HCL DevOps Code ClearCase

Version 11.0.0

System Requirements

Contents

Operating systems support for HCL DevOps Code ClearCase

Operating Systems	Hardware	Hardware and Software Requirements	Updates	Notes
RHEL 8	x86-64	See the Hardware and Network minimum requirements table.	Update 0-9	• 64-bit HCL DevOps Code ClearCase offering. • See technote 887639 for information on how to configure your RHEL 8 system. • XFS is supported.
RHEL 9			Update 0-3	• 64-bit HCL DevOps Code ClearCase offering. • See technote 6600045 for information on how to configure your RHEL 9 system. • XFS is supported.
SLES/D 15			Update 0-5	• 64-bit HCL DevOps Code ClearCase offering. • See technote 718343 to configure your SLES/D 15 system prior to installing HCL DevOps Code ClearCase. • BTRFS should not be used for view storage, see technote 562519. • XFS is supported.
Windows 10			Version 1803 (April 2018 Update) - 22H2 (Oct 2022 Update), LTSC 2021	• 64-bit HCL DevOps Code ClearCase offering. • See technote 559153 for limitations with Windows 10.
Windows 11			Initial - 23H2 (Oct 2023 Update)	• 64-bit HCL DevOps Code ClearCase offering. • See technote 559153 for limitations with Windows 11.

Operating Systems	Hardware	Hardware and Software Requirements	Updates	Notes
Windows Server 2019	x86-64	See the Hardware and Network minimum requirements table.	All updates	• 64-bit HCL DevOps Code ClearCase offering. • See technote 559153 for limitations with Windows Server 2019.
Windows Server 2022			All updates	• 64-bit HCL DevOps Code ClearCase offering. • See technote 559153 for limitations with Windows Server 2022.
Ubuntu 22.04			Update 0-03	• For Update 1, the generic kernel is supported. • For Update 3, both the generic (5.19.0-32) and HWE (6.2.0-26) kernels are supported. • See technote 281031 for information on how to configure your Ubuntu system.
Solaris 11			Update 0-4	• 64-bit HCL DevOps Code ClearCase offering. • Solaris bare metal, NGZ, GZ, KZ, and Sol 10 BZs on Sol 11 are supported. • To review restrictions for Solaris, see technote 82445. • To learn how to deploy on Solaris zones, see Deploying HCL DevOps Code ClearCase on Solaris zones. • Includes support for Solaris kernel zones on Solaris 11 Update 2 and later. • For required layered software packages, see technote 477033.

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Operating Systems	Hardware	Hardware and Software Requirements	Updates	Notes
Solaris 10	SPARC	See the Hardware and Network minimum requirements table.	Update 9-11	• 64-bit HCL DevOps Code ClearCase offering. • Solaris bare metal, NGZ, and GZ are supported. • Solaris 8 BZ on Solaris 10 is supported. • To review restrictions for Solaris, see technote 82445. • To learn how to deploy on Solaris zones, see Deploying HCL DevOps Code ClearCase on Solaris zones. • Layered software packages required by HCL DevOps Code ClearCase are: o SUNWsprot (SPARC compilers, bundled tools; includes default make.rules file) o SUNWbcp (Binary compatibility) o SUNWscpr (Source compatibility, root) o SUNWscpu (Source compatibility, user) o SUNWmfrun (Motif Runtime kit to run HCL DevOps Code ClearCase GUIs)
Solaris 11			Update 0-4	• 64-bit HCL DevOps Code ClearCase t offering. • Solaris bare metal, NGZ, GZ, KZ, and Sol 10 BZs on Sol 11 are supported. • To review restrictions for Solaris, see technote 82445. • To learn how to deploy on Solaris zones, see Deploying HCL DevOps Code ClearCase on Solaris zones. • Includes support for Solaris kernel zones on Solaris 11 Update 2 and later. • For required layered software packages, see technote 477033.

Prerequisites

Capability	Prerequisite	Version	Notes
Application Servers	IBM WebSphere Application Server	8.5.5 and future fix packs, 9.0.5.8 and future fix packs	Windows and Linux x86_64 only
	Tomcat	8 and future fix packs, 9 and future fix packs	Windows and Linux x86_64 only
Installation	IBM Installation Manager	1.9.1 and future fix packs, 1.9.2 and future fix packs	See technote 468949 for information on IM console mode functionality.
Licensing	Atria		Hosted in your environment. Requires licenses issued by the HCL License Fulfillment team. For HCL DevOps Code ClearCase 11.0.0, the licensing strings have changed. To continue using existing HCL Atria licenses, configure your license server as per the HCL DevOps Code ClearCase 11.0.0 Update Guide.
Web Servers	IBM HTTP Server	8.5.5 and future fix packs, 9.0.5.8 and future fix packs	Windows and Linux x86_64 only

