IBM Rational Solution for Test Automation V9.5 delivers new capabilities for continuous testing and service virtualization

At a glance

The IBM(R) Rational(R) Solution for Test Automation V9.5 portfolio helps to accelerate end-to-end testing of multichannel, interconnected applications, with new features for service virtualization, performance, and UI testing. With version 9.5, the IBM Rational Test Workbench V9.5 solution expands its component feature set with the following capabilities and benefits:

Integration testing:

- Support for testing AMQP (RabbitMQ) interfaces
- Import of RAML and OpenAPI v3 API definitions
- Support for NoSQL databases (MongoDB)
- Integrated version control support for Git
- Ease of use and prioritized requests for enhancements (RFE)

Functional test automation:

- Visual Studio 2017 support
- Next-generation test data pools
- Integrated version control support for Git

Performance testing:

- JMeter execution and reporting capabilities
- Next-generation test data pools
- Integrated version control support for Git

Virtualization services enhancements:

- Sift and pass through support for virtual databases
- Enhanced learning capabilities for virtual databases
- Capability to virtualize SAP systems without the need for an SAP ECC instance
- Capability to virtualize AMQP (RabbitMQ) communications
- Capability to record and virtualize Postgres databases (technical preview)

Rational Test Control Panel (V10.0 technical preview):

- Docker-based distribution and installation

- Role-based access and security
- Project overview statistics
- Execution of test cases from the server by using Docker containers

Overview

An integral part of this Rational solution for DevOps, the Rational Test Workbench offerings enable continuous testing and faster software delivery across the enterprise. The offerings include:

- IBM Rational Test Workbench
- IBM Rational Performance Tester
- IBM Rational Functional Tester
- IBM Rational Integration Tester
- IBM Rational Service Tester for SOA Quality
- IBM Rational Test Virtualization Server
- IBM Rational Performance Test Server

New in Rational Test Workbench V9.5

Rational Test Workbench V9.5 brings enhancements across the portfolio in the areas of version control, test data, and platform support.

When testing or virtualizing APIs, testers often need to reference the data that is used by the system under test. Version 9.5 enhancements to its toolset adds support for querying and updating NoSQL databases, starting with MongoDB.

Virtualization of databases is also enhanced by the capability to pass queries through to the live database when a virtual database cannot provide a response to a query. The virtual database can then learn any additional queries and tables, further enhancing the capability to virtualize away parts of the system under test that are not required for testing.

Just as developers manage their code in version control, testers also need to manage their tests and virtual services in the same way. Therefore, all authoring tools in the Rational Test Workbench suite are gaining built-in support for version control with Git. For Rational Functional Tester and Rational Performance Tester, gaining built-in support for version control with Git involves bundling eGit as part of the team perspective. For Rational Integration Tester, new controls are provided within the test navigator for direct commit, push, and pull operations.

Rational Performance Tester and **Rational Functional Tester** enhancements include redesigned test data capabilities. Several highly requested features are added to these components, such as persistent cursor support, support for high volumes of data, and the elimination of segmenting data by providing true shared data sets.

Users of open source solutions such as JMeter can now benefit from the rich reporting and analytics capabilities of Rational Performance Tester. JMeter test cases can be run within Rational Performance Tester. Users can apply all of the performance schedule capabilities to JMeter assets and get meaningful reports quickly and easily.

The modern enterprise deploys applications and multichannel web experiences at a rapid cadence to reach new clients and business opportunities. These applications are connected to corporate systems through the use of a wide variety of front-end technologies, middleware, and integration platforms. The IBM Solution for Test Automation helps you:

- Ensure the integrity and quality of these customer-reaching business processes

- Save time and cost with an integrated quality platform that supports a process for continuous application delivery and DevOps

Key requirements

Requires Capilano Components (IBM Installation Manager and IBM Packaging Utility) and fix packs.

For details, see the Software requirements section.

Planned availability date

March 21, 2019

Accessibility by people with disabilities

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the Product accessibility information website.

Reference information

For more information about IBM Rational Solution for Test Automation, see Software Announcement 218-477, dated September 25, 2018.

Program number

Program number	VRM	Program name
5725-G79	9.5.0	IBM Rational Test Workbench
5725-G94	9.5.0	IBM Rational Test Virtualization Server
5725-G93	9.5.0	IBM Rational Performance Test Server
5724-J96	9.5.0	IBM Rational Performance Tester
5724-S34	9.5.0	IBM Rational Service Tester for SOA Quality
5724-G25	9.5.0	IBM Rational Functional Tester

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

Software requirements
Mac OS

- OS X El Capitan 10.11 x86-64
- macOS Sierra 10.12 x86-64
- macOS High Sierra 10.13 x86-64

AIX$^{(R)}$

- AIX 7.1 POWER$^{(R)}$ System - Big Endian (7.1 and later)

Linux$^{(R)}$

- Red Hat Enterprise Linux (RHEL) Client 6.8 x86-64 (6.8 and later)
- Red Hat Enterprise Linux (RHEL) Workstation 6.8 x86-64 (6.8 and later)
- Red Hat Enterprise Linux (RHEL) Server 6.8 x86-64 (6.8 and later)
- Red Hat Enterprise Linux (RHEL) Server 6.8 IBM z Systems$^{(R)}$ (6.8 and later)
- Red Hat Enterprise Linux (RHEL) Client 7.3 x86-64 (7.3 and later)
- Red Hat Enterprise Linux (RHEL) Workstation 7.3 x86-64 (7.3 and later)
- Red Hat Enterprise Linux (RHEL) Server 7.3 x86-64 (7.3 and later)
- Red Hat Enterprise Linux (RHEL) Server 7.3 IBM z Systems (7.3 and later)
- Ubuntu LTS 16.04 x86-64
- Ubuntu LTS 18.04 x86-64

Microsoft^{TM} Windows^{TM}

- Windows Enterprise 7 x86-64
- Windows Professional 7 x86-64
- Windows Enterprise 10 x86-64
- Windows Professional 10 x86-64
- Windows 2012 Server R2 x86-64
- Windows 2016 Server x86-64

Mobile

- Android 5

- Android 6
- Android 7
- Android 8
- iOS 7
- iOS 8
- iOS 9
- iOS 10

Planning information

Packaging

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No new parts.

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Program identifier	License Information document title	License Information document number
5725-G79	IBM Rational Test Workbench	L-PASH-B8AR54
5725-G94	IBM Rational Test Virtualization Server	L-LASH-B8ASRD
5725-G93	IBM Rational Performance Tester Server	L-PASH-B8ARZ4
5724-J96	IBM Rational Performance Tester	L-PASH-B8AR92
5724-S34	IBM Rational Service Tester for SOA Quality	L-PASH-B8ASVG
5724-G25	IBM Rational Functional Tester	L-PASH-B8ARAA

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The following License Information documents apply to the offerings in this announcement:

Program identifier	License Information document title	License Information document number
5725-G79	IBM Rational Test Workbench	L-PASH-B8AR54
5725-G94	IBM Rational Test Virtualization Server	L-LASH-B8ASRD
5725-G93	IBM Rational Performance Tester Server	L-PASH-B8ARZ4
5724-J96	IBM Rational Performance Tester	L-PASH-B8AR92
5724-S34	IBM Rational Service Tester for SOA Quality	L-PASH-B8ASVG
5724-G25	IBM Rational Functional Tester	L-PASH-B8ARAA

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Variable charges apply

No

Educational allowance available

Not applicable.

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