

HP Version Control Release Notes

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Typographic Conventions

We use the following typographical conventions.

audit(5) HP-UX manpage. *audit* is the name and 5 is the section in the *HP-UX Reference*. On the web and on the Instant Information DVD, it can be a hot link to the manpage itself. From the HP-UX command line, you can enter "man *audit* " or "man 5 *audit* " to view the manpage. See *man*(1).

<i>Book Title</i>	Title of a book. On the web and on the Instant Information DVD, it can be a hot link to the book itself.
Command	Command name or qualified command phrase.
ComputerOut	Text displayed by the computer.
<i>Emphasis</i>	Text that is emphasized.
Emphasis	Text that is strongly emphasized.
KeyCap	Name of a keyboard key. Note that Return and Enter both refer to the same key.
Term	Defined use of an important word or phrase.
UserInput	Commands and other text that you type.
<i>Variable</i>	Name of a variable that you can replace in a command or function or information in a display that represents several possible values.
[]	Contents are optional in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
{ }	Contents are required in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
...	Preceding element can be repeated an arbitrary number of times.
	Separates items in a list of choices.

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1 What's New?

This chapter lists what is new for the HP Version Control Agent and HP Version Control Repository Manager releases.

HP Version Control Agent (VCA) adds the following enhancements with the current release:

- Adds operating system support to include:
 - Red Hat Enterprise Linux 5 for x86
 - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T
 - Red Hat Enterprise Linux 5 for AMD64 and x86
 - Windows Server 2003 with Service Pack 2

2 Features and change notification

The VCRM and the VCA are integrated with the SMH, which is the standard single-server management tool in the ProLiant Essentials Foundation Pack. HP Systems Insight Manager (HP SIM), also part of the ProLiant Essentials Foundation Pack, uses the VCRM and the VCA to facilitate software versioning, updates, and related tasks.

VCA features

The VCA provides the following features:

- **Monitor Software.** Monitor software and firmware installed on a server
- **Compare Software Versions.** Provides easy version comparison from the repository to the server on which the VCA is installed
- **Install Software.** Install Custom Software Baselines, ProLiant and Integrity Support Packs, or individual software components

VCRM features

- **Manage Software.** Manage software from HP that is stored in a repository
- **Automatic Updates.** Proactively receive new HP ProLiant software as it is made available
- **Upload Support Packs.** Upload a Support Pack to the repository from a CD or other accessible media
- **Create Custom Software Baselines.** Create your own software baseline

3 Requirements

VCA for Windows requirements

System requirements

To install the VCA on a Windows system, the system must meet the following minimum requirements.

Supported hardware and software

- Supported operating systems
 - Windows Server 2003 with Service Pack 2
 - Windows Server 2003 R2
 - Windows Server 2003, Service Pack 1
 - Windows Server 2003 ES for 64-bit Extended Systems (starting with the ProLiant Support Pack 7.2 and later)
 - Windows Server 2003 64-bit Enterprise Edition
- Server software
 - TCP/IP installed
 - SMH installed (starting with the ProLiant Support Pack 7.2 and later)
- Hardware
 - ProLiant Server
 - Integrity Server (rx1620, rx2600, rx2620, rx4640, rx5670, rx7620, rx8620, Superdome)
- Disk space
 - 11 MB on the Windows *SystemDrive*
Note: The VCA installer can require up to 12 MB of additional free space on your Windows *SystemDrive* to complete the installation.
- System memory
 - 256 MB of RAM for Windows Server 2003
 - 256 MB of RAM for Windows 2003 Server ES for 64-bit Extended Systems (starting with the ProLiant Support Pack 7.2 and later)
 - 256 MB of RAM for Windows 2003 Server 64-bit Edition (starting with the ProLiant Support Pack 7.2 and later)

Client requirements

Requirements for client access to the VCA are outlined.

Hardware and software

- Operating system
 - Windows Server 2003 with Service Pack 2
 - Windows XP
- Browser
 - Internet Explorer 7.0
 - Internet Explorer 6.0 with Service Pack 1 or later

- Mozilla 1.6 or later
- Firefox 1.0 or later
- System memory
 - 256 MB of RAM for Windows XP or Windows Server 2003

VCA for Linux requirements

System requirements

To install the VCA on a Linux system, the system must meet the following requirements.

