



IBM Rational Programming Patterns V9.6 offers migration and import enhancements

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At a glance

IBM^(R) Rational^(R) Programming Patterns leverages Pacbase clients' investment by modernizing the pattern-driven development paradigm and the enterprise-wide repository services within the latest IBM strategic delivery platform. Rational Programming Patterns V9.6 enhances the following features:

- Migration and import
- Design editors
- Professional Development Program (PDP) user interface (UI) and wizard
- Search and cross-reference
- Macro structures
- Generation manager

Overview

Rational Programming Patterns V9.6 provides migration and import enhancements with a new option in the automatic migration command, the ability to filter on imported libraries, and modifications to the zcompmap and uploadsandbox commands.

Product usability is improved with Design Editor, PDP, UI, and wizard enhancements for the user menu, command input, and display options. The usability is also improved with an enhanced Data Element display and Generated Code Structure view. Macro-structures enhancements include a new menu in the Macro Code Structure view. Search and cross-references features have been added that include an enhanced macro cross-references view.

Generation Manager enhancements include a Filter text input field and the ability for CSV export in all the impact analysis views that improves publishing facilities. In addition, the e-Business 2.5 Pattern is expanded to include generation of the service manager for mono-view development and new editors, tabs, and features are added in the web client.

Key prerequisites

Supports MicrosoftTM WindowsTM and LinuxTM operating systems.

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

Planned availability date

June 13, 2017

Description

Rational Programming Patterns V9.6 offers:

- Migration and import enhancements:
 - A new option in the automatic migration command removes unwanted COBOL files for a multisession or progressive migration: If a list of programs, screens, or servers with COBOL files that must not be migrated was specified for a multisession migration (MIBR) or a progressive migration (MIBJ), it can be recognised upon each new import of a session or journal version. The COBOL files of the new instances that are integrated in the list each time MIBR or MIBJ is run are then automatically removed from the workspace if they had been previously imported. To do so, a `-noMigratedFile` option can now be entered in the automatic migration command to point to the file that contains the instances list.
 - Filter on imported libraries: A filter can be applied on the extracted libraries before the automatic migration command to migrate libraries' subnetworks.
 - Modifications of `zcompmap` and `uploadsandbox` commands for Rational Team Concert™ compatibility: The `zcompmap` command is now an `rpp.bat` command. It is called by `scmtools_entries.bat` command, which contains two new parameters. An argument has been removed from the `uploadsandbox` command.
- Design editors enhancements:
 - Instance labels displayed by default in the selection wizards that are opened with the Add buttons.
 - Enhanced Data Element display in reports: The Data Element output format is displayed in the `-CE` lines and `-D` lines. A tooltip is available in the Structure and Label columns in the `--D` Lines.
 - `DSQC1` option can be selected in Copybooks to generate the description of Segments in an SQL format.
 - New Generation tab in the Library editor: A project and folder can be specified for all the generation products of the Library (COBOL files, but also maps, proxies, descriptions of Database Blocks, and so on).
 - Alphabetical sort of macros in `-CP` Lines.
 - Width of the Description column in the `-G` Lines limited to 60 characters.
 - Enhanced user entity: The Overview tab displays the description number and label. The checkbox Show Field Name is selected by default in the Description tab.
 - Screen address of elements (equivalent to `--ADR` in Pacbase): From the `-CE` lines of a screen, you can open a view that displays the positions of all the fields in a screen.
- PDP UI and wizard enhancements:
 - Enhanced Generated Code Structure view: A new column shows the conditions for the IT blocks. Tooltips show the function or subfunction and its level in the first column, and the condition as it is displayed in the PDP COBOL editor in the Condition column.
 - New MCI micropattern: This micropattern corresponds to the `MOVE CORRESPONDING` COBOL statement. It transfers the elementary data elements with identical names in two group fields.
 - New snippet for the insertion of the `EVALUATE` statement.
 - New colour and font preferences: A new default colour for the code lines in the PDP COBOL editor and the Generated Code Structure view is available. A new

preference is also available to customize the character font, size, and style in the PDP COBOL editor.

