

HP Version Control Agent



Manufacturing Part Number: 367262-001

August 2005, Edition 9

©Copyright 2005 Hewlett-Packard

Table of Contents

Product Overview	4
Additional Resources	5
Related Topics	5
Legal Notices	5
Warranty	5
Restricted Rights Legend	5
Copyright Notice	6
Trademark Notices	6
Release History	6
Licensing	6
Software Licensing	6
HP Version Control Agent - Third Party Licensing	6
Related Topics	7
Apache	7
Apache License 2.0	7
Related Topics	10
GNU	10
GNU General Public License	10
GNU Lesser General Public License	13
Related Topics	19
Getting Started	20
Procedures	20
Related Topics	20
Login	20
Logging into the Version Control Agent	21
Related Topics	22
Logout	22
Logging out of the HP Version Control Agent	22
Related Topics	22
Navigating the Software	23
Related Topics	23
Home	23
Related Procedures	23
Related Topics	23
Overall Software Status	24
Procedures	24
Related Topics	24
Overall Software Status Icons	24
Related Topics	26
Viewing Installed Software	26
Related Topics	27
HP ProLiant and HP Integrity Support Pack Details	27
Related Topics	28
Reference Support Pack	28
Related Procedures	28
Related Topics	28
Showing/Hiding Software	28
Related Topics	28
Changing Agent Settings	29
Related Topics	30
Updating Software	30

Related Topics	31
Refreshing Inventory Data	31
Related Topics	31
Printing Software Status	31
Print Software Status	31
Related Topics	32
Log	32
Procedures	32
Related Topics	32
Viewing the Log	32
Related Topics	33
Viewing Details for Single Log Entry	34
Related Topics	34
Clearing the Log	34
Related Topics	35
Changing Log Settings	35
Related Topics	36
Troubleshooting	37
HP Version Control Agent	37
HP Systems Insight Manager Problems	37
Log Problems	38
Replicate Agent Settings Problems	39
Print Problems	40
Repository Problems	40
Software Inventory Problems	40
HP Version Control Repository Manager	42
Access Problems	42
Browser Problems	43
Catalog Problems	44
Log Problems	44
ProLiant Support Pack Problems	45
Miscellaneous Problems	46
Service and Support	47
Windows 2000/NT Events	47
Related Topics	48
Glossary	49
Index	52

Product Overview

The HP Version Control Agent is an HP Insight Management Agent that is installed on a system to enable you to view 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 ProLiant or Integrity Support Pack listed in the Version Control Repository Manager. You can also update individual components or an entire ProLiant or Integrity 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 logs 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"** . View the currently installed software.
- **"Changing Agent Settings"** . Select a Version Control Repository Manager as a reference point for obtaining software updates.
- **"Overall Software Status"** . Select a ProLiant or Integrity Support Pack as a managed baseline.
- **"HP ProLiant and HP Integrity Support Pack Details"** . View the details associated with a ProLiant or Integrity Support Pack or individual software component that is in the version control repository.
- **"Updating Software"** . Install a ProLiant or Integrity Support Pack or individual software component from the version control repository.

- **"Printing Software Status"** . Print the installed software inventory and software status.
- **"Viewing the Log"** . View the Version Control Agent log.
- **"Clearing the Log"** . Clear the Version Control Agent log.
- **"Changing Log Settings"** . Configure the log to automatically delete older entries reducing maintenance activity for administrators.
- **"Changing Log Settings"** . 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](#)

Legal Notices

Confidential 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.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Warranty

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

Restricted Rights Legend

Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 for DOD agencies, and subparagraphs (c) (1) and (c) (2) of the Commercial Computer Software Restricted Rights clause at FAR 52.227-19 for other agencies.

HEWLETT-PACKARD COMPANY
3000 Hanover Street
Palo Alto, California 94304 U.S.A.

Use of this documentation and any supporting software media supplied for this pack is restricted to this product only. Additional copies of the programs might be made for security and backup

purposes only. Resale of the programs, in their present form or with alterations, is expressly prohibited.

Copyright Notice

© Copyright 2004-2005 Hewlett-Packard Development Company, L.P.

