

HP Version Control Agent



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Product Overview

The HP Version Control Agent is an HP Insight Management Agent that is installed on a system to enable you to see the HP software and firmware that is installed on that system. The Version Control Agent can be configured to point to a repository being managed by the HP Version Control Repository Manager, allowing easy version comparison and software updates from the repository to the system on which the Version Control Agent is installed.

The Version Control Agent provides version control and system update capabilities for a single HP system. The Version Control Agent determines system software status by comparing each component installed on the local system with the set of individual components or a specified Support Pack listed in the Version Control Repository Manager. You can also update individual components or an entire Support Pack by clicking the install icon located next to the system software status icon.

The Version Control Repository Manager and the 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 Version Control Agent to facilitate software versioning, update, and tasks related to it.

The Version Control Agent is available for Windows and Linux operating systems. The Version Control Agent is an integrated part of the System Management Homepage that is designed to display the available software inventory of the system on which it is installed. The Version Control Agent also allows the installation, comparison, and update of system software from a repository that is managed by a Version Control Repository Manager.

Users with administrator or operator privileges can access the Version Control Agent to maintain the software inventory of the system manually. The installation of components and configuration activities are logged to a log file at the system. The Version Control Agent log activities, such as software installations. However, installations done outside the Version Control Agent do not appear in this log.

The Version Control Agent enables you to view the software installed on selected HP equipment, the available updates, and whether the installed software is compliant with the latest updates found in the selected repository. In addition, you can add or update HP software on the system remotely, using the browser interface of the Version Control Agent.

You can use the Replicate Agent Settings feature in HP Systems Insight Manager to update multiple servers with Version Control Agent settings. For more information regarding the **Replicate Agent Settings** feature, refer to the online HP Systems Insight Manager help system.

The Version Control Agent permits the following tasks:

- **"Viewing Installed Software" [26]** . View the currently installed software.
- **"Changing Agent Settings" [29]** . Select a Version Control Repository Manager as a reference point for obtaining software updates.
- **"Overall Software Status" [24]** . Select Support Pack as a managed baseline.
- **"ProLiant Support Pack Details" [27]** . View the details associated with a Support Pack or individual software component that is in the version control repository.
- **"Updating Software" [30]** . Install a Support Pack or individual software component from the version control repository.
- **"Printing Software Status" [31]** . Print the installed software inventory and software status.
- **"Viewing the Log" [32]** . View the Version Control Agent log.

- **"Clearing the Log" [34]** . Clear the Version Control Agent log.
- **"Changing Log Settings" [35]** . Configure the log to automatically delete older entries reducing maintenance activity for administrators.
- **"Changing Log Settings" [35]** . Change the log settings.

In addition to maintaining the software inventory of the system, the Version Control Agent integrates with HP Systems Insight Manager. This integration enables administrators to take advantage of the Software Update capabilities of the agent.

Additional Resources

For additional resources, go to <http://www.hp.com/servers/manage>.

Related Topics

- Home [23]

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Version 2.1, November 2004

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Related Topics

- Apache [7]
- GNU [10]

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- [GNU \[10\]](#)

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END OF TERMS AND CONDITIONS

Related Topics

- [Licensing \[6\]](#)

- Apache [7]

Getting Started

To start using the HP Version Control Repository Manager and the HP Version Control Agent, use the following steps as a guideline for installing and configuring your machines properly:

1. Verify that your system meets minimum requirements. For more information regarding minimum requirements, refer to the *Version Control Installation Guide*.
2. Install and configure the System Management Homepage. For more information regarding the System Management Homepage, refer to the *System Management Homepage Installation Guide*.
3. Install and configure the Version Control Repository Manager with a Support Pack on a machine accessible from the server where you are installing the Version Control Agent. One Version Control Repository Manager can support many Version Control Agents, so in most cases, you will need only one repository; however, multiple repositories may be required for large or widely dispersed enterprises.
4. Install and configure the Version Control Agent on the target system. Installing the Version Control Repository Manager prior to installing the Version Control Agent enables you to configure the Version Control Agent to use data in the repository specified from the **Change the Agent Settings** link in the Version Control Agent. For more information regarding installing the Version Control Repository Manager, refer to the *Version Control Installation Guide*.
5. Browse to the System Management Homepage located at **https://hostname:2381** to log in.
6. Configure the Version Control Agent to use data provided by the repository defined by the **Change the Agent Settings** link.

Procedures

- Changing Agent Settings [29]
- Updating Software [30]
- Viewing Installed Software [26]

Related Topics

- Home [23]
- Log [32]
- Overall Software Status Icons [24]

Login

Access the HP Version Control Agent graphical user interface (GUI) from any network client using a web browser. For information about which browsers are supported, refer to the *Version Control Installation Guide*.

Important:



If an HP Version Control Repository Manager has not been configured, only the Software and Firmware Inventory of items currently installed on the system are displayed on the **Home** page. The Version Control Agent settings must be configured for full functionality.

Important:



For Windows operating systems, you must install the HP Insight Management Agent 5.40 or later to obtain any inventory data. For Linux operating systems, you must install HP Server Management Application and Agents (hpsasm RPM) 7.00 or later to obtain any inventory data. HP recommends installing the current version that is in the same Support Pack as the Version Control Agent.

Note:



If the Insight Management Agents are not installed, software inventory cannot be collected by the Version Control Agent. It can still be used to install software, however.

Note:



Login accounts which have Administrator or Operator privileges defined in the System Management Homepage can access all features of the Version Control Agent.

Logging into the Version Control Agent

To login to the Version Control Agent:

1. To access the Version Control Agent with access to all available features, you must login to the System Management Homepage with **administrator** or **operator** level access.
2. Navigate to **https://hostname:2381**. The **Login** page is displayed if **Anonymous Access** is disabled. If **Anonymous Access** is enabled, the **System Management Homepage** page is displayed.
3. After you have logged in, you can browse directly to the Version Control Agent by entering **https://hostname:2381/vcagent** in the browser address field, or you can open it in a new browser window by clicking the HP Version Control Agent link from the System Management Homepage under **Integrated Agents**, or in the **Version Control** status box on the **Home** tab. The **Version Control Agent** page is displayed.

Related Topics

- Getting Started [20]
- Logout [22]

Logout

Logging out of the HP Version Control Agent

You are logged out automatically from the System Management Homepage and HP Version Control Agent after approximately 15 minutes of inactivity.

To log out:

1. Browse to the System Management Homepage. You can click the *servername* Homepage link on the Version Control Agent banner.
2. Click on the logout link in the upper right hand corner.
3. Close the web browser.