- Search and cross-references features enhancements:
 - Free references with content assist in Folder Composition: A free reference is set when the name of a target instance is entered in the columns of the Folder Composition tab. Content assist is available and a subreference link is created, even if the target instance is not defined. The target instance is displayed in the subreference results of the Folder instance. Its super references can be searched.
 - Enhanced macro cross-references view: The Context field filters the results; tooltip displays the entity type of the calling instances; Comment column; menu to sort, filter, and change the displayed information; contextual menu of calling instances; and specification of a linked instance (with content assist).
- Macro-structures enhancements:
 - New contextual menu in the Macro Code Structure view: The menu contains choices to create a function or subfunction and update or delete a selected function or subfunction.
 - CASE OF Refactoring to EVALUATE: In the Generated Code Structure view, the action CASE OF refactoring to EVALUATE is added to the functions and subfunction actions menu. It is enabled on the dependent subfunctions of a subfunction with a CASE OF condition and in COBOL II, 85 only. The code of the CASE OF is reformatted into an EVALUATE statement.
 - New client/server skeletons for macros in the Macro Code Structure view: Skeletons are available for communication monitors, folders, and IT servers.
 - New custom quality rule for macro lines: The RPP custom rule No specific lines for specified macros verifies that the COBOL code of a program, screen, or server does not contain deletions, overwritings, or insertions of specific lines inside specified macros.
- Generation Manager enhancements:
 - Filter text input field: The filter applies to the whole content of all the columns, but its scope can be explicitly narrowed.
 - CSV export is available.

Web client

Data dictionary, treatment patterns, and generated code basic read-only views, as well as simplified search and impact analysis features are now provided through a Rational Team Concert-based web client available as a chargeable component of Rational Programming Patterns.

- Miscellaneous enhancements:
 - e-Business 2.5 Pattern: Generation of the service manager for mono-view development.
 - Duplication of communication monitors and folders: The Duplicate choice is now available in the contextual menu of communication monitors and folders in the Design Explorer view. It duplicates the design file, COBOL file, and proxy (if applicable).
 - Removal of the Package field from the creation wizards in the Pacbase facet.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details about accessibility compliance, can be found on the [Product accessibility information](#) website.

Program number

Program number	VRM	Program name
5725-H03	9.6.0	IBM Rational Programming Patterns

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage^{\(R\)}](#) and [Passport Advantage Express^{\(R\)}](#) website.

Publications

Technical documentation can be found in [IBM Knowledge Center](#).

Services

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Technical information

Specified operating environment

Hardware requirements

Disk space

- Minimum: 2 GB, plus 210 MB temporary space
- Recommended: 5 GB

Memory

- Minimum: 8 GB RAM (including 4 GB RAM needed for Eclipse process)
- Recommended: 16 GB RAM (including 8 GB RAM needed for Eclipse process)

Processor

- Minimum: IntelTM PentiumTM 4 processor
- Recommended: 64-bit (x64) processor, dual or quad core

Software requirements

Operating systems

IBM AIX^(R)

- AIX 6.1 POWER^(R) System

- AIX 7.1

Linux

- SUSE Linux Enterprise Server (SLES) 11 SP1
- Red Hat Enterprise Linux (RHEL) Server 6 x86_64
- RHEL Server 6
- SLES 11 SP1 x86_64
- RHEL Server 7 x86_64

Microsoft Windows

- Windows 7 Professional x86_64
- Windows 8.1 Enterprise x86_64
- Windows Server 2008 R2 Enterprise Edition x86_64
- Windows 8.1 Standard x86_64
- Windows 7 Ultimate x86_64
- Windows 8.1 Professional x86_64
- Windows Server 2012 Datacenter Edition x86_64
- Windows Server 2012 Standard Edition x86_64
- Windows 7 Enterprise x86_64
- Windows Server 2008 R2 Standard Edition x86_64

IBM z/OS^(R)

- z/OS V2.1
- z/OS V2.2
- z/OS V1.13

Planning information

Packaging

This offering is delivered through the internet. There is no physical media.

