

IBM Rational Programming Patterns V9.7 provides micropattern enhancements and improves design and coding experience in IBM Rational Software Delivery Platform

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At a glance

IBM^(R) Rational^(R) Programming Patterns V9.7 brings:

- Implementation of a new standardized syntax to improved declaration of micropatterns
- Improvements to COBOL code management
- New rule for quality control
- Enhancements to design editor
- Enhancements to search function
- MQSeries^(R) communication type for communication monitors

Overview

IBM Rational Programming Patterns modernizes the pattern-driven development paradigm and the enterprise-wide repository services within the current IBM strategic delivery platform. Through a low-cost migration, Rational Programming Patterns introduces Pacbase clients into a development environment that surpasses Pacbase capabilities. It also provides native COBOL developers with tools that are designed to help them achieve high development and maintenance productivity.

New in version 9.7

IBM Rational Programming Patterns V9.7 improves the declaration of most micropatterns by implementing a new standardized syntax that benefits from a content assist function. This enhancement also prepares for the future evolution of the search for references and of the syntax analysis.

The COBOL code management features the following improvements:

- New consistency check on the macro identifier in the macro source code
- Automatic generation of an end period before the FN end labels of functions or subfunctions
- Capability to move a function with all its dependent nodes
- Capability to define a condition on a relative subfunction

The quality control contains a new rule that checks the addresses of the elements in the -CE Lines.

Product usability is improved with design editor enhancements. These enhancements enable users to define timestamp Data Element and discard the modifications in the secondary tabular editors. Special characters in external names are now detected and raise a warning or an error upon generation.

The search function is enhanced. A new standard search pattern lists the segments by structure code. Additionally, a search can be performed on multiple keywords.

The migration spectrum broadens with the recognition of the MQSeries communication type for communication monitors.

Key requirements

Supports Microsoft™ Windows™ and Linux^(R) operating systems.

For details, see the [Software requirements](#) section.

Planned availability date

October 17, 2019

Description

Enhanced micropattern management

- New syntax for the declaration of most micropatterns. The syntax now consists of a series of parameter keys followed by their values. The old syntax is overridden with the new syntax when the instance is generated again.
- Content assist for the micropattern identifier and parameters.
- Enhanced Generated Code Structure view. Micropattern parameters are displayed in the Generated Code Structure view.
- New parameter for the WF micropattern. This micropattern now includes a parameter for the generation prefix.

Enhanced code management and generation

- Enhanced Generated Code Structure view. New actions provide capability to move a function or subfunction with all of its dependent nodes.
- New consistency check in the macro source code. This check requires that the Fffss identifier must also be indicated as Nffss in the comment line that follows the identifier declaration.
- Automatic generation of the CONTINUE. statement. This enhancement ensures that the code contains the required end period before the FN end label of the function or subfunction.
- Enhanced function and subfunction creation wizard. This capability enables users to add a condition on a subfunction that has a relative position.
- Enhanced PDP COBOL editor. The Source > Sequence Numbers item is removed from the contextual menu. This prevents the loss of information that is displayed in columns 73 - 80.

Enhanced quality control

- New rule that checks the addresses of the elements in the Screen -CE Lines.
- Extension of the rule that prevents the use of GO TO statements. The GO TO statements that are automatically generated are also excluded.

Enhanced search and impact analysis

- New standard search pattern in the Advanced Design Search and Server Advanced Design Search views. These views now display the List of Segments by structure code.
- Enhanced design search capabilities that enable a design search on multiple keywords.

Enhanced design editors

- New buttons to define timestamp data elements. Users can specify fractions of second and the timezone.
- Capability to detect special characters in the external names of the generatable instances. For a program, an error is raised on the instance and prevents the generation. For the other entities, a warning is raised but the generation remains possible.
- Enhanced Segment editor. The sort key is now displayed in the table of the Level, Address, and Length tab in the Segment editor.
- Cancel button is available in the complementary editors that are opened from the tables of the design editors.

Migration completeness

- MQSeries communication monitors are now recognized.

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM Accessibility Conformance Report Request](#) website.

Reference information

For more information about IBM Rational Programming Patterns, see Software Announcement [LP18-0262](#), dated October 16, 2018.

Program number

Program number	VRM	Program name
5725-H03	9.7.0	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

None

Technical information

Specified operating environment

Software requirements

For current software operating system requirements, see the [IBM Software Product Compatibility Reports](#) website.

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Planning information

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5725-H03	IBM Rational Programming Patterns	L-FBLN-B94DPZ

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Variable charges apply

No

Educational allowance available

Not applicable.

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