Related Topics

- Login [20]

Navigating the Software

The HP Version Control Agent provides an interface that enables you to easily navigate through the tabbed pages:

- "Home" [23]
- "Log" [32]

Related Topics

- Overall Software Status Icons [24]
- Home [23]
- Log [32]

Home

The **Home** page lists the HP software and version currently installed. The content of the **Home** page depends on the configuration of the HP Version Control Repository Manager. Refer to "Changing Agent Settings" [29] for information regarding the configuration of the Version Control Repository Manager and Reference Support Pack.

The Home page enables you to perform the following tasks:

- "Overall Software Status" [24]
- "Overall Software Status Icons" [24]
- "Viewing Installed Software" [26]
- "ProLiant Support Pack Details" [27]
- "Reference Support Pack" [28]
- "Showing/Hiding Software" [28]
- "Changing Agent Settings" [29]
- "Updating Software" [30]
- "Refreshing Inventory Data" [31]
- "Printing Software Status" [31]

Related Procedures

- Login [20]
- Logout [22]

Related Topics

- Overall Software Status Icons [24]

- Licensing [6]
- Overall Software Status [24]

Overall Software Status

The **Overall Status** icon is not displayed until a HP Version Control Repository Manager has been configured using the **Change Agent Settings** link. After a repository has been configured, the Overall Software Status icon is based on a comparison between the installed software or firmware versions and newest components available from the configured Version Control Repository Manager. The overall software status that is displayed depends on the configuration defined using the **Change Agent Settings** link. On Windows operating systems, you can configure the **Overall Software Status** to display a critical status if the server software version does not match the Reference Support Pack version. When both a repository and Reference Support Pack have been configured, the **Overall Software Status** icon is based on a comparison between the installed software or firmware versions and the software or firmware versions in the Reference Support Pack.

For more information regarding the **Software Status** icons, refer to "Overall Software Status Icons" [24].

Important:



Software status is based on a comparison of installed software against what is available in the repository. If there are no comparable items in the repository, the status is considered *current*. You can configure software status to display *critical* when the server software version does not match the Reference Support Pack version using the **Change Agent Settings** link.

To view overall software status, click the **Home** tab. The **Home** page is displayed.

Procedures

- Changing Agent Settings [29]
- Updating Software [30]

Related Topics

- Overall Software Status Icons [24]
- Navigating the Software [23]

Overall Software Status Icons

Note:



Click a **Software Status** icon to access the HP Version Control Agent. If the Version Control Agent cannot be accessed, help displays describing how to configure the Version Control Agent or trust relationship on that system.

Note:



There is a **Software Status** icon for every system except HP-UX.

The status is based on comparing the installed versions against versions in the repository.

- **? Unknown.** There are different reasons why an **Unknown** status icon might display:
 - The Version Control Agent does not have a HP Version Control Repository Manager configured.
 - The configured Version Control Repository Manager is not reachable or does not respond to HTTP requests, for example, the system or service is down or the password has been changed.

Status Values When no Reference Support Pack is Set

- **✓ Normal.** The installed software versions are the same or newer than the latest versions available at the Version Control Repository Manager.
- **⚠ Minor.** This update may contain bug fixes or new hardware support. HP recommends that you review information about this version and apply this update appropriately.
- **⚠ Major.** This update contains critical bug fixes. HP requires that you apply this update at your earliest convenience.

Status Values When a Reference Support Pack is Set but the Exact Match Setting is Not Selected

- **? Unknown.** The Reference Support Pack configured at the Version Control Agent is no longer valid at the configured Version Control Repository Manager.
- **✓ Normal.** The installed software versions are the same or newer than the versions in the Reference Support Pack.
- **⚠ Minor.** This update may contain bug fixes or new hardware support. HP recommends that you review information about this version and apply this update appropriately.
- **⚠ Major.** This update contains critical bug fixes. HP requires that you apply this update at your earliest convenience.

Status Values When a Reference Support Pack is Set and the Exact Match is Selected

- **? Unknown.** The Reference Support Pack configured at the Version Control Agent is no longer valid at the configured Version Control Repository Manager.

-  **Normal.** The installed software versions are the same or newer than the versions in the Reference Support Pack.
-  **Major.** This update contains critical bug fixes. HP requires that you apply this update at your earliest convenience.

When the overall software status indicates that an item is not current, identify the software or firmware items that have available updates, read the item descriptions, and determine whether the update is appropriate for the server.

In the event a repository has been configured and a Reference Support Pack has not, the status is based on a comparison between the installed software or firmware versions and the newest components available from the configured repository.

In the event a repository and Reference Support Pack have been configured, the status is based on a comparison between the installed software or firmware versions and the software or firmware versions in the Reference Support Pack.

Related Topics

- [Home \[23\]](#)
- [Log \[32\]](#)

Viewing Installed Software

The **Installed Software** section displays software and firmware versions.

If the HP Version Control Agent options have not been set, only the Installed Version column displays the software or firmware versions currently installed on the agent system.

After a HP Version Control Repository Manager has been configured using the **Change Agent Settings** link, the Latest Version column appears. The **Latest Version** column displays the newest available version of the component in the configured repository. Click any version number in the **Latest Version** column to link to a description of that version stored in the repository.

The Support Pack Version column is not shown if a Reference Support Pack has not been defined using the **Change Agent Settings** link. After a Version Control Repository Manager and the Reference Support Pack have been configured using the **Change Agent Settings** link, both the **Support Pack Version** and the **Latest Version** columns are listed. The **Support Pack Version** column displays the component version of software or firmware that is part of the configured Reference Support Pack. Click any version number in the **Support Pack Version** column to link to a description of that version stored in the repository.

Status icons for installed software have the following meanings:

-  **Normal.** The installed software version is equal or greater than this version.
-  **Minor.** This update may contain bug fixes or new hardware support. HP recommends that you review information about this version and apply this update appropriately.
-  **Major.** This update contains critical bug fixes. HP requires that you apply this update at your earliest convenience.

Note:



The Version Control Agent uses data collected by the HP Insight Management Agent for the **Installed Software** section. Always install the latest version of the HP Insight Management Agents to ensure that the most reliable data is presented. If the HP Insight Management Agents are not installed, the Version Control Agent cannot provide local inventory data. If a Version Control Repository Manager has been configured, it can install software from that repository.

Note:



The **Overall Software Status** is displayed depending on the configuration assigned by the **Changing Agent Settings** feature.