Trademark Notices

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, Celeron, Itanium, Pentium, and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Java is a U.S. trademark of Sun Microsystems, Inc.

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

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

UNIX is a registered trademark of The Open Group.

Release History

Version 2.2, August 2005

To ensure that you receive newer versions when they become available, subscribe to the appropriate product support service. See your HP sales representative for details.

Licensing

Software Licensing

The HP Version Control Agent software includes open source and proprietary software developed or obtained through the third parties listed in the table below. More specifically, the developed or obtained code consists of the licensed Ancillary Software listed below. Installation, copying or otherwise using the Product (as defined in the End-User License Agreement) constitutes acceptance of the Ancillary Software license terms, whether such terms are reviewed.

HP Version Control Agent - Third Party Licensing

Licensed Ancillary Software	Third Party
Xerces	The Apache Software Foundation - <ul style="list-style-type: none">• http://www.apache.org (http://www.apache.org)

Licensed Ancillary Software	Third Party
Xalan	The Apache Software Foundation - <ul style="list-style-type: none">● http://www.apache.org (http://www.apache.org)
Gcc v3.2 (Linux version only)	The GNU Project - <ul style="list-style-type: none">● http://www.gnu.org (http://www.gnu.org)

Related Topics

- Apache
- GNU

Apache

Apache License 2.0

January 2004

<http://www.apache.org>

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations,

or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - a. You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - b. You must cause any modified files to carry prominent notices stating that You changed the files; and
 - c. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
 - d. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the

NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We

also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Related Topics

- Licensing
- GNU

GNU

GNU General Public License

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you". Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a. You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
 - b. You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
 - c. If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

4. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
 - a. Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange;
 - or
 - b. Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

or

- c. Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

5. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
6. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
7. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
8. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting

the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

9. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
10. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
11. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

12. Because the program is licensed free of charge, there is no warranty for the program, to the extent permitted by applicable law. Except when otherwise stated in writing, the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.
13. In no event, unless required by applicable law or agreed to in writing, will any copyright holder or any other party who may modify and/or redistribute the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

END OF TERMS AND CONDITIONS

GNU Lesser General Public License

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a. The modified work must itself be a software library.
 - b. You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

- c. You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d. If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

- 3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy. This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

- 4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License. However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
 - a. Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
 - b. Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
 - c. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
 - d. If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
 - e. Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major

components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a. Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b. Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents

or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Related Topics

- [Licensing](#)
- [Apache](#)

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 an HP ProLiant and Integrity 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 might 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
- Updating Software
- Viewing Installed Software

Related Topics

- Home
- Log
- Overall Software Status Icons

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 (hpsm RPM) 7.00 or later to obtain any inventory data. HP recommends installing the current version that is in the same HP ProLiant and Integrity 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 appears if **Anonymous Access** is disabled. If **Anonymous Access** is enabled, the **System Management Homepage** page appears.
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 appears.

Related Topics

- Getting Started
- Logout

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

Navigating the Software

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

- "Home"
- "Log"

Related Topics

- Overall Software Status Icons
- Home
- Log

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" 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"
- "Overall Software Status Icons"
- "Viewing Installed Software"
- "HP ProLiant and HP Integrity Support Pack Details"
- "Reference Support Pack"
- "Showing/Hiding Software"
- "Changing Agent Settings"
- "Updating Software"
- "Refreshing Inventory Data"
- "Printing Software Status"

Related Procedures

- Login
- Logout

Related Topics

- Overall Software Status Icons

- Licensing
- Overall Software Status

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 appears 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 Major 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" .

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 appears.

Procedures

- Changing Agent Settings
- Updating Software

Related Topics

- Overall Software Status Icons
- Navigating the Software

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 might 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 might 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.** The installed version does not match the version of the same item in the Reference Support Pack, and the Version Control Agent settings specify that an exact match is expected.

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](#)
- [Log](#)

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 might 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** appears 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 is considered current when determining the Overall Software Status.

