



IBM Rational Programming Patterns V9.1 helps accelerate an exhaustive transition to the Rational Software Delivery Platform

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At a glance

IBM® Rational® Programming Patterns V9.1 delivers the following capabilities:

- Helps enhance Pacbase customer investment by modernizing the pattern driven development paradigm and the Enterprise Wide Repository services within the latest IBM strategic delivery platform.
- Includes a design to provide tools to help migrate at low cost, by limiting the non-regression tests and the retraining of the Pacbase developers.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: AE001).

Overview

Rational Programming Patterns V9.1 raises the content parity ratio with IBM VisualAge® Pacbase while it enhances its attractiveness and robustness. Version 9.1 can help to ensure a secure transition with pilot projects or wider developments of the Rational Software Delivery Platform.

Key prerequisites

This release supports Windows™ and Linux™.

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

Planned availability date

- July 10, 2014: Electronic availability
- July 17, 2014: Media availability

Description

New publication features

Thanks to a set of wizards and dialogs, it is now possible to serialize design instances into an XML, HTML, or CSV output, in either a layout or list format, for which specification for the exported attributes can be defined. This export can be applied on an impact analysis result view (local and server).

Migration process enhancements

- A new procedure (MIBU) allows to perform design modifications required by the migration process (for example, modify the segments selection in a data structure call). These modifications are based on a UPDP format file, that is used by MIBU procedure to generate a TA2 file and subsequent repositories that can then be applied on the result of a previous complete migration (MIBR procedure).
- The MIBR procedure is enhanced with several additional options to refine and automate the definition of the migration scope. To ease the migration scope validation, the migration output files are also enriched with the list of duplicated and excluded entities.
- Validation of a set of migrated designs can now be realized at once through a new validation manager view. To simplify the validation of programs after the migration, the Rational Programming Patterns migration messaging mechanism is extended to customize the level of warning to filter the number of difference generations that are displayed in the problem view.

Integration capabilities enhancements

- The new middleware feature is used to retrieve as XML, virtually all changes that are issued in Rational Team Concert™. This mechanism provides one or more XML files that describe the type of update (creation, modification, or deletion) and the design file or COBOL source concerned, from a list of entity types and a list of projects or stream.
- This mechanism allows to retrieve updates to the Rational Team Concert repository and helps to reduce the adaptation of existing PACBASE ecosystem by implementing a relational model replicated to replace PAF queries by SQL queries.

Impact analysis enhancements

- Users can now access to the Segment -LAL description on remote instances. -LAL description can now be computed and displayed on Segment remote instances.
- The XRefs result view can be filtered according to a context and a vision. This filter is specified with a context (similar to a project) and a vision (upper-lower-all).
- The references specified in the macro source code are now extracted and displayed. The macro source attribute is analyzed to extract the references to the design files. The details on references to the data elements can be displayed in a dedicated view and the editor of the macro source is synchronized with this view.

Rational Programming Patterns Software Development Kit (SDK)

For organizations that are willing to establish Rational Programming Patterns over the long term with source code transformation capabilities while keeping pattern-driven development productivity, or move out from Pacbase while not willing to maintain Pacbase models, or willing to move out from an obsolescent CASE tool, Rational Programming Patterns V9.1, now provides a data dictionary that can be extended to native COBOL development channel and a set of public API to consume this dictionary in native COBOL source code using micro-patterns.

These features are a foundation to support new application or technical architectures, and help to make easy the development of a new generator decomposing the complexity of a transformation in several smaller and more simple

atomic transformations through Micro-Patterns and Skeletons, without developing any new generator.

The transformation is not supported by Rational Programming Patterns by itself, but managed as a project through a Development Partners ecosystem.

Translation information for IBM software can be found at

<http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/index.jsp>

Availability of national languages

| Product description | Language | General availability date |
|--------------------------------------|--------------------------------|---------------------------|
| Rational Programming Patterns v9.1.0 | Multilingual (French, English) | July 17, 2014 |

Program number

| Program number | VRM | Program name |
|----------------|-------|-----------------------------------|
| 5725-H03 | 9.1.0 | IBM Rational Programming Patterns |

Offering Information

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>

Publications

No publications are shipped with this product.

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

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Technical information

Specified operating environment

Hardware requirements

Disk space: Minimum: 1.8 GB, plus 210 MB temporary space; 5 GB is recommended.

Memory: Minimum: 2.0 GB RAM; 3.0 GB RAM is recommended

Processor: 1 GHz, or faster 32-bit (x86) or 64-bit (x64) processor, dual or quad core recommended; Intel™ Pentium™ 4 processor minimum.

Software requirements

Development tools

- Rational Developer for AIX® and Linux, V9.1 and future fix packs
- Rational Developer for System z®, V9.1 and future fix packs
- Rational Team Concert V4.0.6 and future fix packs

Installation: Capilano Components (IBM Installation Manager and IBM Packaging Utility) V1.7.2

Java™ SDK

- IBM Java SDK/JRE V7.0 and future fix packs
- IBM Java SDK V6.0 and future fix packs

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.

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Packaging

Rational Programming Patterns

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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.

Ordering information

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

Product information

Charge metrics definitions

Passport Advantage supply

| Program name/description | Part number |
|--|-------------|
| Rational Programming Patterns V9.1.0 | |
| IBM Rational Programming Patterns V9.1 Multiplatform ML MEDIA PACK | BT0LYML |

Passport Advantage customer: Media pack entitlement details

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| Program name | Program number | LI number |
|-----------------------------------|----------------|---------------|
| IBM Rational Programming Patterns | 5725-H03 | L-GVAN-9K9KTR |

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

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Limited warranty

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Educational allowance available

Not applicable.

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