Note:



The **Install** icon is disabled if you are not logged in with System Management Homepage's **Operator** or **Administrator** privileges.

Note:



If an installed software or firmware item does not have any version available in the configured repository, it will not have an entry in the **Support Pack** or **Latest Version** columns. That item will not have a status icon but will be considered current when determining the Overall Software Status.

Related Topics

- Overall Software Status Icons [24]
- Updating Software [30]

ProLiant Support Pack Details

The HP Version Control Agent enables you to view details about Support Packs and components. The detailed information provides you with information about the Support Pack or component such as **File, Name, Version, Languages, Release Date, Description, Installation Notes, Prerequisites**, and the **Revision History**.

To view details about a specific Support Pack or component:

1. Select the **Home** tab. The **Home** page is displayed.

2. Click on the **Details** hyperlink associated with the item you wish to view detailed information about. The **Details** page is displayed linking you to a page in the HP Version Control Repository Manager.

Related Topics

- [Home \[23\]](#)
- [Overall Software Status Icons \[24\]](#)
- [Viewing Installed Software \[26\]](#)

Reference Support Pack

The Reference Support Pack is configured by using the ["Changing Agent Settings" \[29\]](#) link.

You can select a **Reference Support Pack** to be used to determine the overall software status of the system. This configuration enables the monitoring of installed software versions against a known, stable set of software versions. You can use a Support Pack or a Custom Software Baseline as a Reference Support Pack. A Custom Software Baseline can be generated using the HP Version Control Repository Manager.

Related Procedures

- [Changing Agent Settings \[29\]](#)
- [Overall Software Status Icons \[24\]](#)

Related Topics

- [Home \[23\]](#)
- [Overall Software Status Icons \[24\]](#)

Showing/Hiding Software

The **Show Additional Items Available in the Repository** link provides the Available Software list of Support Packs and components available for installation. Available Support Packs and components are appropriate for the version of the operating system installed on the system, but might not necessarily be applicable to the specific server hardware. Only the Support Packs and components available in the configured repository are displayed.

To show additional items available in the repository:

1. Select the **Home** tab. The **Home** page is displayed.
2. Click **Show Additional Items Available in the Repository**. The available software is displayed on the **Home** page.

To hide additional items in the repository:

1. Select the **Home** tab. The **Home** page is displayed.
2. Click the **Hide Additional Items Available in the Repository** link. The installed software is displayed on the **Home** page.

Related Topics

- Home [23]
- Overall Software Status Icons [24]
- Changing Agent Settings [29]

Changing Agent Settings

The HP Version Control Repository Manager is a directory of software that is available for installation. Configuring the Version Control Repository Manager enables the HP Version Control Agent to monitor the software contained in that repository.

To change the agent settings:

1. Select the **Home** tab. The **Home** page is displayed.
2. Click **Change Agent Settings**. The **Select the Version Control Repository Manager** page is displayed.
 - a. In the **Computer Name** field, enter the name of a computer with a Version Control Repository Manager installed. Specifying the name of a computer with a Version Control Repository Manager installed allows a more detailed software inventory to be generated and provides a way to update HP software on the system.
 - b. In the **Login Account** field, enter a login that has the appropriate security level for the System Management Homepage on the specified system. The type of account, account name and password depend on whether the System Management Homepage or Management HTTP Server is installed at the system specified in the previous step. This account must have **Operator** or **Administrator** level at the Version Control Repository Manager system, so it is recommended that you use a browser to verify the login account and password before entering it.

Note: You must enter the **administrator** or **operator** account defined in the System Management Homepage and provide the appropriate password for the Version Control Agent to download software from the Version Control Repository Manager. If anonymous access is disabled at the Version Control Repository Manager, you must enter at least an account with user privileges and provide the appropriate password for the Version Control Agent to provide software status by comparing the inventory with what is available at the Version Control Repository Manager.

Note: To avoid any potential administrator lockouts from the System Management Homepage, the account named **Administrator** cannot be used to connect to the Version Control Repository Manager from the Version Control Agent.
 - c. In the **Password** field, enter the appropriate password for the login account that you selected in the **Login Account** field.
3. Click **Next** to continue. The **Select the Reference Support Pack** page is displayed. Click **Reset** to clear the settings you just specified or **Cancel** to abort the changes.

Note: If the Version Control Repository Manager cannot be accessed, an error message is displayed, and you are returned to the HP Version Control Agent page to reenter the settings.

- In the **Select the Reference Support Pack** field, select the name of a Support Pack from the dropdown menu to use as the default reference for the Support Pack Version column on the Home page. If you changed the Version Control Repository Manager settings and do not want to specify a new Reference Support Pack, you can click **Finish** without specifying a new Reference Support Pack.
- Select **When checked, software status is based on installed software's version matching exactly that software's version in the Reference Support Pack** to alert you if software versions do not match.

Note: If no Reference Support Pack was previously configured or the configured Support Pack does not exist, the Reference Support Pack field displays **(No Selection)**.

4. Click **Reset** to clear the changes and return to the previous settings, **Cancel** to discard the changes and retain the original settings, or **Finish** to save your changes. The updated configuration is displayed on the **Current Settings** page.
5. Click **Close** to return to the **Home** page.

Note: If you click **Cancel**, a **Confirm Cancel** dialog box is displayed asking you to confirm your intention to discard the changes and retain the original settings. Click **No** to return to the **Current Settings** page or **Yes** to discard the changes, retain the original settings, and return to the **Home** page.

Related Topics

- Reference Support Pack [28]

Updating Software

The **Home** page enables you to install Support Packs and components. You can click the name of the software or firmware item to link to a description of that item from the repository.

To install a component or Support Pack:

1. Select the **Home** tab. The **Home** page is displayed.
2. Click the **Install** icon next to the item you want to be installed. A component/Support Pack installation page for selecting installation options is displayed.
 - a. **Force Installation.** Enables the software to reinstall itself over an existing or newer version.

Note: A *downgrade* to an older version might not succeed, even though this box is selected. Selecting this box enables the installation to be attempted because normal processing for most components does not attempt to install if a newer version is already present.

- b. **Automatic Reboot.** Enables the HP Version Control Agent to automatically reboot the system if the installation requires a reboot when finished. In the case of a Support Pack installation, this event occurs after all component installations complete without error. If any component installation returns an error result, the reboot will not occur. Inspect the Version Control Agent Log after an installation error to determine whether the system must be restarted. If you do not select Automatic Reboot, look at the log to determine if a reboot

is needed. If the log indicates a reboot is required, manually reboot the server for the installations to complete.

