

HCL VersionVault
Version 2.0.0

Product Release Notes



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Release notes for HCL VersionVault

These release notes contain the information that you need to get started with HCL VersionVault.

HCL VersionVault 2.0.0 is a full 64-bit release that includes the 64-bit userspace for all VersionVault executables. VersionVault and multiversion file system (MVFS) have always supported 64-bit hardware. VersionVault 2.0.0 can be installed on Windows and Linux platforms on x86_64 hardware. See the System Requirements document for a list of the operating systems supported by VersionVault.

Products

- HCL VersionVault

Documentation

- Information Center (online help) for HCL VersionVault

Notes:

- References to UNIX in the help documentation do not mean that HCL VersionVault is supported on the UNIX operating system; it is not. Any references to "UNIX" by itself, "UNIX and Linux," "UNIX/Linux," or any other variation mean Linux, which is supported by VersionVault. See the System Requirements document for a list of the operating systems supported by VersionVault.
- HCL VersionVault 2.0.0 supports only Visual Studio .Net (VS.NET) 2019; it always uses the VersionVault Explorer based user interface. Any references in the help documentation to the integration of VersionVault and VS.NET through any other VersionVault clients or GUIs are not supported.

Prerequisites

See the System Requirements document for a list of what is supported by HCL VersionVault.

- For Atria Licensing, you should have received Atria license strings from the HCL License Fulfillment team.
- For HCL Licensing, you should have received a software order acknowledgment letter along with the product software. This letter contains instructions on how to access the HCL License & Delivery Portal and to activate your entitlements. Additionally, the letter describes how to create a license server and to add entitlements to it when you use HCL Licensing.
- IBM Installation Manager, version 1.8.6 or later.
- For a local HCL License Server on Linux, RHEL version 7.3 or later is required.
- If you are migrating to HCL VersionVault from IBM Rational ClearCase, see the *HCL VersionVault Migration Guide*.

Important: If you are migrating to HCL VersionVault from IBM Rational ClearCase, see the migration guide provided with the download of the HCL VersionVault product before you try to install the product. You must uninstall the ClearCase products before installing VersionVault. The VersionVault and ClearCase products cannot be installed on the same system. Additionally, VersionVault WAN server cannot share a load balancer across brands.

- Java, version 8 or later. Ensure that the path to your java bin or jre bin directory (containing the Java executable and other Java tools) has been added to the PATH environment variable. For the HCL VersionVault installation, you must have a 64-bit Java Runtime Environment (JRE) compatible with Java 8 installed before you install VersionVault. During the installation of VersionVault, you must set the path to the java executable in your JRE installation if you plan to use any of the Java-based components for the product. See the list of Java-based components on the installation panel. VersionVault does not ship with its own JRE, but instead uses a JRE that is already installed on your system. If you do not have a JRE already, you can obtain one from AdoptOpenJDK at <https://adoptopenjdk.net/>.

Tip: For the initial installation of a JRE, install it in a folder of your choice with a folder name that does not identify the version number for the Java. As an example, use a folder name like "jdk" instead of "jdk_v8.0." Later, when you want to install a new updated Java (as an example, jdk_v8.5), install the updated Java into the same file system location as the initial Java. Then no reconfiguration of VersionVault will be needed because of a new JRE.

Important: For HCL VersionVault on Windows, you must unpack the JRE locally. You cannot use a network share pathname to access the JRE. During the installation process for HCL VersionVault, you must enter the path to your JRE.

Getting started

Note: All downloads are available from the HCL License & Delivery Portal unless otherwise noted.

1. Download and review the System Requirements document.
2. Download and extract the applicable Information Center for your system, preferably onto a server that is available 24/7.
 - a. Before you can run the Information Center, verify that you have installed Java 8 or later, and that the path to your java bin or jre bin directory has been added to the PATH environment variable.
 - b. Start the Information Center by running either the IC_start.bat (Windows) or IC_start.sh command (Linux). See the readme.txt file that is provided with the help package.
 - c. To view the Information Center, open a web browser and enter <http://your-server-host:9096/help/index.jsp>. The 9096 port number is specifically for VersionVault.
3. Download IBM Installation Manager, version 1.8.6 or later, and the IBM Packaging Utility. IBM Installation Manager is required to install each HCL product.
4. Download your HCL product and extract the images on your computer. You must specify the location of each extracted product download to IBM Installation Manager.

5. If you plan to use a local license server for HCL Licensing, you need the following information:
Note: If you plan to install an FNE local license server, see the instructions provided with that capability or contact HCL Customer Support for the latest instructions.
 - a. Ask your local license server administrator for the protocol (http or https), local server name, and port number for your license server. Compose the server URL from these values, such as: `http://localservername:portnumber`
 - b. If using https, and the server's certificate is signed by a private certificate authority (CA), get the certificate authority's root certificate in PEM (base-64) format.

