IBM Rational Solution for Test Automation V9.2.1 suite enhances IBM Rational Test Workbench V9.2.1 component feature set with new service virtualization, performance, and UI testing capabilities

At a glance

The IBM(R) Rational(R) Solution for Test Automation V9.2.1 portfolio helps to accelerate end-to-end testing of multichannel, interconnected applications, with new features for service virtualization, performance, and UI testing. With version 9.2.1, the IBM Rational Test Workbench V9.2.1 solution expands its component feature set with the following capabilities and benefits:

- Integration testing
  - Container-based execution of tests
  - Support for working with file-based interfaces
  - Reports integrated with functional and performance test reports.
- Functional test automation
  - Container-based execution of tests (Docker, Kubernetes, Helm)
  - Enhanced Perfecto Mobile integration
  - Native mobile browser support
  - Simplified maintenance with guided healing of tests
  - Ease of use and prioritized RFEs
- Performance testing
  - Container-based execution of tests (Docker, Kubernetes, Helm)
    -- Metrics collection framework Windows^{TM} Performance Monitor
    -- Linux(R) Performance Monitor
    -- Apache HTTPD Performance Monitor
    -- NGINIX Performance Monitor
  - Ease of use and prioritized RFEs
- Virtual services enhancements
  - Virtual services in Docker with per-container licensing
  - Support for file-based protocols
  - New dashboards for both administrators and end users
  - Support for transmission queues in IBM WebSphere(R) MQ

Overview

An integral part of this Rational solution for DevOps, the Rational Test Workbench offerings enable continuous testing for 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 V9.2.1

The modern enterprise deploys applications and multichannel web experiences at a rapid cadence to reach new customers and business opportunities. These applications are connected to corporate systems through a wide variety of front-end technologies, middleware, and integration platforms. As a part of the Rational Solution for Test Automation suite, Rational Test Workbench V9.2.1 helps your business move testing to the cloud.

Docker images and Helm charts can be downloaded to enable the use of the test execution engines in Kubernetes-based clouds such as IBM Cloud™ Private. You can scale your deployments more easily, taking advantage of the benefits of parallel execution to increase the speed of deliveries, and using virtual services in discrete containers for more flexibility.

As the points of integration across the Rational Test Workbench product set expand, IBM moves to a server-based framework for gathering statistical measurements about the environments in which tests are executed.

Rational Performance Tester is the first of the Rational Test Workbench suite of offerings to take advantage of a new capability that ties test failures to specific environmental issues, such as low memory. This can give test teams greater insight into root cause of issues and enable them to provide not just problem identification, but potential solutions. A new statistics capture icon appears in the Rational Test Control Panel application, enabling users to quickly begin configuring and using this capability.

Rational Test Control Panel features new interfaces that are purpose-built for users of service virtualization functions. These interfaces provide new views on the infrastructure that runs virtual services, the network rules used for routing, and a new view of virtual services and the environments in which they run. With this release, virtual services are managed by the system. For example, if an instance of Rational Test Virtualization Server is restarted, all of its virtual services are restarted with it.

Rational Test Virtualization Server introduces the capability to virtualize IBM MQ on mainframe through transmission queues, enabling testers (that are working on distributed code) to implement an MQ server on the distributed side and completely remove their reliance on the mainframe. This streamlines processes to help organizations that work with mainframe environments to manage their MIPs more efficiently.

For clients with mobile apps to test, **Rational Functional Tester** now includes enhanced integration with Perfecto Mobile to simplify the construction of test cases if users are not confident with Appium. In addition, the dependency on a third-party mobile app for testing web content on mobile is removed, enabling users to test their web applications directly on Chrome, Safari, or on a mobile device.

Key prerequisites

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

For details, see the Software requirements section.

Planned availability date

September 27, 2018

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 additional information about IBM Rational Solution for Test Automation, see Software Announcement 217-141, dated March 14, 2017.

Program number

Program number	VRM	Program name
5725-G79	9.2.1	IBM Rational Test Workbench
5725-G94	9.2.1	IBM Rational Test Virtualization Server
5725-G93	9.2.1	IBM Rational Performance Test Server
5724-J96	9.2.1	IBM Rational Performance Tester
5724-S34	9.2.1	IBM Rational Service Tester for SOA Quality
5724-G25	9.2.1	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 above)

Linux

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

Microsoft™ Windows

- 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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Product: IBM Rational Test Workbench (5725-G79)

Product: IBM Rational Test Virtualization Server (5725-G94)

Product: IBM Rational Performance Test Server (5725-G93)

Product: IBM Rational Performance Tester (5724-J96)

Product: IBM Rational Service Tester for SOA Quality (5724-S34)

Product: IBM Rational Functional Tester (5724-G25)

Passport Advantage

Part description	Part number
IBM Rational Test Virtualization Server Concurrent Virtual Services 25 Item License + SW Subscription & Support 12 Months	D20V2LL
IBM Rational Test Virtualization Server Concurrent Virtual Services 25 Item Annual SW Subscription & Support Renewal 12 Months	E0PN9LL
IBM Rational Test Virtualization Server Concurrent Virtual Services 25 Item SW Subscription & Support Reinstatement 12 Months	D20V3LL
IBM Rational Test Virtualization Server Concurrent Virtual Services for IBM Z$^{(R)}$ 25 Item SW Subscription & Support Reinstatement 12 Months	D20V6LL

Part description	Part number
IBM Rational Test Virtualization Server Concurrent Virtual Services for IBM Z 25 Item License + SW Subscription & Support 12 Months	D20V5LL
IBM Rational Test Virtualization Server Concurrent Virtual Services for IBM Z 25 Item Annual SW Subscription & Support Renewal 12 Months	E0PNALL

Charge metric

The charge metrics for these licensed products can be found in the following License Information documents:

Program name	PID number	License Information document number
IBM Rational Test Workbench	5725-G79	L-PASH-B3XHWU
IBM Rational Test Virtualization Server	5725-G94	L-PASH-B3XJ3T
IBM Rational Performance Test Server	5725-G93	L-PASH-B3XJ2Z
IBM Rational Performance Tester	5724-J96	L-PASH-B3XHZ6
IBM Rational Service Tester for SOA Quality	5724-S34	L-PASH-B3XJ94
IBM Rational Functional Tester	5724-G25	L-PASH-B3XJ22

Select your language of choice and scroll down to the Charge Metrics section.

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License Information number

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-B3XHWU
5725-G94	IBM Rational Test Virtualization Server	L-PASH-B3XJ3T
5725-G93	IBM Rational Performance Test Server	L-PASH-B3XJ2Z
5724-J96	IBM Rational Performance Tester	L-PASH-B3XHZ6
5724-S34	IBM Rational Service Tester for SOA Quality	L-PASH-B3XJ94
5724-G25	IBM Rational Functional Tester	L-PASH-B3XJ22

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Volume orders (IVO)

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Variable charges apply

No

Educational allowance available

Not applicable.

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