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Publication History

The manual publication date and part number indicate its current edition. The publication date will change when a new edition is released. The manual part number will change when extensive changes are made.

To ensure that you receive the latest edition, you should subscribe to the appropriate product support service. See your HP sales representative for details.

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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 may 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).

Book Title  Title of a book. On the web and on the Instant Information DVD, it may be a hot link to the book itself.

Command  Command name or qualified command phrase.

ComputerOut  Text displayed by the computer.

Emphasis  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.

Variable  Name of a variable that you may 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 may be repeated an arbitrary number of times.

|  Separates items in a list of choices.
# Table of Contents

1. What's New? ................................................................. 5
2. Features and Change Notification ........................................ 7
   - HP Version Control Agent Features ................................... 7
   - HP Version Control Repository Manager Features ............... 7
3. Requirements .................................................................. 8
   - HP Version Control Agent for Windows Requirements .......... 8
   - HP Version Control Agent for Linux Requirements .............. 9
   - HP Version Control Repository Manager for Windows Requirements .......... 11
4. Known Issues ................................................................ 13
   - HP Version Control Repository Manager ......................... 13
   - HP Version Control Agent ............................................... 14
5. Documentation ................................................................ 16
   - For More Information ..................................................... 16
Chapter 1. What's New?

HP Version Control Agent adds the following enhancements and fixes with this release:

○ HP Version Control Agent for Windows
  ○ Enhanced security features with the support and integration of the System Management Homepage
  ○ Dropped support for Management HTTP Server
  ○ Added support for the following operating systems:
    □ Windows Server 2003
    □ Windows Server 2003 ES for 64-bit Extended Systems
  ○ Enhanced online help integration

○ HP Version Control Agent for Linux
  ○ Enhanced security features with the support and integration of the System Management Homepage
  ○ Dropped support for Management HTTP Server
  ○ Added support for the following operating systems:
    □ Red Hat Enterprise Linux Update 3 for AMD64 and Intel EM64T
    □ SuSE Linux Enterprise Server 9 for x86
    □ SuSE Linux Enterprise Server 9 for AMD64 and Intel EM64T
    □ SuSE Linux Enterprise Server 8 for AMD64
  ○ Added support for the exact match feature between the installed software version and the Reference Support Pack software version
  ○ Enhanced online help integration

○ HP Version Control Repository Manager for Windows
  ○ Addition of the Update Now feature that enables you to update the repository without waiting for a scheduled update
  ○ Added support for the following operating systems:
    □ Windows Server 2003
    □ Windows Server 2003 ES for 64-bit Extended Systems
What's New?

- Enhanced online help integration
Chapter 2. Features and Change Notification

The HP Version Control Repository Manager and the HP Version Control Agent are integrated with the System Management Homepage, which is the standard single-server management tool in the ProLiant Essentials Foundation Pack. HP Systems Insight Manager, also part of the ProLiant Essentials Foundation Pack, uses the Version Control Repository Manager and the Version Control Agent to facilitate software versioning, updates, and related tasks.

HP Version Control Agent Features

The HP Version Control Agent 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 Version Control Agent is installed
- **Install Software.** Install Custom Software Baselines, Support Packs, or individual software components

HP Version Control Repository Manager 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
Chapter 3. Requirements

HP Version Control Agent for Windows Requirements

Version Control Agent for Windows System Requirements

To install the Version Control Agent on a Windows system, the system must meet the minimum requirements listed below.

Hardware and Software Requirements

- Operating system
  - Windows Server 2003
  - 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 and Datacenter Edition (starting with the ProLiant Support Pack 7.2 and later)
  - Windows 2000 - Server, Advanced Server, or Terminal Server Edition (not Datacenter) with Service Pack 2 or later

- Server software
  - TCP/IP installed
  - SNMP services installed and active with at least one community string defined to allow read access
  - Foundation Agents 5.40 or later or Insight Management Agent 6.30 or later required for software inventory and status features to be functional
  - Insight Management Agents 3.0 or later for Integrity systems
  - System Management Homepage 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
  - 10 MB

- System memory
  - 256 MB of RAM for Windows Server 2003
  - 256 MB of RAM for Windows 2000
  - 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)

Version Control Agent for Windows Client Requirements

Minimum requirements for client access to the Version Control Agent are outlined below.

Hardware and Software Requirements

- Operating system
  - Windows Server 2003
  - Windows XP
  - Windows 2000

- Browser
  - Internet Explorer 6.0 with Service Pack 1 or later
  - Mozilla 1.6 or later

- System memory
  - 256 MB of RAM for Windows XP or Windows Server 2003
  - 128 MB of RAM for Windows 2000

HP Version Control Agent for Linux Requirements

VCA for Linux System Requirements

To install the Version Control Agent on a Linux system, the system must meet the minimum requirements listed below.

Hardware and Software Requirements

- Operating system
  - Red Hat Enterprise Linux 3 Update 3 for x86
  - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later)
  - Red Hat Enterprise Linux 2.1 Update 5
  - SuSE Linux Enterprise Server 9 for x86
  - SuSE Linux Enterprise Server 9 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)
  - UnitedLinux 1.0
Requirements

- Server software
  - System Management Homepage \((\text{hpsmh RPM})\) installed
  - HP Server Management Application and Agents \((\text{hpasm RPM})\) 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
  - \(\text{hpasm RPM}\) 7.0 or later

Version Control Agent for Linux Client Requirements

Minimum requirements for client access to the Version Control Agent from Linux operating systems are outlined below.