6. Use IBM Installation Manager and the instructions in the help to install one or more HCL products. See the online help about using IBM Installation Manager to install the product.
 - a. For the Java Installation Directory panel of the installation process: Enter the path to the java executable that is installed on your system. For more information about the Java requirement for HCL VersionVault, see [Prerequisites](#).
 - b. On the Common Configurations panel of the installation process, in the **HCL Licensing** section:
Note: For more detailed instructions, see the "Configure HCL Licensing" topic in the help.
 - If you plan to use a **cloud** license server, enter your license server URL in the **License Server URL** field, and your license server ID in the **License Server ID** field. See also the instructions that you received on the software order acknowledgment letter.
 - If you plan to use a **local** license server, enter the local license server URL in the format: `http://localservername:portnumber`
Also, see step 7.
 - c. On the Common Configurations panel, for the **Configure Atria Licensing for VersionVault** section, be aware that when Atria Licensing is enabled then HCL Licensing is disabled for HCL VersionVault. HCL VersionVault and HCL Compass can share the same HCL Licensing server, therefore you would still enter HCL Licensing information for your HCL Compass installation, if appropriate.
Note: For more detailed instructions, see the "Configure Atria Licensing for VersionVault" topic in the help.
 - On a **remote** host: Enter the name for the remote host in the **Enter remote host name (required)** text box.
 - On my **local** host: Enter the license key for the local host in the **Enter license keys (required)** text box.

- d. For the Asynchronous License Acquisition component in the features list:
 - With asynchronous license acquisition, VersionVault does not wait for a response from the license server. When a response arrives, the result is processed by a background process. If the result is a failure, then the next license request from VersionVault displays an error message. Asynchronous licensing is faster for the end-user in the normal case where a license is available. For more information about this licensing method, see the online help.
 - With synchronous license acquisition, VersionVault waits for a response from the configured license server. Any license error messages (license expired, all licenses in use, or similar) displays directly to the user.
7. Only when using a local license server for HCL Licensing and private CA: After installing HCL VersionVault, modify the license configuration if you use a CA root certificate for the license server:
 - a. Stop the VersionVault service:
 - On Linux: `/opt/hcl/ccm/versionvault/etc/versionvault stop`
 - On Windows: Windows Control Panel, select **VersionVault > Services Startup > Stop VersionVault**
 - b. Install the CA root certificate for the license server: Append the PEM-encoded CA root to:
 - On Windows: `vvault-home\var\config\cacert.pem`
 - On Linux: `/var/adm/hcl/versionvault/config/cacert.pem`.
 - c. Start the VersionVault service:
 - On Linux: `/opt/hcl/ccm/versionvault/etc/versionvault start`
 - On Windows: Windows Control Panel, select **VersionVault > Services Startup > Start VersionVault**

When you use VersionVault, it periodically connects to the HCL License Portal to check out or renew a license. If a license is not available, an error message is displayed.

For additional information about HCL Licensing, see the licensing topics in the help.

About references

Note the following information about references:

- When you are referred to see “technote *number*,” search on the web for that phrase without the quotation marks to find that technote.
- Technotes and other documents might mention file paths and environment variables that are not correct for HCL VersionVault. The following tables show equivalent file path names and environment variables for VersionVault.

The following table shows equivalent file path names for HCL VersionVault.

File path name	HCL VersionVault equivalent
C:\Program Files (x86)\IBM\RationalSDLC\ClearCase	C:\Program Files\HCL\CCM\VersionVault
C:\Program Files (x86)\IBM\IMShared	C:\Program Files\HCL\IMShared, or C:\Program Files\IBM\IMShared
C:\ProgramData\IBM\Rational.preserve	C:\ProgramData\IBM\Rational.preserve
/opt/IBM/RationalSDLC	/opt/hcl/ccm
/opt/IBM/IMShared	/opt/hcl/IMShared, or /opt/ibm/IMShared
/opt/rational/clearcase	/opt/hcl/ccm/versionvault
/var/adm/rational/clearcase	/var/adm/hcl/versionvault
/var/adm/atria	/var/adm/hcl/versionvault

Note: For the path to IMShared, whether it is to "HCL" or "IBM" depends on if you have ever used IBM Installation Manager before you install VersionVault. If you are using Installation Manager for the first time when you install VersionVault, then the path is to "HCL." If you have used Installation Manager before, then the path is to "IBM."

The following table shows equivalent environment variables for HCL VersionVault.

Environment variable	HCL VersionVault equivalent
ATRIAHOME	CLEARCASEHOME
ATRIA_FORCE_GUI	CCASE_FORCE_GUI

Note: While ATRIAHOME and CLEARCASEHOME both work for IBM releases, only CLEARCASEHOME works for HCL releases. Similarly, ATRIA_FORCE_GUI and CCASE_FORCE_GUI both work for IBM releases, but only CCASE_FORCE_GUI works for HCL releases. Therefore, customers should change to use CLEARCASEHOME and CCASE_FORCE_GUI while still running IBM releases, before migrating to HCL releases.

Known problems

The following known problems exist in this release:

- If you are using the VersionVault Explorer for Eclipse IDE, you must import the project set file (.psf) from the source repository to your workspace.

If the .psf file is not part of the source repository, you can place the .psf file in your view as a private file and import it to your workspace.

- When you uninstall the VersionVault Remote Client Standalone offering, it leaves behind *install_dir/ccm/VersionVault/RemoteClient/configuration/config.ini* on Linux and *install_dir\HCL\CCM\VersionVault\RemoteClient\configuration\config.ini* on Windows. To avoid a problem with the next installation of the offering, delete the applicable ccm or CCM directory.

Support

For technical support, contact HCL Customer Support at <https://support.hcltechsw.com/csm>, and in addition to providing details for your issue, also provide the following information:

- Your name, company name, telephone number, and email address
- Your operating system, version number, and any service packs or patches that you have applied
- Product name and release number
- Your Support Ticket Number (if you are following up on a previously reported problem)

For blogs, forums, and more for VersionVault, go to the HCL Software website at <https://www.hcltechsw.com/wps/portal>.

To report a problem or provide feedback about the online help, send email to HCLVersionVault_Feedback@hcl.com.