Important: When a task completes, be sure to read the details in the log to determine whether a reboot is required.

3. Click **Install** to begin the installation or **Cancel** to abort the installation and return to the **Home** page.

Note: All components are downloaded before installation begins. An error in the download process causes the installation to fail, and no component installations occur. An error in the installation of a single component does not stop the installation of the rest of the components from a Support Pack, but it does prevent an automatic reboot from occurring. In Windows, if an installation of a single component does not complete within 15 minutes, a timeout occurs and the component installation is terminated.

Note: Only one installation task can progress at a time. Clicking the **Install** icon while another installation is in progress redirects you to the **Log** page for status of the current installation in progress.

Related Topics

- Viewing Installed Software [26]
- Overall Software Status Icons [24]

Refreshing Inventory Data

The HP Version Control Agent enables you to manually refresh the inventory data.

To refresh the inventory data:

1. Select the **Home** tab. The **Home** page is displayed.
2. Click **Refresh the Inventory Data**. The **Home** page is refreshed.

Related Topics

- Home [23]
- Overall Software Status Icons [24]

Printing Software Status

Print Software Status

The **Print Software Status and Installed Software** feature enables you to print a report that contains the following:

- Overall software status
- Reference Support Pack
- Names of installed software

- Installed version
- Latest version

Print Software Status

To print the software status and installed software:

1. From the **HP Version Control Agent Home** page, click the **printer** icon in the upper right corner. The **Software Status and Installed Software** report is displayed. The default **Print** dialog box is also displayed.
2. Click **Print**. The report is printed.

Related Topics

- Home [23]

Log

The **Log** page contains information logged by the HP Version Control Agent during its operation. The log is often informational when you are trying to troubleshoot a problem, such as why a specific task failed. The log can be cleared using the **Clear the Log** link.

The **Log** page enables you to:

- "Viewing the Log" [32]
- "Viewing Details for Single Log Entry" [34]
- "Clearing the Log" [34]
- "Changing Log Settings" [35]

Procedures

- Viewing the Log [32]
- Viewing Details for Single Log Entry [34]
- Clearing the Log [34]
- Changing Log Settings [35]

Related Topics

- Home [23]
- Navigating the Software [23]
- Overall Software Status Icons [24]
- Windows 2000/NT Events [47]

Viewing the Log

The **Log** page displays information regarding specific tasks that have been executed.

To view the Version Control Agent Log, select the **Log** tab. The **Log** page is displayed.

Note:



You can navigate through a log that has multiple pages by clicking the numbers or the arrows at the bottom of the **Log** page.

You can display details for a specific task by clicking the details link associated with the **Task ID**. The **Status Icons** column lists icons that denote the severity of each task. A definition of each status icon is shown.

 **Informational**

 **Normal**

 **Warning**

 **Major**

- **Severity.** The severity icons shown report the severity of an event.
 - Informational and Normal events are logged to confirm the internal event, such as startup, or the result of a successful task completion, such as a component install.
 - Warning events can indicate a condition that might mean a feature of the Version Control Agent is not fully operational, such as an incorrect configuration.
 - Major events are logged when a task or process fails. This severity can indicate a problem with the Version Control Agent but can also be caused by invalid input in a task or an external condition (such as a network problem), which can prevent a task from completing.
- **Task ID.** Clicking links in the **Task ID** column displays a filtered log for that task. Select the **Log** tab again or click **Back** from your browser to return to an unfiltered log. Tasks performed on behalf of an interactive user have an ID generated by the Version Control Agent. HP Systems Insight Manager commands provide an ID for the tasks performed by **Replicate Agent Settings**.
- **Date/Time.** The date and time are recorded when an event occurs. The time is converted to the local time at your browser so that it represents the actual time the event occurred, even if the server is in a different time zone.
- **Message.** When additional information is available, a details link is displayed. Click the details link to display details. To view details of a specific event, click the details link associated with the message you want to view.

Related Topics

- Overall Software Status Icons [24]
- Clearing the Log [34]

Viewing Details for Single Log Entry

The Version Control Agent Log page enables you to view details regarding a log entry when available. If log entry details are available, a details link is displayed at the end of the applicable log entry.

Note:



For more information regarding **Severity**, **Task ID**, **Date/Time**, and **Message** fields, refer to "Viewing the Log" [32].

To view log entry details:

1. Select the **Log** tab. The **Log** page is displayed.
2. Click the details link that is associated with the log entry about which you want to view details. The **Entry Details** page is displayed.

Related Topics

- Viewing the Log [32]
- ProLiant Support Pack Details [27]

Clearing the Log

If the logs become lengthy and cumbersome, it can become difficult to find the information for which you are searching. The **Clear the Log** link enables you to clear the Version Control Agent Log.

Caution:



Clearing the HP Version Control Agent log file is irreversible. Use this feature with caution.

Note:



You must be logged into the system with **Operator** or **Administrator** privileges to clear the log.

Note:



Do not clear the log while an installation is in progress, because the file will be in use by the component setup programs, and clearing it can interfere with the overall result status returned to HP Systems Insight Manager.

To clear the Version Control Agent log:

1. Select the **Log** tab. The **Log** page is displayed.
2. Click **Clear the Log**. The **Clear the HP Version Control Agent Log** page is displayed.
3. In the **Text Save Option** section, select **Save Log Text** if you want to save the existing log entries in a text file for future reference.
4. Click **Reset** to return the **Clear the Version Control Agent Log** page to the default settings or **Cancel** to abort the clear operation. In the **Clear** section, click **Finish** to clear the log.
 - a. If you select **Save Log Text**, the **File Download** dialog box is displayed.
 - b. Click **Save**. The **Save As** dialog box is displayed. Navigate to the location where you want to save the text file, and click **Save**. The **Clear the HP Version Control Agent Log** page is displayed again, indicating whether the **Version Control Agent Log** was cleared successfully.
5. Click **Close**. The **Log** page is refreshed.

Related Topics

- Viewing the Log [32]
- Viewing Installed Software [26]

Changing Log Settings

The **Change Log Settings** link enables you to configure the log settings. You can specify whether you want to automatically delete log entries, the number of days you want to keep the entries before deleting, and the number of log entries displayed per page.

Note:



You must be logged into the system with **Operator** or **Administrator** privileges to make changes to the configuration or enable the **Log Management** features.

To change the Log Settings:

1. Select the **Log** tab. The **Log** page is displayed.
2. Click **Change Log Settings**. The **Log Settings** page is displayed.

