HP Configuration Management

New Features and Release Notes

Software version: 5.11 / September 2008

This document provides an overview of the changes made to the Configuration Management (CM) suite of products for the 5.11 release. It contains a bulleted list of new features and functionality for each product, tables that show current software and hardware support for each product, and tables that show backward compatibility of some of the components of this release with previously released versions of CM.

In This Version

All components have been rebranded from Radia to HP Configuration Management. Software and hardware requirements have changed for many products. See Software and Hardware Requirements on page 5 for details of current support.

Documentation Updates

The first page of this document contains the following identifying information:

- Version number, which indicates the software version.
- Publish date, which changes each time this document is updated.

Always check the HP Software Product Manuals web site to verify that you are using the most recent version of this release note. This web site requires that you have an HP Passport ID and password. If you do not have one, you may register for one at:

http://h20229.www2.hp.com/passport-registration.html

Or click the **New users - please register** link on the HP Passport login page.

Once you have your HP Passport ID and password, go to:

http://h20230.www2.hp.com/selfsolve/manuals

1   In the Product list, scroll to and click the product name, CM (Configuration Management).

2   In the Product version list, click the version number.

3   In the Operating System list, click the operating system.

4   In the Optional: Enter keyword(s) or phrases box, you may enter a search term, but this is not required.

5   Select a search option: All words, Any words, or Exact match/Error message.

6   Select a sort option: by date or title.

7   A list of documents meeting the search criteria you entered is returned.

8   You can then filter the documents by language. Click the down arrow next to **Show Manuals for: English**. Select another language from the drop-down list.

9   To view the document in PDF format, click the PDF file name for that document.

NOTE: To view files in PDF format (`*.pdf`), Adobe Acrobat Reader must be installed on your system. To download Adobe Acrobat Reader, go to the following URL: **http://www.adobe.com.**

CM Documentation Library Changes for 5.10

The following changes were made to the documentation library for the release of CM 5.10.

- The CM Application Manager and CM Application Self-service Manager guides have been combined into one guide for each platform:
  — *HP CM Application Manager and Application Self-service Manager Installation and Configuration Guide*

- The CM Administrator CSDB Editor Guide, CM Administrator Publisher Guide, and the Packaging chapters from the CM Application Manager and CM Application Self-service guides were all combined into one new guide:

  — *HP CM Administrator User Guide*

- The installation of the CM Enterprise Manager is now detailed in the CM Getting Started Guide, the title of which has been revised to:

  — *HP CM Configuration Server, Portal, and Enterprise Manager Getting Started Guide*

Installation Notes

Installation directories have changed. All occurrences of "novadigm" have been replaced with "Hewlett-Packard." For example,

`C:\Novadigm`	is now	`C:\Program Files\Hewlett-Packard\CM`
`C:\Program Files\Novadigm`	is now	`C:\Program Files\Hewlett-Packard\CM`
`/opt/Novadigm`	is now	`/opt/HP/CM`

The CM Portal no longer installs into a shared Integration Server path, port, or service. See Portal on page 41.

You can find installation instructions for each product in its respective installation and configuration guide. These guides, in Adobe Acrobat (`.pdf`) format, are on the product DVD in the `\Documentation` directory. You can also find these guides on the HP Software Product Manuals web site. See Documentation Updates on page 3 for the URL and instructions on how to find them.

** RESOLVED** Installation of Infrastructure into a non-ASCII installation path is not supported

PROBLEM:	Use of the standard install program (setup.exe or setup) does not allow installation of Infrastructure modules into directories with non-ASCII installation paths. This limitation applies to the Infrastructure listed in Table 1 on page 6, except for Enterprise Manager. (Enterprise Manager supports non-ASCII installation paths.)
CAUSE:	Presently there is no support for non-ASCII installation paths.
WORKAROUND:	The CM 5.11 release resolves this issue.

Software and Hardware Requirements

Only operating systems explicitly listed in the compatibility matrices (Table 1, Table 2, and Table 3) are supported within a specific product release. Any operating system released after the original shipping date for HP software release is not supported, unless otherwise noted. Customers must upgrade HP software in order to receive support for new operating systems.

HP Software will support new releases of operating system service packs, however, only new versions of HP software will be fully tested against the most recent service packs. As a result, HP reserves the right to require customers to upgrade their HP software in order to resolve compatibility issues identified between an older release of HP software and a specific operating system service pack.

In addition, HP Software support for operating systems no longer supported by the original operating system vendors (custom support agreements not withstanding) will terminate at the same time as the vendor's support for that operating system.

In addition, HP announces product version obsolescence on a regular basis. The information about currently announced obsolescence programs can be obtained from HP support.