Supported hardware and software

- Operating systems
 - Novell Open Enterprise Server (OES) with Service Pack 1 or later
 - Red Hat Enterprise Linux 5 for x86
 - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T
 - Red Hat Enterprise Linux 5 for AMD64 and x86
 - Red Hat Enterprise Linux 4 for x86, Update 2
 - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 2
 - Red Hat Enterprise Linux 3 Update 3 for x86, Update 6
 - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later), Update 6
 - SUSE Linux Enterprise Server 10 for x86
 - SUSE Linux Enterprise Server 10 for AMD64 and Intel EM64T
 - SUSE Linux Enterprise Server 9 for x86, Service Pack 2
 - SUSE Linux Enterprise Server 9 with Service Pack 2 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later)
 - SUSE Linux Enterprise Server 8 for AMD64 (starting with the ProLiant Support Pack 7.2 and later), Service Pack 4
 - UnitedLinux 1.0, Service Pack 4 or later
- Server software
 - SMH (`hpsmh RPM`) installed
 - HP Server Management Application and Agents (`hpasm RPM`) 7.00 or later required for software inventory and status features to be functional
- Hardware
 - ProLiant Server
- Disk space
 - 36 MB
- System memory
 - 256 MB of RAM
- HP Server Management Drivers and Agents
 - `hpasm RPM` 7.0 or later

Note: The SNMP services must be active with at least one community string defined to allow read access, must be configured for software inventory and status features to be functional.

Client requirements

Requirements for client access to the VCA from Linux operating systems are outlined.

Hardware and software

- Supported Operating Systems
 - Red Hat Enterprise Linux 5 for x86
 - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T
 - Red Hat Enterprise Linux 5 for AMD64 and x86
 - Red Hat Enterprise Linux 4 for x86, Update 2
 - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 2
 - Red Hat Enterprise Linux 3 Update 3 for x86, Update 6
 - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later), Update 6
 - Red Hat Enterprise Linux 2.1 Update 5
 - SUSE Linux Enterprise Server 9 for x86, Service Pack 2
 - SUSE Linux Enterprise Server 9 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later), Service Pack 2
 - SUSE Linux Enterprise Server 8 for AMD64 (starting with the ProLiant Support Pack 7.2 and later), Service Pack 4
 - UnitedLinux 1.0, Service Pack 4
- Browsers
 - Mozilla 1.7 (local or remote access) or later
 - Firefox 1.0 or later
- System memory
 - 128 MB of RAM

Note: You can browse to a Linux server from a Windows system using Internet Explorer 6.0 or higher.

VCRM for Windows requirements

System requirements

To install the VCRM, the computer must meet the minimum requirements listed.

Supported hardware and software

- Operating system
 - Microsoft Windows Server 2003
 - Windows Server 2003 ES for 64-bit Extended Systems
 - Windows Server 2003 64-bit Enterprise Edition
 - Windows XP Professional with Service Pack 2 for x86
- Browser
 - Firefox 1.0 or later
 - Internet Explorer 6.0 with Service Pack 1 or later
- Server software
 - TCP/IP installed
 - SMH installed
- Hardware
 - ProLiant Server
 - HP Business Desktops
 - Integrity Server (rx1620, rx2600, rx2620, rx4640, rx5670, rx7620, rx8620, Superdome)

- Disk space
 - 14-15 MB (Installation files only)
 - 200 MB in the VCRM installation drive for temporary ProLiant or Integrity Support Pack extraction
 - 2 GB for the repository. This must be on a local, writeable drive.
- System memory
 - 256 MB for Windows XP and Windows Server 2003



IMPORTANT: The disk space requirements previously mentioned are specific to the installation of the VCRM. The size of the repository depends on the files contained in the repository directory. Each ProLiant or Integrity Support Pack executable, which is downloaded automatically if the Auto Update feature is enabled, is approximately 100 MB in size and extracts to approximately 200 MB in size. If you are downloading multiple ProLiant or Integrity Support Packs, then you can multiply this size by the number of ProLiant or Integrity Support Packs you are downloading in your repository to determine how much disk space is required.

Client requirements

Minimum requirements for client access to the VCRM are outlined.

Hardware and software requirements

- Operating system
 - Windows Server 2003
 - Windows XP
- Browser
 - Internet Explorer 6.0 with Service Pack 1 or later
 - Mozilla 1.6 or later

Note: Uploading software by way of the Mozilla browser interface is not supported.
- System memory
 - 256 MB of RAM for Windows XP or Windows Server 2003

4 Known issues

The VCRM and VCA undergo rigorous testing before releasing any given version of the product. From HP test activities to date, the following items have been uncovered that you should keep in mind.

VCRM

- Auto-update appears to complete successfully, but no files are downloaded. This situation can occur when no VCAs are configured to use the VCRM that is performing the auto-update. The VCRM uses operating system information provided by the VCAs to decide what files to download, and reports a successful update in the absence of this information. You must configure at least one VCA to use the VCRM for any files to be downloaded by the auto-update process.
- You cannot copy items in a VCRM repository to the same VCRM. A red **X** icon appears but no error description is provided.
- When creating a Custom Software Baseline, if you select **Support Pack**, it selects all the components contained in that Support Pack. You can deselect a component from the Support Pack if you do not want to include it.
- If a ProLiant or Integrity Support Pack is uploaded from a system using Internet Explorer 5.5 with Service Pack 1 or earlier, the upload window shows that the upload process is complete. However, the copied components are corrupted, thus producing an invalid support pack in the catalog. These corrupted components do not get replaced with any subsequent uploads, even if they are uploaded from a supported browser. HP recommends that you stop the VCRM service, locating the repository folder, deleting the corrupted files, and restarting the VCRM service. Perform an upload from a system with Internet Explorer 6.0 Service Pack 1 or higher.
- If you are using CERN proxy, HP recommends configuring the VCRM to use the HTTP proxy port instead of the FTP proxy port.
- Proxy Feature Testing

The following proxy applications were used in the testing of the **VCRM Automatic Update** feature using a proxy server. Most of the testing was with default proxy setups and various security settings. However, different users can define their own site-specific security rules and configure their own proxy servers in many different ways.