3. In the **Log Aging** section, select **Log Aging** to specify a certain number of days to retain the log entries before automatically deleting them. You can deselect **Enable Log Aging** if you do not want to automatically delete log entries.
4. In the **Days to Keep Entries** field, enter the number of days that you want to retain the log entries before deleting them.
5. In the **Log Entries Displayed Per Page** section, select the number of entries that you want to display on each **Log** page from the dropdown menu.
6. Click **Reset** to return the **Log Settings** page and restore the default settings, or **Cancel** to abort the changes.
7. Click **Finish** to save the new settings. The **Log Settings** page is displayed indicating whether the log settings were saved successfully.
8. Click **Close**. The **Log** page is refreshed.

Related Topics

- [Clearing the Log \[34\]](#)
- [Viewing the Log \[32\]](#)

Troubleshooting

HP Version Control Agent

HP Systems Insight Manager Problems

How do I recover from a failed update when the software repository becomes unavailable while the update is performed in HP Systems Insight Manager?

Solution: If the update task uses a software version criteria, execute the task again. The update starts over and the Smart Components that are deployed are only install if supported by the target servers.

Use the task log to examine the target systems and determine where the update failed.

The software update feature in HP Systems Insight Manager does not locate any repositories. How can this be corrected?

Solution: Verify the Discovery settings and ensure that the IP range specified does not exclude the selection of available repositories. Also, for a repository to announce itself as such to HP Systems Insight Manager, ensure that the repository is managed by the HP Version Control Repository Manager. While it is not necessary, it is useful to set up a Version Control Repository Manager on a system before you run Discovery in HP Systems Insight Manager for the first time. Make sure that the Version Control Repository Manager trusts HP Systems Insight Manager.

One of the three items I was trying to install from HP Systems Insight Manager failed to download from the repository, yet the other two items, which downloaded properly, didn't install.

Solution: If any items fail to download from the repository, the Version Control Agent will not attempt to install any of the items.

I set up a task to notify me using email when a software update task completed in HP Systems Insight Manager, but when the event arrived, not all of the software was completely installed.

Solution: The software update task sends the Version Control Agent on each target system a command to install the specified components. After the install command has been sent to the last system, the software update task completes, and the completion event is sent. However, at this time, some of the systems might still be in the process of downloading components and installing them.

Why can't I install or update the Version Control Repository Manager using the Version Control Agent? I receive an Unable to install the Microsoft XML Parser 3.0 (1603) error.

Solution: You are attempting to install the Version Control Repository Manager with the Version Control Agent, whose service does not have administrative privileges.

Perform the recommended changes only on servers running both the Version Control Agent and Version Control Repository Manager:

1. Launch the **Services** program.

2. Right click the **Version Control Agent** service.
3. Select **Properties**.
4. Select the **Log On** tab.
5. Click **This account**.
6. Enter the name of or browse to a user with administrative privileges using **Browse**.
7. Click **OK** to save the changes.

You will now be able to install and upgrade the Version Control Repository Manager using the Version Control Agent.

Log Problems

Why do I see a reboot required, Status 2 in the Version Control Agent Log but not in the Install Log?

Solution: The **Version Control Agent Log** page contains information logged by the Version Control Agent during its operation. The **Version Control Agent Log** is often informational when you are trying to troubleshoot a problem, such as why a specific task failed. In this specific case, the component setup program detected that the installation succeeded, but will not be complete until the system is rebooted. The Version Control Agent does not reboot the system after each component install, but at the end of all installations, to avoid unnecessary restarts. If the installation task was started without the **reboot automatically** option selected, you must restart the server manually to ensure proper installation of all software.

The **Log** page contains information logged by the component setup program.

Why do some of my components not install and report in the log as failed, although the hardware exists on my server and requires the update?

Solution: Some HP components are not written to support silent installation, such as HP NIC drivers for Windows NT, which is an installation that requires user intervention. The Version Control Agent can only install components that are written for silent installation. The following components currently do not support silent installation:

- NetFlex/Netelligent Adapter Driver for Windows NT 4.0
- Ethernet/Fast Ethernet or Gigabit NIC Driver for Windows NT 4.0
- Array Redundancy Software for Windows 2000

In the event silent installation is not supported, HP recommends the following procedure

1. View the Version Control Agent log and determine which component failed.
2. Access the failed system, and browse to the Version Control Repository Manager repository from that system.
3. Browse to the **Catalog** and identify the component.
4. Click the component. The **Component Details** page is displayed.

5. Click the link associated with the component at the top of the **Component Details** page to download the failed component.
6. Save the component to the system.
7. Install the component manually.

In the event components fail because they are not signed by Authenticode technology or have not cleared the Microsoft Windows logo testing, check the target system for messages.

If these components do not or will not install without user intervention or silently, why does the Version Control Agent report Failed to Install?

Solution: At the current time, the Version Control Agent does not differentiate between silent and non-silent components.

I am unable to save the log entries in a file and following Microsoft Internet Explorer message is displayed, "Internet Explorer cannot download clrlogwiz&logsave=true from the local host". What is happening?

Solution: A browser setting is preventing you from writing to the log file.

HP recommends the following actions:

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.

Replicate Agent Settings Problems

The Replicate Agent Settings feature in HP Systems Insight Manager denies access to the source system for security reasons. How is this corrected?

Solution: HP Systems Insight Manager implements security to ensure that access to management information is available only to authorized users. This security relies on security settings between HP Systems Insight Manager with managed systems. HP Systems Insight Manager will deny access if the trust relationship between HP Systems Insight Manager and the source system's System Management Homepage is not configured correctly. To correct this problem, HP suggests the following procedure:

1. Navigate to **https://hostname:2381**.
2. From System Management Homepage, click **Settings->Security->Trust Mode**.
3. Correct the configuration.

Note: For more information regarding Trust Relationships, refer to *Setting up Trust Relationships* in the *HP Systems Insight Manager User Guide*.

Complete information on the security implemented by the management system, where the Version Control Repository Manager is installed, and the managed systems, or System Management Homepage, are available in the *Security* white paper. To download the *Security* white paper, go to <http://www.hp.com/servers/manage>.

Repository Problems

The job of the Software Version Status Polling tasks in HP Systems Insight Manager is to retrieve a list of installed software and firmware from systems and obtain the software status from the HP Version Control Agent on those systems. Why do I need to specify a repository when setting up this task? Does it matter which repository I choose?