The following tables contain the software and hardware requirements for the CM 5.11 release.

Table 1 CM 5.11 Infrastructure Platform Support

Vendor	OS Name	OS Version #	bits	chipset	Adapter for Service Desk	Configuration Server	Distributed Configuration Svr	Enterprise Manager	Messaging Server	Multicast Server	OS Manager Server	Patch Manager Server	Policy Server	Portal	Proxy Server	Reporting Server
HP	HP-UX	11.0	64	PA-RISC 2.0	N	Y	Y	N	Y	Y	N	N	Y	N	Y	N
HP	HP-UX	11.11	64	PA-RISC 2.0	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
HP	HP-UX	11.23	64	PA-RISC 2.0	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
HP	HP-UX	11.31	64	PA-RISC 2.0	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
HP	HP-UX	11.23	64	Intel Itanium	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
HP	HP-UX	11.31	64	Intel Itanium	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
IBM	AIX	4.3	64	PPC	N	N	N	N	N	N	N	N	N	N	N	N
IBM	AIX	5.1	64	PPC	N	Y	Y	N	Y	N	N	N	N	N	Y	N
IBM	AIX	5.2	64	PPC	N	Y	Y	N	Y	N	N	N	N	N	Y	N
IBM	AIX	5.3	64	PPC	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
MS	Windows	95	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
MS	Windows	98	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
MS	Windows	NT SP6a	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
MS	Windows	2000 Prof SP4	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
MS	Windows	XP Prof SP2	32	x86	N	N	N	N	N	N	N	N	N	N	Y	N
MS	Windows	2000 Server SP4	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MS	Windows	2003 Server SP2	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MS	Windows	Vista Business, Enterprise	32	x86	N	N	N	N	N	N	N	N	N	N	Y	N
MS	Windows	2003 Server R2 SP2	32	x86	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
MS	Windows	XP Prof x64	64	AMD64/EM64T	N	N	N	N	N	N	N	N	N	N	Y	N
MS	Windows	Vista Business, Enterprise	64	AMD64/EM64T	N	N	N	N	N	N	N	N	N	N	Y	N
MS	Windows	2003 Server SP2	64	AMD64/EM64T	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MS	Windows	2003 Server R2 SP2	64	AMD64/EM64T	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
Novell	NetWare	5.0, 6.x	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
Novell	SuSE Linux Entrprise Svr	8	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
Novell	SuSE Linux Entrprise Svr	9	32	x86	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Novell	SuSE Linux Entrprise Svr	10	32	x86	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Novell	SuSE Linux Entrprise Svr	8	64	AMD64/EM64T	N	N	N	N	N	N	N	N	N	N	N	N
Novell	SuSE Linux Entrprise Svr	9	64	AMD64/EM64T	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Novell	SuSE Linux Entrprise Svr	10	64	AMD64/EM64T	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux ES, AS	2.1	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
Red Hat	Enterprise Linux ES, AS	3.0	32	x86	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux ES, AS	4.0	32	x86	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux Server	5.0	32	x86	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux ES, AS	2.1	64	AMD64/EM64T	N	N	N	N	N	N	N	N	N	N	N	N
Red Hat	Enterprise Linux ES, AS	3.0	64	AMD64/EM64T	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux ES, AS	4.0	64	AMD64/EM64T	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Red Hat	Enterprise Linux Server	5.0	64	AMD64/EM64T	N	Y	Y	N	Y	N	Y	N	N	N	Y	N
Sun	Solaris	8	32	x86	N	N	N	N	N	N	N	N	N	N	N	N
Sun	Solaris	9	32	x86	N	N	N	N	N	N	N	N	N	N	Y	N
Sun	Solaris	10	64	x86	N	N	N	N	N	N	N	N	N	N	Y	N
Sun	Solaris	8	64	SPARC	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
Sun	Solaris	9	64	SPARC	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N
Sun	Solaris	10	64	SPARC	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	N