Related Topics

- Overall Software Status Icons
- Updating Software

HP ProLiant and HP Integrity Support Pack Details

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

To view details about a specific ProLiant and Integrity Support Pack or component:

1. Select the **Home** tab. The **Home** page appears.
2. Click on the **Details** hyperlink associated with the item you want to view detailed information about. The **Details** page appears linking you to a page in the HP Version Control Repository Manager.

Related Topics

- [Home](#)
- [Overall Software Status Icons](#)
- [Viewing Installed Software](#)

Reference Support Pack

The Reference Support Pack is configured by using the ["Changing Agent Settings"](#) 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 an HP ProLiant and Integrity 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](#)
- [Overall Software Status Icons](#)

Related Topics

- [Home](#)
- [Overall Software Status Icons](#)

Showing/Hiding Software

The **Show Additional Items Available in the Repository** link provides the Available Software list of ProLiant and Integrity Support Packs and components available for installation. Available ProLiant and Integrity 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 ProLiant and Integrity 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 appears.
2. Click **Show Additional Items Available in the Repository**. The available software appears on the **Home** page.

To hide additional items in the repository:

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

Related Topics

- [Home](#)
- [Overall Software Status Icons](#)

- Changing Agent Settings

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 appears.
2. Click **Change Agent Settings**. The **Select the Version Control Repository Manager** page appears.
 - 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 appears. 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 appears, 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 an HP ProLiant and Integrity 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 ProLiant and Integrity 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 appears on the **Current Settings** page.
5. Click **Close** to return to the **Home** page.

Note: If you click **Cancel**, a **Confirm Cancel** dialog box appears 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

Updating Software

The **Home** page enables you to install HP ProLiant and Integrity 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 ProLiant and Integrity Support Pack:

1. Select the **Home** tab. The **Home** page appears.
2. Click the **Install** icon next to the item you want to be installed. A component/ProLiant and Integrity Support Pack installation page for selecting installation options appears.
 - 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 ProLiant and Integrity 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 ProLiant and Integrity 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
- Overall Software Status Icons

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 appears.
2. Click **Refresh the Inventory Data**. The **Home** page is refreshed.

Related Topics

- Home
- Overall Software Status Icons

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 appears. The default **Print** dialog box is also displayed.
2. Click **Print**. The report is printed.

Related Topics

- [Home](#)

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"](#)
- ["Viewing Details for Single Log Entry"](#)
- ["Clearing the Log"](#)
- ["Changing Log Settings"](#)

Procedures

- [Viewing the Log](#)
- [Viewing Details for Single Log Entry](#)
- [Clearing the Log](#)
- [Changing Log Settings](#)

Related Topics

- [Home](#)
- [Navigating the Software](#)
- [Overall Software Status Icons](#)
- [Windows 2000/NT Events](#)

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 appears.

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 appears. 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
- Clearing the Log

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 appears 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" .

Note:



Depending on the type of situation that caused a log entry to be written, detail information is written in the Version Control Repository Manager's local operating system language or the client browser's language setting, if detail information in that language is available. Changes to the browser language setting after the log entry is written do not change the displayed language of the detail information.

To view log entry details:

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

Related Topics

- Viewing the Log
- HP ProLiant and HP Integrity Support Pack Details

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 is 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 appears.
2. Click **Clear the Log**. The **Clear the HP Version Control Agent Log** page appears.
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 appears.
 - b. Click **Save**. The **Save As** dialog box appears. Navigate to the location where you want to save the text file, and click **Save**. The **Clear the HP Version Control Agent Log** page appears again, indicating whether the **Version Control Agent Log** was cleared successfully.
5. Click **Close**. The **Log** page is refreshed.

Related Topics

- [Viewing the Log](#)
- [Viewing Installed Software](#)

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 appears.
2. Click **Change Log Settings**. The **Log Settings** page appears.
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 appears indicating whether the log settings were saved successfully.
8. Click **Close**. The **Log** page is refreshed.

Related Topics

- Clearing the Log
- Viewing the Log

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 appears.

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 appears, "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.

After installing the System Management Homepage from the installation icon in the Version Control Agent, the Version Control Agent log disappeared and indicated that the page cannot be displayed. What happened to the log?