Solution: HP Systems Insight Manager sends the selected Version Control Repository Manager a list of all the software versions in sorted order. This is necessary so that HP Systems Insight Manager can properly handle searches that include software version comparisons. The Version Control Repository Manager can return a sorted list of versions for a component even if that component does not exist in the repository. However, it is generally a good idea to choose a repository with the most complete set of software.

I cannot seem to configure the Version Control Agent settings to access the Version Control Repository Manager using the administrator credentials. Why is this happening?

Solution: When System Management Homepage is installed, the Version Control Agent cannot be configured to access a Version Control Repository Manager 2.1 or later using the **administrator** login credentials. A feature in the Version Control Agent prevents you from using the **administrator** credentials to ensure that the **administrator** password for the Version Control Repository Manager is not locked out when the Version Control Agent retries the login to the Version Control Repository Manager several times.

HP recommends that you create an account with administrator privileges to be used specifically by the Version Control Agent. For example, *vcaadmin*.

Software Inventory Problems

Why do some of the components display in the inventory for hardware that is not physically located on my server?

Solution: This issue is caused by a conflict between SmartStart and the Version Control Agent and might display with **Yellow** status icons in the Latest Version and **Support Pack** columns.

SmartStart installs all components, specifically storage components, for hardware, regardless of the physical location of hardware on the server, for example:

- 32-Bit SCSI Controller Driver for Windows NT 4.0
- Drive Array Driver for Windows NT 4.0
- Smart Array-2 Controllers Driver for Windows NT 4.0
- 64-Bit/66Mhz Dual Channel Wide Ultra3 SCSI Controller Driver for Windows NT 4.0
- Smart Array 5x Controller Driver for Windows NT.40

The inventory for these components might display with **Yellow** status icons, stating an upgrade is needed and available, which occurs when the Version Control Repository Manager configured on the Version Control Agent is cataloged with newer versions of these components.

For example, if your server is configured with components from SmartStart CD 5.2 and the **Catalog** of your Version Control Repository Manager contains new SmartStart CD 5.3 components, the inventory of the Version Control Agent displays the above items with **Yellow** status icons. You cannot upgrade these components because the physical hardware does not exist on the system or allow the status icons to display with a **Green** icon reporting the components are current. The **Overall Status** also continues to display with a **Yellow** icon because the Version Control Agent is reporting components that need updating.

You can create a Custom Software Baseline excluding these components and configure your Version Control Agent to use it as its Reference Support Pack. This option enables the Support Pack Version column to exclude these components during its version comparison, which allows your Overall Status to display with a **Green** icon stating the inventory is current. However, the **Latest Version** column will continue to display with **Yellow** icons for these components.

This solution should only be applied to those systems without the storage hardware physically installed.

This problem will be corrected in future releases of the Version Control Agent.

Some of the software installed on the system shown in the Software Inventory of the Version Control Agent is not shown. Why?

Solution: The following components do not appear if you have HP Insight Management Agents 5.20 or earlier installed on the system:

- Drive Array Notification for Windows 2000
- PCI Hot Plug Controller Driver for Windows 2000
- Integrated Management Log Display Utility for Windows 2000
- Integrated Management Log Viewer for Windows 2000
- Power Supply Viewer for Windows 2000
- Power Down Manager for Windows 2000
- Enhanced Integrated Management Display Service for Windows 2000
- ATI RAGE IIC Video Controller Driver for Windows 2000
- Array Redundancy Software for Windows 2000
- Integrated ATA RAID Management Utility
- Network Teaming and Configuration for Windows 2000
- Remote Insight Board Wide Area Network Driver for Windows NT 4.0
- Integrated Management Log Display Utility for Windows NT 4.0
- Integrated Management Log Viewer for Windows NT 4.0
- Power Supply Viewer for Windows NT 4.0
- PCI Hot Plug Utility for Windows NT 4.0

- Array Redundancy Software for Windows NT 4.0
- Power Down Manager for Windows NT 4.0
- Enhanced Integrated Management Display Service for Windows NT 4.0
- ATI RAGE IIC Video Controller Driver for Windows NT 4.0
- ATI RAGE XL Video Controller Driver for Windows NT 4.0
- Integrated ATA RAID Management Utility

These components are displayed in the **Software Inventory** of the Version Control Agent if you install HP Insight Management Agents 5.30 or later.

HP Version Control Repository Manager

Access Problems

After updating my Windows XP system with Service Pack 2, I am unable to access the HP Version Control Repository Manager. What happened?

Solution: The Windows XP Service Pack 2 implements a software firewall that prevents browsers or other clients from accessing the ports required for access to the Version Control Repository Manager. To resolve this issue, you must configure the firewall with exceptions to allow access through the ports used by HP Systems Insight Manager, Version Control Agent and other Version Control Repository Managers.

HP recommends the following actions:

1. Select **Start->Settings->Control Panel**.
2. Double-click **Windows Firewall** to configure the firewall settings.
3. Select **Exceptions**.
4. Click **Add Port**.

You must enter the product name and the port number.

Add the following exceptions to the firewall protection:

Product	Port Number
HP SMH Insecure Port:	2301
HP SMH Secure Port:	2381

Note: For more information regarding HP Systems Insight Manager secure and insecure ports, refer to the *HP Systems Insight Manager User Guide, Troubleshooting, Login Problems* section.

5. Click **OK** to save your settings and close the **Add a Port** dialog box.
6. Click **OK** to save your settings and close the **Windows Firewall** dialog box.

This configuration leaves the default SP2 security enhancements in tact, but will allow traffic over the ports indicated above. The secure and insecure ports must be added to enable proper communication from your browser and other clients that access the Version Control Repository Manager.

Browser Problems

When I try to configure a component using the latest Support Pack, the component configuration wizard appears in my Mozilla browser with a screen that has all configuration screens included in one individual screen. I am unable to save any configuration, and a blank screen appears in the wizard when I click Save. Why is this happening?

Solution: The component configuration included in Support Pack 7.10 and earlier may not succeed when using the Mozilla browser because there are dependencies contained in the component's configuration HTML.

To resolve this issue, use Internet Explorer 6.0 SP1 or later, or HP Remote Deployment Utility to configure components.

The Upload Support Pack task does not work. What is happening?

Solution: The browser settings to download and run ActiveX controls must be enabled for the **Upload Support Pack** task to work.

