



IBM Rational ClearCase and IBM Rational ClearQuest V9.0 deliver enterprise collaborative change and configuration management solution enhancements for software and systems development teams

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Overview

Version 9.0 of IBM^(R) Rational^(R) ClearCase^(R) and IBM Rational ClearQuest^(R) is the latest major release of the market-leading, IBM enterprise change and configuration management software. This latest release delivers new and innovative capabilities with a strong focus on developer and team productivity and allows integration with systems and application lifecycle management to help software and system development organizations to:

- Develop complex software and systems faster and with improved quality.
- Manage development complexity through team collaboration.
- Adopt flexible development processes Reduce cost of administration while ensuring security.
- Build on current investments and realize seamless application lifecycle integrations.
- Improve collaboration and stakeholder involvement throughout the development lifecycle.
- Realize a globally integrated enterprise that responds rapidly to business needs.

Key prerequisites

Supports Microsoft[™] Windows[™] operating systems.

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

Planned availability date

March 17, 2016

Description

Rational ClearCase V9.0

Version 9.0 delivers the foundation for thread safety in Rational ClearCase core libraries that allow future releases to include multithreaded performance enhancements to registry, view, and Versioned Object Base (VOB) servers in addition to the ClearCase Local Client (CCLC). This release also delivers smart card support for the ClearCase Remote Client (CCRC). This solidifies ClearCase as the most secure software configuration management (SCM) system in the marketplace. Version 9.0 additionally includes enhancements to the ClearCase - Cadence Virtuoso integration to allow more control when using the MultiSite solution and also a visual compare or contrast tool for schematic diagrams. In addition to these capability highlights, this release also provides cumulative features from earlier and minor releases that delivered:

- Increased VOB size limits
- Enhancements to the Cadence Virtuoso integration
- ClearTeam Explorer enhancements
- Automatic views
- Unified Change Management(UCM) enhancements
- Change Management Integration enhancements (including JIRA support)

Rational ClearQuest

ClearQuest V9.0 delivers a performance feature that avoids the overhead of loading back references on a record until requested. Support for Java™ 8 was also added. Additionally, this release also provides cumulative features from earlier, minor releases that delivered functionality, such as:

Usability enhancements

- Tree view with query results
- In-line editing
- Type-ahead
- Support for the SQL editor
- In-line record creation and cloning
- Support for editing dynamic lists
- Support for immediate execution of value change hooks when the field value is changed

Security enhancements

- Support for TLS 1.1 and TLS 1.2 for LDAP authentication
- Support for FIPS-140-2
- Disabled SSLv3 for LDAP authentication by using SSL
- Enhanced security against password attacks

Integration improvements

- Open Services for Lifecycle Collaboration (OSLC) integrations in a load-balanced ClearQuest web deployment
- Limited support for OSLC global configuration management

New feature level 8 and database metaschema version 23 to add support for the following:

- Addition of user hooks for log on and log off events to enable customization of a schema to respond to such events
- Ability to specify the ClearQuest client versions that are allowed to log on to a ClearQuest user database
- Addition of extension to the maximum field length for the attachment file name, user name, group name, and database server name

New feature level 9 to add support for the following to:

- Suppression of record histories
- Defer loading of record histories

Core error messages and folder names that are available in French

Package updates

- Attachments package V2.2
- EmailPlus package V2.2

Deployment scripts for configuring the ClearQuest Reporting Driver with BIRT server runtime 3.7 and later

Together, Rational ClearCase and Rational ClearQuest V9.0 continue to maintain market leadership by delivering a strong suite of enterprise collaborative change and configuration management capabilities to help organizations transform their software and systems development and delivery to realize stronger business outcomes.

Accessibility by people with disabilities

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

Program number

Program number	VRM	Program name
5724-G36	9.0.0	IBM Rational ClearQuest
5724-G29	9.0.0	IBM Rational ClearCase

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](#).

Technical information

Specified operating environment

Hardware requirements

Disk space

- AIX^(R)
 - Full-feature installation requires 1.63 GB.
 - Client-only install requires 991 MB.
- Solaris
 - Full-feature installation requires 1.46 GB.

- Client-only install requires 894 MB.
- Linux™
 - Full-feature installation requires 1.49 GB.
 - Client-only install requires 883 MB.

Memory: ClearQuest Web Server requires 8 GB RAM and 80 GB hard disk space. Additional ClearQuest processes or servers that are located on this machine (such as, license, database, or others) require additional resources.

Processes and file descriptors per host, which run Linux or the UNIX™ system, are set as kernel parameters: 600 file descriptors per host (not per process) that run on Linux or UNIX system

Network: Adapters, drivers, and protocols

- Wireless 802.11g Wired connectivity 100MB Full Duplex (recommended)
- Wired connectivity to other ClearQuest Servers 100MB Full Duplex (Gigabit recommended)

Processor:

- Quad Core/CPU 128 processes on hosts that run on Linux or UNIX system
- Minimum 1.5 GHz processor

Software requirements

AIX

- AIX 6.1 TL7+ POWER^(R) System - Big Endian
- AIX 7.1 TL3+ POWER System - Big Endian

