 12 Mo	D0C9TLL
Rational Rose Enterprise FL	Ratl Rhap Dev for ADA FL fr Ratl Rose EnterpriseFL Trdup Lic + SW S&S 12 Mo	D0C9ULL
IBM Rational Rhapsody Developer for Ada per Authorized User	Ratl Rhapsody Dev Ada Floating User AU Trdup Lic + SW S&S 12 Mo	D09QMLL

### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
IBM Rational Rhapsody Developer Rules Player Add		

On IBM Rational Rhapsody Developer Rules Player Add On per Authorized User	Ratl Rhapsody Plyr Rule Cmp AO Floating User AU Trdup Lic + SW S&S 12 Mo	D09R0LL
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### Rational Rhapsody

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Gateway Add On IBM Rational Rhapsody Gateway Add On per Authorized User	Ratl Rhapsody Getway Floating User AU Trdup Lic + SW S&S 12 Mo	D09STLL
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### Rational Rhapsody Design Manager

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Design Manager IBM Rational Rhapsody Contributor	Ratl RDM AUSI from Rhapsody Contributor AUSI Trdup Lic + SW S&S 12 Mo	D0TB2LL
IBM Rational Rhapsody Contributor	Ratl RDM FUSI from Rhapsody Contributor FUSI Trdup Lic + SW S&S 12 Mo	D0TB3LL
Ratl Rhap Design Manager Authorized User Single Install	Ratl Rhapsody Design Manager FUSI from AUSI Trdup Lic + SW S&S 12 Mo	D0JYZLL

### Rational Rhapsody Design Manager

Precursor product	Trade-up product	Trade-up part number
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IBM Rational Rhapsody Design Reviewer Rhapsody Designer Reviewer Authorized User Single Install	Ratl Rhapsody Design Reviewer FUSI from AUSI Trdup Lic + SW S&S 12 Mo	D0JZ4LL
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### Passport Advantage supply

Program name/description	Part number
Ratl Rhapsody Arch for SW V8.0.0 IBM Rational Rhapsody v8.0 Multiplatform Multilingual Media Pack	BT0HJML
Ratl Rhapsody Design Manager V4.0.0 IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML

### Passport Advantage customer: Media pack entitlement details

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Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

### Ratl Rhapsody Arch for SW V8.0.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Rational Rhapsody Architect for Software per	IBM Rational Rhapsody v8.0 Multiplatform Multilingual	BT0HJML

Authorized User	Media Pack	
IBM Rational Rhapsody Architect for Software per Floating User Single Install	IBM Rational Rhapsody V8.0 Multiplatform Multilingual Media Pack	BT0HJML

### **Ratl Rhapsody Design Manager V4.0.0**

Entitled maintenance offerings description	Media packs description	Part number
IBM Rational Rhapsody Design Manager per Authorized User Single Install	IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML
Ratl Rhapsody Design Manager per Floating User Single Install	IBM Ratl Rhapsody Design Manager V4.0 Multiplatform Multilingual Media Pack	BT0HKML

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This software license includes Software Subscription and Support (also referred to as Software Maintenance).

### ***License Information form numbers***

Program name	Program number	Form number
Rational Rhapsody	5724-X70	L-SROS-8WNJVX
Rational Rhapsody Design Manager	5725-D80	L-SROS-8WNJE2

The program's License Information will be available for review on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

### ***Limited warranty applies***

Yes

### ***Limited warranty***

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

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Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Maintenance is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Maintenance also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

### ***Money-back guarantee***

For clarification, note that if for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

- For clarification, note that for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

### ***Volume orders (IVO)***

No

### ***Passport Advantage applies***

Yes, and through the Passport Advantage website at

<http://www.ibm.com/software/passportadvantage>

This product is only available via Passport Advantage. It is not available as shrinkwrap.

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