HP Version Control Release Notes

Legal Notices

The information in this document is subject to change without notice.

Hewlett-Packard makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Hewlett-Packard shall not be held liable for errors contained herein or direct, indirect, special, incidental, or consequential damages in connection with the furnishing, performance, or use of this material.

Warranty

A copy of the specific warranty terms applicable to your Hewlett-Packard product and replacement parts can be obtained from your local Sales and Service Office.

U.S. Government License

Proprietary computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notices

©Copyright 1983-2005 Hewlett-Packard Development Company, L.P. All rights reserved. Reproduction, adaptation, or translation of this document without prior written permission is prohibited, except as allowed under copyright laws.

Trademark Notices

Adobe® and Acrobat® are trademarks of Adobe Systems Incorporated.

HP-UX Release 10.20 and later and HP-UX Release 11.00 and later (in both 32 and 64-bit configurations) on all HP 9000 computers are Open Group UNIX 95 branded products.

Intel® and Itanium® are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux® is a U.S. registered trademark of Linux Torvalds.

Java™ is a US trademark of Sun Microsystems, Inc.

® Microsoft®, Windows,® and Windows NT® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

Red Hat® is a registered trademark of Red Hat, Inc. in the United States and other countries.

SuSE® is a registered trademark of SuSE Linux AG.

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.

Please direct comments regarding this guide to:

Hewlett-Packard Company
HP-UX Learning Products
3404 East Harmony Road
Fort Collins, Colorado 80528-9599

Or, use this web form to send us feedback:

```
http://docs.hp.com/assistance/feedback.html
```

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).
Book Title	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.
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 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.

Table of Contents

Chapter 1. What's New?

HP Version Control Repository Manager adds the following enhancements with the HP SmartStart CD 7.4 release:

- Enhanced functionality that extracts ProLiant and Integrity Support Packs and rescans the repository automatically

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, ProLiant and Integrity 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

System Requirements

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

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 Agent 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

    - ❍ 11 MB on the Windows *SystemDrive*

        Note: The Version Control Agent 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 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)

Client Requirements

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

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

System Requirements

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

Hardware and Software Requirements

● Operating system

 ❍ Red Hat Enterprise Linux 4 for x86
 ❍ Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T
 ❍ 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

- Server software

  ❍ System Management Homepage (**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

Client Requirements

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

Hardware and Software Requirements

- Operating system

  ❍ Red Hat Enterprise Linux 4 for x86
  ❍ Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T
  ❍ 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 Server 2003 64-bit Enterprise Edition and Datacenter Edition
  ○ 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)
  ○ 200 MB in the Version Control Repository Manager 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
  ○ 256 MB of RAM for Windows 2000

Important:

The disk space requirements previously mentioned 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. 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 Version Control Repository Manager are outlined.

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 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. 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 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 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.

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 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 because of the Version Control Agent service stopping before completion. This is because of 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 Agent 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 because of 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 ProLiant or Integrity Support Pack upgrade.

● When attempting to save the Version Control Agent 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.

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.

For More Information

- **ProLiant Support Pack.** Download the HP Version Control Repository Manager and the latest ProLiant or Integrity Support Pack, which contains the latest HP Version Control Agent 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.

- **Maintenance.** Read about maintenance and support of HP products to include customer advisories, knowledge bases, and more at http://itrc.hp.com.

- **Subscriber's Choice.** Receive proactive notification by email each day regarding new items that are available at http://www.hp.com/go/subscribe-gate1.