HP: HP-UX 11i v3 IA64

Linux

- Red Hat Enterprise Linux (RHEL) Client 6 x86-64
- Red Hat Enterprise Linux (RHEL) Workstation 6 x86-32
- Red Hat Enterprise Linux (RHEL) Workstation 6 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 x86-32
- Red Hat Enterprise Linux (RHEL) Server 6 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 POWER - Big Endian
- Red Hat Enterprise Linux (RHEL) Server 6 IBM z™ Systems
- Red Hat Enterprise Linux (RHEL) Client 7 x86-64
- Red Hat Enterprise Linux (RHEL) Workstation 7 x86-64
- Red Hat Enterprise Linux (RHEL) Server 7 x86-64
- Red Hat Enterprise Linux (RHEL) Server 7 POWER - Big Endian
- Red Hat Enterprise Linux (RHEL) Server 7 IBM z Systems
- SUSE Linux Enterprise Desktop (SLED) 11 SP2+ x86-64
- SUSE Linux Enterprise Server (SLES) 11 SP2+ x86-32
- SUSE Linux Enterprise Server (SLES) 11 SP2+ x86-64
- SUSE Linux Enterprise Server (SLES) 11 POWER - Big Endian
- SUSE Linux Enterprise Server (SLES) 11 IBM z Systems
- SUSE Linux Enterprise Desktop (SLED) 12 x86-64
- SUSE Linux Enterprise Server (SLES) 12 x86-64
- SUSE Linux Enterprise Server (SLES) 12 IBM z Systems

- Ubuntu 14.04 LTS X86-64

Solaris

- Solaris 10 Update 9+ SPARC
- Solaris 10 Update 9+ X86-64
- Solaris 11 SPARC
- Solaris 11 X86-64

Windows

- Windows 7 SP1 Enterprise x86-32
- Windows 7 SP1 Enterprise x86-64
- Windows 7 SP1 Professional x86-32
- Windows 7 SP1 Professional x86-64
- Windows 7 SP1 Ultimate x86-32
- Windows 7 SP1 Ultimate x86-64
- Windows 8 Enterprise x86-32
- Windows 8 Enterprise x86-64
- Windows 8 Professional x86-32
- Windows 8 Professional x86-64
- Windows 8 Standard x86-32
- Windows 8 Standard x86-64
- Windows 8.1 Enterprise x86-32
- Windows 8.1 Enterprise x86-64
- Windows 8.1 Professional x86-32
- Windows 8.1 Professional x86-64
- Windows 8.1 Standard x86-32
- Windows 8.1 Standard x86-64
- Windows 10 Enterprise x86-32
- Windows 10 Enterprise x86-64
- Windows 10 Professional x86-32
- Windows 10 Professional x86-64
- Windows Server 2012 Datacenter Edition x86-64
- Windows Server 2012 Essentials Edition x86-64
- Windows Server 2012 Standard Edition x86-64
- Windows Server 2012 R2 Datacenter Edition x86-64
- Windows Server 2012 R2 Essentials Edition x86-64
- Windows Server 2012 R2 Standard Edition x86-64

Mac OS: OS X Lion 10.7 x86-64

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.

Planning information

Packaging

IBM Rational ClearCase

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Ordering information

Product

IBM Rational ClearCase (5724-G29)

IBM Rational ClearQuest (5724-G36)

Passport Advantage

Charge metric

Program name	PID number	Charge metric
IBM Rational ClearCase	5724-G29	Per Floating User
IBM Rational ClearQuest	5724-G36	Per Authorized User

Floating User

Floating User is a unit of measure by which the Program can be licensed. A Floating User is a person who is accessing the Program at any particular point in time. An Install is an installed copy of the Program on a physical or virtual disk made available to be executed on a computer. The Program may be installed on any number of computers or servers, but if the Floating User simultaneously accesses more than one Install of the Program, the Floating User requires a separate entitlement for each such Install. Licensee must obtain separate entitlements for each Floating User simultaneously accessing the Program on each Install in any manner directly or indirectly (for example: via a multiplexing program, device, or application server) through any means.

Note: Some programs may be licensed where devices are considered users. In that case the following applies: Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the Program or that is otherwise managed by the Program is considered a separate User of the Program and requires an entitlement as if that device were a person.

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Authorized User is a unit of measure by which the Program can be licensed. An Authorized User is a unique person who is given access to the Program. The Program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the Program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User given access to the Program in any manner directly or indirectly (for example: via a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

Note: Some programs may be licensed where devices are considered users. In that case the following applies: Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the Program or that is otherwise managed by the Program is considered a separate User of the Program and requires an entitlement as if that device were a person.

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License Information number

Product name	VRM	LI number
IBM Rational ClearCase	9.0.0	L-ELUN-A4KPSN
IBM Rational ClearQuest	9.0.0	L-ZHZH-A58JYX

See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

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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

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the [Passport Advantage and Passport Advantage Express](#) website.

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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Prices

Business Partner information

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For all local charges, contact your IBM representative.

Passport Advantage

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AP distribution

Country/Region	Announced
AP IOT	
ASEAN *	Yes
India/South Asia **	Yes

Country/Region	Announced
Australia	Yes
Hong Kong	Yes
Macao SAR of the PRC	Yes
Mongolia	Yes
New Zealand	Yes
People's Republic of China	Yes
South Korea	Yes
Taiwan	Yes
Japan IOT	
Japan	Yes

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Corrections

(Corrected on April 5, 2016)

The Software requirements section is revised.