Solution: The System Management Homepage is restarted during the installation which disrupts the connection between the client browser application and the system. To resolve this issue, HP recommends that you login to the System Management Homepage again and view the Version Control Agent log directly to determine the status of the installation task.

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>.

Print Problems

When I try to print from a Mozilla browser, a dialog box displays indicating there is an Unknown Error. Why is this happening?

Solution: A default printer has not been configured. HP recommends that you configure a default printer to resolve this issue.

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, *vcadmin*.

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 HP SmartStart CD 5.2 and the **Catalog** of your Version Control Repository Manager contains new HP SmartStart CD 5.3 components, the inventory of the Version Control Agent displays the previously mentioned 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 previously indicated. 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 ProLiant 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 ProLiant Support Pack 7.10 and earlier might 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 ProLiant 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 appears.
2. Click **Custom Level**. The **Security Settings** dialog box appears.
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 ProLiant and Integrity 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 HP SmartStart CD* (for ProLiant servers) or HP 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 ProLiant 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.

After I use the 'Upload a Support Pack' feature, why are some of the new Support Packs marked invalid and other files missing, even though the upload appeared to complete successfully?

Solution: The upload completes once all files have been transferred from the local system to the Version Control Repository Manager. For performance reasons, transferred files are queued for cataloging as a separate activity at the Version Control Repository Manager server, meaning that upon completion of the upload, not all of the files will immediately appear in the catalog, and uploaded Support Packs may be marked as invalid until all files have been cataloged, usually within a few minutes.

Log Problems

Why are there multiple log entries in the Version Control Repository Manager log about components being modified or added after a ProLiant and Integrity Support Pack is uploaded?

Solution: The Version Control Repository Manager logs the specific additions that it receives from the upload control, but it also monitors the repository directory as a separate activity. The operating system provides separate notifications about changes in the repository directory, and these can result in multiple log entries, which can be ignored.

ProLiant Support Pack Problems

After setting the repository directory with the encryption attribute and restarting the Version Control Repository Manager service, none of the ProLiant 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 ProLiant 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 ProLiant 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 appears.
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 ProLiant 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, ProLiant Support Packs cannot be used for comparison when developing a software update search. However, if you must compare ProLiant Support Packs, use the following guidelines when selecting ProLiant Support Packs to compare:

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

It is unlikely that all of the components in a ProLiant 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 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/swdrivers>. 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 <http://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](#)
- [Log](#)
- [Navigating the Software](#)

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.
HP ProLiant and Integrity Support Pack	An ProLiant and 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. An ProLiant and Integrity 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 ProLiant and Integrity Support Packs 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 might 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.

Index

C

copyright, 5

G

getting started
 HP Version Control Agent, 20

H

Home
 HP Version Control Agent, 23
HP ProLiant and Integrity Support Pack
 viewing details, 27
HP Version Control Agent
 Apache software license, 7
 change Agent settings, 29
 change log settings, 35
 clear the log, 34
 getting started, 20
 GNU general public license, 10
 Home, 23
 install software, 30
 Log, 32
 navigating, 23
 overall software status, 24
 overall software status icons, 24
 print installed software, 31
 print software status, 31
 product information, 4
 Reference Support Pack, 28
 refresh inventory data, 31
 Replicate Agent Settings, 4
 show additional items available in repository, 28
 software licensing, 6
 update software, 30
 view details of a single log entry, 34
 view installed software, 26
 view log, 32
 viewing ProLiant and Integrity Support Pack details,
 27
 Windows 2000/NT Events, 47

L

legal notices, 5
licensing
 HP Version Control Agent, 6
 HP Version Control Agent - Apache software
 license, 7
 HP Version Control Agent - GNU general public
 license, 10

Log
 HP Version Control Agent, 32
 Windows 2000/NT Events, 47

log

change HP Version Control Agent log settings, 35
change HP Version Control Agent settings, 29
clear the log, 34

N

navigating
 HP Version Control Agent, 23

O

overall software status
 status icons, 24
overview
 HP Version Control Agent overall software status,
 24

R

release history, 5

T

trademarks, 5
Troubleshooting
 Version Control Agent, 37
troubleshooting
 reference, 47
 Version Control Repository Manager, 37

W

warranty, 5