Hardware and Software Requirements

- Operating system
  - Red Hat Enterprise Linux 3 Update 3 for x86
  - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later)
  - Red Hat Enterprise Linux 2.1 Update 5
  - SuSE Linux Enterprise Server 9 for x86
  - SuSE Linux Enterprise Server 9 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)
  - UnitedLinux 1.0

- Browser
  - Mozilla 1.6 (local or remote access) 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.
HP Version Control Repository Manager for Windows Requirements

System Requirements

To install the Version Control Repository Manager, the computer must meet the minimum requirements listed.

Hardware and Software Requirements

- Operating system
  - Microsoft Windows Server 2003
  - Windows Server 2003 ES for 64-bit Extended Systems
  - Windows XP
  - Windows 2000 - Professional, Server, or Advanced Server (not Datacenter) with Service Pack 2 or later

- Server software
  - TCP/IP installed
  - System Management Homepage 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)
  - 1 GB for the repository. This must be on a local, writeable drive.

- System memory
  - 256 MB for Windows XP and Windows Server 2003
  - 256 MB of RAM for Windows 2000

Important:

The disk space requirements shown above are specific to the installation of the Version Control Repository Manager. The size of the repository depends on the files contained in the repository directory.
Client Requirements

Minimum requirements for client access to the Version Control Repository Manager are outlined below.

Hardware and Software Requirements

- Operating system
  - Windows Server 2003
  - Windows XP
  - Windows 2000

- 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
  - 128 MB of RAM for Windows 2000
Chapter 4. Known Issues

The HP Version Control Repository Manager and HP Version Control Agent 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.

**HP Version Control Repository Manager**

- Auto-update appears to complete successfully, but no files are downloaded. This situation can occur when no Version Control Agents are configured to use the Version Control Repository Manager that is performing the auto-update. The Version Control Repository Manager uses operating system information provided by the Version Control Agents to decide what files to download, and reports a successful update in the absence of this information. You must configure at least one Version Control Agent to use the Version Control Repository Manager for any files to be downloaded by the auto-update process.

- You cannot copy items in a Version Control Repository Manager repository to the same Version Control Repository Manager. A red X icon is displayed 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. If you unselect one of the components, be sure you deselect Support Pack or the component is included in your Custom Software Baseline.

- If a 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 Version Control Repository Manager service, locating the repository folder, deleting the corrupted files, and restarting the Version Control Repository Manager 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 Version Control Repository Manager 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 Version Control Repository Manager 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.

<table>
<thead>
<tr>
<th>Proxy Application</th>
<th>User Authentication with Password</th>
<th>IP Address Authentication</th>
<th>Pass/Fail</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft ISA server</td>
<td>Yes</td>
<td>Yes</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>Microsoft ISA</td>
<td>No</td>
<td>Yes</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>WinProxy</td>
<td>NA</td>
<td>Yes</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>Wingate</td>
<td>Yes</td>
<td>Yes</td>
<td>Fail</td>
<td>Uses Java Authentication</td>
</tr>
</tbody>
</table>
• The Version Control Repository Manager 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 Version Control Agent. 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 Version Control Repository Manager, the Catalog page displays an invalid icon next to the Support Pack until the Catalog is manually refreshed.

**HP Version Control Agent**

• 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 Version Control Agent for Windows. SmartStart 6.20 or later is recommended.

• The Version Control Agent does not accept HP Systems Insight Manager software update tasks if a previous software update task was terminated due to the Version Control Agent service stopping before completion. This is due to HP Systems Insight Manager task reporting In Progress from the Version Control Agent.

  HP recommends:

  1. Restart the Version Control Agent.
  2. Stop the HP Systems Insight Manager task that is reporting In Progress.
  3. Restart the HP Systems Insight Manager task. The task initiates and completes successfully.

• Should network connectivity be broken between the Version Control Repository Manager and the Version Control Agent immediately after a software update is initiated and before the first download occurs, the Version Control Agent does not reconnect to the Version Control Repository Manager to complete the task. This causes the software update task to terminate, and subsequent tasks are rejected by the Version Control Agent. In this case, you must stop and restart the Version Control Agent service before it accepts any other tasks.

• When a Windows Foundation Agents service or Linux Host agent (cmahostd) is stopped, the Version Control Agent status and Overall System Status are displayed as green indicating Normal, even if the real status indicates a Warning.

• When the System Management Homepage where the Version Control Repository Manager is installed allows Anonymous access, a Version Control Agent that is configured to use that Version Control Repository Manager can be configured on the Change Agent Settings page. If the login information is incorrect for the Version Control Repository Manager system, it enables the settings to be saved, and inventory data at the Version Control Agent appears correct.
However, software installations at that Version Control Agent fail because the secure login at the Version Control Repository Manager is rejected due to the incorrect settings.

- The memory utilization of the Version Control Agent increases as a result of installing software. Memory is released when the service restarts, for example, following installation of a complete Support Pack upgrade.
Chapter 5. Documentation

For more information regarding the HP Version Control Agent and HP Version Control Repository Manager, refer to the following sources:

- **HP Version Control Installation Guide.** This document provides information about installing and getting started using the HP Version Control Agent and HP Version Control Repository Manager. This guide includes an introduction to basic concepts, definitions, and functionality associated with the Version Control Agent and Version Control Repository Manager. This document is available on the HP Management CD and at http://h18013.www1.hp.com/products/servers/management/agents/documentation.html.

- **HP Version Control Agent and HP Version Control Repository Manager Help System.** The help systems provide a complete set of documentation for using, maintaining, and troubleshooting the Version Control Agent and the Version Control Repository Manager.

- **HP System Management Homepage Installation Guide.** The System Management Homepage Installation Guide provides information about installing and getting started using the System Management Homepage. This guide includes an introduction to basic concepts, definitions, and functionality associated with the Version Control Agent and Version Control Repository Manager. This document is available on the HP Management CD and at http://h18013.www1.hp.com/products/servers/management/agents/documentation.html.

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