To configure the Microsoft Internet Explorer security settings

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box is displayed.
2. Click **Custom Level**. The **Security Settings** dialog box is displayed.
3. Under **ActiveX controls and plug-ins, Download signed ActiveX controls**, select **Enable**.
4. Under **Run ActiveX controls and plug-ins**, select **Enable**.
5. Under **Script ActiveX controls marked safe for scripting**, select **Enable**.
6. Click **OK** to save your settings. You are returned to the browser.

Catalog Problems

When I copy the files from a Support Pack into the repository manually, I might not see all of the new components listed on the Catalog page. What can I do to see these files?

Solution: When you copy files into the repository manually without using the Version Control Repository Manager, the repository might need to be rescanned and the catalog rebuilt. For more information regarding copying files into the repository manually, refer to the Version Control Repository Manager help files, *Updating the Repository Manually from the SmartStart CD* (for ProLiant servers) or *SmartSetup CD* (for Integrity servers). For more information regarding rescanning the repository, refer to Version Control Repository Manager help files, *Rescanning the Repository and Rebuilding the Catalog*.

The rescan functionality does not seem to work on my Version Control Repository Manager Why is this happening?

Solution: The rescan functionality does not work when the **Auto Update** is in progress. After the **Auto Update** is complete, the repository rescans itself, and all the components and Support Packs downloaded during the **Auto Update** are displayed in the catalog.

During the automatic update, I received the following error, The automatic updated failed because an error occurred while retrieving the download site catalog. The error message referenced an error for the catalog.xml file and an error code 12007, 12015, and etc. What does this mean?

Solution: While the automatic update process was in progress, the Version Control Repository Manager was unable to connect to the website.

HP recommends the following actions:

- Verify that the hardware connection for the Internet is secure, for example, phone line or cable, to the machine where the Version Control Repository Manager is installed.
- Verify the domain name server (DNS) settings are correct.
- Verify that the proxy server, port, and proxy user authentication settings are correct.

Support Pack Problems

After setting the repository directory with the encryption attribute and restarting the Version Control Repository Manager service, none of the Support Packs are displayed in the Version Control Repository Manager Catalog page. In addition, the Log page indicates that a component has been deleted from the repository. Why aren't the Support Packs displaying?

Solution: This problem is usually caused by a change in security permissions or encryption of the repository directory. Always check that the repository directory permissions are set so that the Version Control Repository Manager Windows Service has full access to the repository directory. Additionally, the Version Control Repository Manager does not support the encryption attribute. If you encrypt the repository directory, the Support Packs are not deleted, but they will not display on the Version Control Repository Manager **Catalog** page.

HP recommends the following actions:

1. Stop the Version Control Repository Manager service.
2. Double-click **My Computer**. Windows Explorer is displayed.
3. Right-click on the repository directory and select **Properties**.
4. Select the **General** tab.
5. Click **Advanced**.
6. Deselect **Encrypt contents to secure data**.
7. Click **OK**.
8. Click **OK** again. Your settings are saved.

9. Start the Version Control Repository Manager service. The Support Packs are displayed on the **Catalog** page.

Can I use the software or firmware criteria in HP Systems Insight Manager to tell which version of a Support Pack is installed?

Solution: Generally, Support Packs cannot be used for comparison when developing a software update search. However, if you must compare Support Packs, use the following guidelines when selecting Support Packs to compare:

- The only comparison you can use with a Support Pack is **Equal To**.
- HP Systems Insight Manager cannot determine whether a Support Pack was installed on a system, only whether all of the components in a Support Pack are installed on a system. A targeted system is returned by a search that compares Support Packs only if every component in the Support Pack is present on the targeted system.

It is unlikely that all of the components in a Support Pack will be installed on any system. This causes most searches that include Support Pack software criteria to return no systems.

Miscellaneous Problems

Should the Version Control Repository Manager be installed before running Discovery in HP Systems Insight Manager, and if so, why?

Solution: While it is not essential, it is a good idea to install a Version Control Repository Manager before running Discovery. Be sure that this repository trusts HP Systems Insight Manager. Refer to *Setting up Trust Relationships* in the *HP Systems Insight Manager User Guide* for more information on trust relationships. It is a good idea to install a Version Control Repository Manager is so that the **Software Version Status Polling** task can properly sort the versions of software retrieved from systems. If you do not set up a repository before running Discovery, then the versions are sorted when a software criteria search is set up for the first time.

Why did the Version Control Agent encounter an error while obtaining the software and firmware inventory?

Solution: The Version Control Agent requires the Windows Foundation Agents 5.30 or later. You must install SNMP and the Windows Foundation Agents. For Version Control Agent for Linux, you must install HP Server Management Application and Agents (**hpasm RPM 7.00** or later. To download the agent, go to <http://www.hp.com/servers/manage>. You must also insure that you have configured at least a read-only community string in the SNMP security settings.

Why is it that when I search for systems with Foundation Agents for Windows in HP Systems Insight Manager, I get only the Windows 2000 systems back and not Windows NT?

Solution: Even though you choose a component that is supported for both Windows NT and Windows 2000, the search only returns the systems that match the operating system tree from which you chose the component when you created the search. In this example, if you chose the Foundation Agents for Windows from the Windows 2000 branch of the criteria tree, then only Windows 2000 systems are returned. If you want systems from both Windows 2000 and Windows NT, choose the Foundation Agents for Windows from the Windows 2000 and Windows NT branch.

What capabilities do I get from the Version Control Agent alone?

Solution: The Version Control Agent provides a list of the HP Web-enabled System Management Software and firmware installed on the local server. For the Version Control Agent to provide version control and software distribution functionality, it must be configured to refer to a Version Control Repository Manager.

Does HP have any intention of disabling the Install icon on those components that do not install silently or without user intervention in future releases?

Solution: Yes.

The Version Control Agent or Version Control Repository Manager display as links under the Integrated Agents list on the System Management Homepage, but the application is missing from the version control category on the System Management Homepage's Home tab, or the category does not display at all. When I click on the link under the Integrated Agents, a page displays indicating The application is not available.

Solution: On Windows, the associated Win32 service is stopped. You must restart the HP Version Control Agent or HP Version Control Repository Manager's Win32 service on the server. If the service is not set for automatic startup, then configure the service to start automatically. If the service stopped unexpectedly, check the **Windows NT Event Log** as well as the application's log for additional information.

On Linux, the associated Version Control Agent daemon process is stopped, and the Version Control Agent daemon can be restarted by the **root** user running `/etc/init.d/hpvca restart`.