Proxy Application	User Authentication with Password	IP Address Authentication	Pass/Fail	Remark
Microsoft ISA server	Yes	Yes	Pass	
Microsoft ISA	No	Yes	Pass	
WinProxy	NA	Yes	Pass	
Wingate	Yes	Yes	Fail	Uses Java Authentication

- The VCRM displays a single driver although two drivers are present. Both drivers are displayed in the **Software version control** table and are shown in the **Installed Version** column in the VCA. The component packs that are affected include the following:
 - CP003718 – Contains Cpqcissm.sys and Cpqcissme.sys drivers
 - CP003746 – Contains Sysmgmt.sys and Cpqasm.sys drivers
 - CP003745 – Contains Sysmgmt.sys and Cpqasm2.sys drivers
- After successfully configuring a component in the VCRM, the **Catalog** page displays an invalid icon next to the Support Pack until the **Catalog** is automatically refreshed.

VCA

- If a system is running HP Insight Management Agents on a named Windows 2003 account, the VCA upgrade does not finish successfully.
The VCA is designed to be installed and running on the local system account on Windows for performing installation tasks.
- If a system was installed using SmartStart 5.20 or earlier, components might display in the inventory for hardware that is not physically installed in your system because of a conflict between SmartStart and the VCA for Windows. SmartStart 6.20 or later is recommended.
- The VCA does not accept HP SIM software update tasks if a previous software update task was terminated because of the VCA service stopping before completion. This is because of HP SIM task reporting **In Progress** from the VCA.

HP recommends:

1. Restart the VCA.
 2. Stop the HP SIM task that is reporting **In Progress**.
 3. Restart the HP SIM task. The task initiates and completes successfully.
- Should network connectivity be broken between the VCRM and the VCA immediately after a software update is initiated and before the first download occurs, the VCA does not reconnect to the VCRM to complete the task. This causes the software update task to terminate, and subsequent tasks are rejected by the VCA.
 - When a Windows Foundation Agent service or Linux Host agent (cmahostd) is stopped, the VCA status and Overall System Status are displayed as green indicating **Normal**, even if the real status indicates a **Warning**.
 - When the SMH where the VCRM is installed allows **Anonymous** access, a VCA that is configured to use that VCRM can be configured on the **Change Agent Settings** page. If the login information is incorrect for the VCRM system, it enables the settings to be saved, and inventory data at the VCA appears correct. However, software installations at that VCA fail because the secure login at the VCRM is rejected because of the incorrect settings.
 - The memory utilization of the VCA increases as a result of installing software. Memory is released when the service restarts, for example, following installation of a complete ProLiant or Integrity Support Pack upgrade.
 - When attempting to save the VCA log, the following Microsoft Internet Explorer message appears, *Internet Explorer cannot download clrlogwiz&logsave=true from the local host.* This error is caused by a browser setting that is preventing you from writing to the log file.

HP recommends:

1. From Microsoft Windows Explorer, click **Tools**→**Internet Options**→**Advanced**.
2. Under the **Security** section, deselect **Do not save encrypted pages to disk**.
3. Click **OK**. The settings are saved.

5 Documentation

For more information regarding the VCA and VCRM, refer to the following sources:

- **HP Version Control Installation Guide.** This document provides information about installing and getting started using the VCA and VCRM. This guide includes an introduction to basic concepts, definitions, and functionality associated with the VCA and VCRM. This document is available on the HP Management CD and at <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.
- **VCA and VCRM Help System.** The help systems provide a complete set of documentation for using, maintaining, and troubleshooting the VCA and the VCRM. Download the VCA or VCRM Online Help in PDF format from <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.
- **HP System Management Homepage Installation Guide.** The System Management Homepage Installation Guide provides information about installing and getting started using the SMH. This guide includes an introduction to basic concepts, definitions, and functionality associated with the VCA and VCRM. This document is available on the HP Management CD and at <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.

For More Information

- **ProLiant Support Pack.** Download the VCRM and the latest ProLiant or Integrity Support Pack, which contains the latest VCA and the HP Remote Deployment Utility. Download the ProLiant Support Pack at <http://www.hp.com/servers/swdrivers> or the Integrity Support Pack at <http://www.hp.com/support/itaniumservers>.
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