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

Overview

Version 9.0 of IBM® Rational® ClearCase® and IBM Rational ClearQuest® 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.

For ordering, contact your IBM representative or an IBM Business Partner. For more information, contact the Americas Call Centers at: 800-IBM-CALL (426-2255).
Reference: SE001

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

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Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage™ and Passport Advantage Express™ 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**

- **AIX**
  - 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 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

IBM Rational ClearQuest

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**Ordering information**

**Product**

IBM Rational ClearCase (5724-G29)

IBM Rational ClearQuest (5724-G36)

**Passport Advantage**

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No

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**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Not applicable.

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**Corrections**

*(Corrected on April 5, 2016)*
The Software requirements section is revised.