Ordering information

Product: IBM Rational Programming Patterns (5725-H03)

Passport Advantage

Program description	Part number
IBM Rational Programming Patterns Web Client Authorized User License + SW Subscription & Support 12 Months	D1TTHLL
IBM Rational Programming Patterns Web Client Authorized User SW Subscription & Support Reinstatement 12 Months	D1TTILL
IBM Rational Programming Patterns Web Client Authorized User Monthly License	D1TTJLL
IBM Rational Programming Patterns Web Client Authorized User Initial Fixed Term License + SW Subscription & Support 12 Months	D1TTKLL
IBM Rational Programming Patterns Web Client Authorized User Annual SW Subscription & Support Renewal 12 Months	E0NQZLL

Program description	Part number
IBM Rational Programming Patterns Web Client Authorized User Subsequent Fixed Term License + SW Subscription & Support 12 Months	E0NROLL
IBM Rational Programming Patterns Web Client Authorized User for z systems License + SW Subscription & Support 12 Months	D1TTLLL
IBM Rational Programming Patterns Web Client Authorized User for z systems SW Subscription & Support Reinstatement 12 Months	D1TTMLL
IBM Rational Programming Patterns Web Client Authorized User for z systems Monthly License	D1TTNLL
IBM Rational Programming Patterns Web Client Authorized User for Z systems Initial Fixed Term License + SW Subscription & Support 12 Months	D1TTPLL
IBM Rational Programming Patterns Web Client Authorized User for z systems Annual SW Subscription & Support Renewal 12 Months	E0NR1LL
IBM Rational Programming Patterns Web Client Authorized User for z systems Subsequent Fixed Term License + SW Subscription & Support 12 Months	E0NR2LL
IBM Rational Programming Patterns Web Client Floating User Single Install License + SW Subscription & Support 12 Months	D1TTQLL
IBM Rational Programming Patterns Web Client Floating User Single Install SW Subscription & Support Reinstatement 12 Months	D1TTRLL
IBM Rational Programming Patterns Web Client Floating User Single Install Monthly License	D1TTTLL
IBM Rational Programming Patterns Web Client Floating User Single Install Initial Fixed Term License + SW Subscription & Support 12 Months	D1TTULL
IBM Rational Programming Patterns Web Client Floating User Single Install Annual SW Subscription & Support Renewal 12 Months	E0NR3LL
IBM Rational Programming Patterns Web Client Floating User Single Install Subsequent Fixed Term License + SW Subscription & Support 12 Months	E0NR4LL
IBM Rational Programming Patterns Web Client Floating User Single Install for z systems License + SW Subscription & Support 12 Months	D1TTVLL
IBM Rational Programming Patterns Web Client Floating User Single Install for z systems SW Subscription & Support Reinstatement 12 Months	D1TTWLL
IBM Rational Programming Patterns Web Client Floating User Single Install for z systems Monthly License	D1TTYLL
IBM Rational Programming Patterns Web Client Floating User Single Install for z systems Initial Fixed Term License + SW Subscription & Support 12 Months	D1TTZLL
IBM Rational Programming Patterns Web Client Floating User Single Install for	E0NR5LL

Program description	Part number
z systems Annual SW Subscription & Support Renewal 12 Months	
IBM Rational Programming Patterns Web Client Floating User Single Install for z systems Subsequent Fixed Term License + SW Subscription & Support 12 Months	E0NR6LL
IBM Rational Programming Patterns Web Client Floating User Single Install from Rational Programming Patterns Web Client Authorized User Trade Up License + SW Subscription & Support 12 Months	D1TTSLL
IBM Rational Programming Patterns Web client Floating User Single Install for z systems from Rational Programming Patterns Web Client Authorized User Trade Up License + SW Subscription & Support 12 Months	D1TTXLL

Charge metric

Program name	Part number or PID number	Charge metric
IBM Rational Programming Patterns	5725-H03	Floating User Single Install
IBM Rational Programming Patterns	5725-H03	Authorized User

Floating User Single Install

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L-FBLN-AK3JEN

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Volume orders (IVO)

No

Passport Advantage applies

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

Software Subscription and Support applies

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System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Statement of good security practices

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Passport Advantage

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