Supported software

Capability	Software	Version	Notes
Configuration Management	DevOps Code ClearCase MultiSite	11.0.0	DevOps Code ClearCase and DevOps Code ClearCase MultiSite versions must match exactly.
Development Tools	HCL Compass	2.2.5	Integration support is offered through the OSLC integration.
	Rational ClearQuest	10.0.5	
	Cadence Design Framework	IC23.1	HCL DevOps Code ClearCase 11.0.0 integration with Cadence Virtuoso IC23.1 is supported on RHEL 8. **Note**: Cadence versions IC617, IC618, and ICADVM 20 are not supported as they require RHEL 7.
	GSKit	8.0.*m.n*	8.0.55.26 and future fix packs
	Microsoft Visual Studio	2017, 2019, and 2022	
	Rational Application Developer for WebSphere Software	9.6.1.1 and future fix packs, 9.7.0 and future fix packs	Windows and Linux x86_64 only
	Rational Software Architect	9.7.0 and future fix packs	Windows and Linux x86_64 only

Capability	Software	Version	Notes
Eclipse Runtime Environment	IBM Eclipse	4.6 4.7 4.8 4.15 4.19 4.23	• HCL ClearTeam Explorer is built on Eclipse 4.23. It requires GTK+ 3.22 (or later). • HCL ClearTeam Explorer for Eclipse IDE is compatible with Eclipse versions 4.6, 4.7, 4.8, 4.15, 4.16, 4.22, 4.23, 4.25. • HCL ClearTeam Explorer Extension is compatible with HCL products built using Eclipse versions 4.6, 4.7, 4.8, 4.15, 4.16, 4.22, 4.23, 4.25.
File Servers	Samba	4.14.4 and future fix packs, 4.17.2 and future fix packs 4.18.0 and future fix packs	
Installation	IBM Installation Manager	1.9.1 and future fix packs, 1.9.2 and future fix packs	See technote 468949 for information on IM console mode functionality.
Java SDK	OpenJDK Java SDK/JRE	11	• Install Java before installing HCL DevOps Code ClearCase. • HCL DevOps Code ClearCase is tested with Adoptium Java.
NFS Clients	Open Text NFS Client	14.0.0.365	
	Open Text NFS Solo	14.0.0.365	
Terminal Services	Citrix Virtual Apps and Desktops	7.2203 LTSR	
	Citrix XenDesktop	7.6 LTSR	

Hardware and network minimum requirements

Component(s)	Processor	Memory/Disk	Network
ClearCase Server hosts	4 CPUs (quad-core) 128 processes on hosts running Linux or the UNIX system. Additional ClearCase processes or servers (such as license, registry, VOB or other) requires additional resources.	8 GB RAM is minimum. 80 GB hard disk space Additional ClearCase processes or servers (such as license, registry, VOB or other) requires additional resources. Any host that has VOB or view storage directories must have enough disk space to contain the files and databases used for storage of VOB or view storage directories. The amount of space required depends on the characteristics and use of the VOBs and views.	Wired connectivity of 100 MB full-duplex is minimum, 1 Gigabit is recommended.
Dedicated ClearCase WAN Server[1] [2] ClearCase or Compass Web applications installed	4 CPUs (quad-core) 128 processes on hosts, running Linux or the UNIX system.	8 GB RAM 80 GB hard disk space 600 file descriptors per host (not per process), running Linux or the UNIX system. If the ClearCase WAN server is to host more than a single WAS profile (for example, ClearCase, Compass, Requisite Pro), then additional resources are required.	Wired connectivity to other ClearCase Servers with a 100 MB full-duplex at a minimum, 1 Gigabit is recommended.

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[1] For more detailed configuration information, refer to technote 365695.
[2] Additional ClearCase processes or servers located on this machine (such as license, registry, VOB, or others) requires additional resources.

Component(s)	Processor	Memory/Disk	Network
ClearCase client hosts	2 CPUs (dual-core) is minimum, 4 CPUs (quad-core) is recommended.	2 GB RAM is minimum. 4 GB RAM is recommended for Development machines. For hard disk space, see footnote[3]. Additional allowances are made for other applications that runs on clients such as browsers, IDEs, compilers, and so on.	Wireless 802.11g is minimum. Wired connectivity of 100 MB full-duplex is recommended.
ClearTeam Explorer or ClearTeam Explorer for Eclipse IDE and ClearTeam Explorer Extension	1-2 CPUs	RAM - 2-3 GB (recommend setting for Eclipse Heap Size is at 1 Gigabyte) For hard disk space, see footnote[3]. Additional disk space is required for the local copy area and is dependent upon the number of views created and the size of the files loaded.	Wireless 802.11g is minimum. Wired connectivity of 100 MB full-duplex is recommended.

Note: Processes and file descriptors per host running Linux system are set as kernel parameters.

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[3] Minimum disk space is 2 GB for a full install of HCL DevOps Code ClearCase. Space is needed for files in ClearCase views. This includes source files in the project(s) and build output files. Each view requires disk space. Thus, the amount of parallel development (indicating the number of views needed) multiplied by the size of files in the projects and build output dictates additional disk space requirements. Dynamic views and automatic views might reduce the per-view space requirements. As a general guide, we have found 40 GB to be adequate for many client machines.