Service and Support

Support for HP Version Control Agent is provided as an adjunct to support of the underlying hardware. The purpose of the HP Support page is to provide you with a variety of product, service, and support related resources. In particular, you can use this page to:

- Go to www.hp.com/servers/manage. This website is devoted to Systems Management Products. You will find a wealth of product and service related information on this portal.
- Access links to HP's support home page and World-Wide-Website locator for phone numbers, online tools, and information.
- Contact the HP Support Forum to get answers to your questions about HP products. The HP Support Forum can be found at

<http://forum.compaq.com>

Keeping good records of your configuration can significantly speed up the troubleshooting process. Consult the following list when you obtain assistance from your HP service provider:

- Management PC make, model, and serial number information
- Operating system information, including version number, a list of all service packs that have been applied, the Compaq SSD version, and Insight Management Agent's names and versions that have been applied
- Hardware configuration information:
 - Survey Utility output or Inspect printout

- System Configuration Utility printout
- Description of any non-HP or non-Compaq equipment that is not shown on the **Inspect** or **System Configuration** printout.

Windows 2000/NT Events

The following table shows a listing of Windows 2000/NT events that are applicable to the Version Control Agent.

Event ID	Facility	Severity	Text
28	Application	Informational	The installation task succeeded. Version Control Agent Log URL.
53	Application	Informational	The configuration task succeeded. Version Control Agent Log URL
60	Application	Informational	Started the Version Control Agent (normal startup).
65	Application	Informational	The Version Control Agent Win32 service was stopped
208	Application	Error	The installation task failed. Version Control Agent Log URL:
503	Application	Error	The configuration task failed. Version Control Agent Log URL
604	Application	Error	The Version Control Agent Win32 service could not be started successfully.

Related Topics

- [Home \[23\]](#)
- [Log \[32\]](#)
- [Navigating the Software \[23\]](#)

Glossary

available software	A listing of the software components available in the repository that the Version Control Agent has been configured to point to. When browsing directly into a Version Control Agent, these additional components can be selected for installation.
component	A component is a single, self-describing, installable (interactive or silent) binary file containing a single piece of software, such as firmware image, driver, agent, or utility, that is supported by the management and update tools.
Custom Software Baseline	A set of HP software components that have been bundled together as a baseline by the customer. Modifying the contents of an existing Support Pack provides customers with the flexibility to define their own baselines for their environment.
graphical user interface (GUI)	A program interface that takes advantage of the computer's graphics capabilities to make the program easier to use. HP Systems Insight Manager's GUI is Web-enabled and displays in a Web browser.
HP Systems Insight Manager	<p>System management software that is capable of managing a wide variety of systems, including HP systems, clusters, desktops, workstations, and portables.</p> <p>HP Systems Insight Manager combines the strengths of HP Insight Manager 7, HP Tootools, and HP Servicecontrol Manager to deliver a single tool for managing HP ProLiant, Integrity, and HP 9000 systems running Windows, Linux, and HP-UX. The core HP Systems Insight Manager software delivers the essential capabilities required to manage all HP server platforms. HP Systems Insight Manager can also be extended to deliver unparalleled breadth of system management with plug-ins for HP storage, power, client, and printer products. Plug-ins for rapid deployment, performance management, and workload management enable systems administrators to pick the value added software required to deliver complete lifecycle management of their hardware assets.</p>
HP Web-enabled System Management Software	Software that manages HP web-enabled products.
HP Insight Management Agent	A program that regularly gathers information or performs some other service without the user's immediate presence.
HP Version Control Agent	An Insight Management Agent that is installed on a server to enable the customer to see the HP software that is installed on that server. The Version Control Agent can be configured to point to a repository being managed by the Version Control Repository Manager, enabling easy version comparison and software deployment from the repository to the server that the Version Control Agent is installed upon.

HP Version Control Repository Manager	An Insight Management Agent that enables a customer to manage software from HP that is stored in a directory/repository known as the Version Control Repository.
installed version	A particular HP software component that is installed on the server the Version Control Agent is installed on.
latest version	The latest version of a particular HP software component that is contained in the repository.
overall software status	This section indicates whether the software on the server that the Version Control Agent is installed on has any updates available within the repository in which it has been configured to monitor.
Support Pack	A Support Pack, Integrity Support Pack, or Custom Software Baseline is a set of HP software components that have been bundled together by HP, and verified to work with a particular operating system. A Support Pack contains driver components, agent components, and application and utility components. All of these are verified to install together.
Reference Support Pack	A baseline bundle of HP software components that the Version Control Agent can be configured to point to in the repository. This setting enables users to indicate that they want to keep all of their software up to a certain Support Pack level.
repository	A directory containing Support Pack and Smart Components.
Red Hat Package Manager (RPM)	The Red Hat Package Manager is a powerful package manager that can be used to build, install, query, verify, update, and uninstall individual software packages. A package consists of an archive of files and package information, including name, version, and description.
Replicate Agent Settings	A tool that can be used to copy Web-based agent settings to a group of systems.
Secure Task Execution (STE)	Secure execution of a task from a managed system. This feature of HP Systems Insight Manager ensures that the user requesting the task has the appropriate rights to perform the task, and encrypts the request to protect data from snooping.
Simple Network Management Protocol (SNMP)	One of the management protocols supported by HP Systems Insight Manager. Traditional management protocol used extensively by networking systems and most servers. MIB-2 is the standard information available consistently across all vendors.
single login	Permission granted to an authenticated user browsing to HP Systems Insight Manager to browse to any of the managed systems from within HP Systems Insight Manager without re-authenticating to the managed system. HP Systems Insight Manager is the initial point of authentication and browsing to another managed system must be from within HP Systems Insight Manager.

software inventory	A listing of the HP software installed on the system where the Version Control Agent is installed.
support pack version	A field that displays the version of a particular HP software component that is contained in the Reference Support Pack that the Version Control Agent has been configured to use as a baseline. There may be a later version than this available in the repository, but this is the latest version of this particular component in the Reference Support Pack.
System Management Homepage	An integrated piece of software used by the HP suite of HP Web-enabled System Management Software to communicate over HTTP and HTTPS. It provides a uniform set of functionality and security to HP Web-enabled System Management Software.
version control	<p>A feature that checks the versions of HP operating system drivers, HP Systems Insight Manager Agents, HP utilities, and firmware on the user's system. It compares them with the Version Control Database (VCDB) of current software and firmware versions. Version Control then indicates that the software is up-to-date or that an upgrade is available, and provides reasons for upgrading.</p> <p>Version information appears as a system link for a system.</p>
Version Control Agent log	A listing of all the software maintenance tasks completed by the Version Control Agent and reports resulting from those tasks.

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