Product: CM-

Table 2   CM 5.11 Administrator Tools Platform Support

Vendor	OS Name	OS Version #	Bits	chipset	Administrator	AMPs Editor	Batch Publisher	Configuration Analyzer	Ext. for Windows Installer	Knowledge Base Server
Apple	Mac OS X	10.3	32	PowerPC	Y	N	N	N	N	N
Apple	Mac OS X	10.4	32	PowerPC	Y	N	N	N	N	N
Apple	Mac OS X	10.3	64	PowerPC	Y	N	N	N	N	N
Apple	Mac OS X	10.4	64	PowerPC	Y	N	N	N	N	N
HP	HP-UX	11.0	64	PA-RISC 2.0	Y	N	Y	N	N	N
HP	HP-UX	11.11	64	PA-RISC 2.0	Y	N	Y	N	N	N
HP	HP-UX	11.23	64	PA-RISC 2.0	Y	N	Y	N	N	N
HP	HP-UX	11.31	64	PA-RISC 2.0	Y	N	Y	N	N	N
HP	HP-UX	11.23	64	Intel Itanium	Y	N	Y	N	N	N
HP	HP-UX	11.31	64	Intel Itanium	Y	N	Y	N	N	N
IBM	AIX	4.3	64	PPC	N	N	N	N	N	N
IBM	AIX	5.1	64	PPC	Y	N	Y	N	N	N
IBM	AIX	5.2	64	PPC	Y	N	Y	N	N	N
IBM	AIX	5.3	64	PPC	Y	N	Y	N	N	N
MS	Windows	95	32	x86	N	N	N	N	N	N
MS	Windows	98	32	x86	N	N	N	N	N	N
MS	Windows	NT SP6a	32	x86	N	N	N	N	N	N
MS	Windows	2000 Prof SP4	32	x86	Y	Y	Y	N	N	N
MS	Windows	XP Prof SP2	32	x86	Y	Y	Y	N	N	N
MS	Windows	Vista Bus, Ent, Ult	32	x86	Y	Y	Y	N	N	N
MS	Windows	2000 Server SP4	32	x86	Y	Y	Y	Y	Y	Y
MS	Windows	2003 Server SP2	32	x86	Y	Y	Y	Y	Y	Y
MS	Windows	2003 Server R2 SP2	32	x86	Y	Y	Y	N	N	N
MS	Windows	2008 Server Stand, Ent	32	X8	Y	Y	Y	N	N	N
MS	Windows	XP Prof SP2	64	AMD64/EM64T	Y	Y	Y	N	N	N
MS	Windows	Vista Bus, Ent, Ult	64	AMD64/EM64T	Y	Y	Y	N	N	N
MS	Windows	2003 Server SP2	64	AMD64/EM64T	Y	Y	Y	Y	N	Y
MS	Windows	2003 Server R2 SP2	64	AMD64/EM64T	Y	Y	Y	N	N	N
MS	Windows	2008 Server Stand, Ent	64	AMD64/EM64T	Y	Y	Y	N	N	N
MS	Windows	2003 Server SP2	64	Intel Itanium	Y	Y	Y	N	N	N
MS	Windows	2003 Server R2 SP2	64	Intel Itanium	Y	Y	Y	N	N	N
MS	Windows	2008 Server Stand, Ent	64	Intel Itanium	Y	Y	Y	N	N	N
Novell	NetWare	5.0, 6.x	32	x86	N	N	N	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	8	32	x86	Y	N	Y	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	9	32	x86	Y	N	Y	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	10	32	x86	Y	N	Y	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	8	64	AMD64/EM64T	Y	N	Y	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	9	64	AMD64/EM64T	Y	N	Y	N	N	N
Novell	SuSE Linux Entrprs Svr/Dktp	10	64	AMD64/EM64T	Y	N	Y	N	N	N
Red Hat	Enterprise Linux ES, AS	2.1	32	x86	N	N	N	N	N	N
Red Hat	Enterprise Linux ES, AS	3.0	32	x86	Y	N	Y	N	N	N
Red Hat	Enterprise Linux ES, AS	4.0	32	x86	Y	N	Y	N	N	N
Red Hat	Enterprise Linux Server	5.0	32	x86	Y	N	Y	N	N	N
Red Hat	Enterprise Linux ES, AS	2.1	64	AMD64/EM64T	N	N	N	N	N	N
Red Hat	Enterprise Linux ES, AS	3.0	64	AMD64/EM64T	Y	N	Y	N	N	N
Red Hat	Enterprise Linux ES, AS	4.0	64	AMD64/EM64T	Y	N	Y	N	N	N
Red Hat	Enterprise Linux Server	5.0	64	AMD64/EM64T	Y	N	Y	N	N	N
Red Hat	Enterprise Linux ES, AS	4.0	64	Intel Itanium	Y	N	Y	N	N	N
Red Hat	Enterprise Linux Server	5.0	64	Intel Itanium	Y	N	Y	N	N	N
Sun	Solaris	8	32	x86	N	N	N	N	N	N
Sun	Solaris	9	32	x86	N	N	Y	N	N	N
Sun	Solaris	10	64	x86	N	N	Y	N	N	N
Sun	Solaris	8	64	SPARC	Y	N	Y	N	N	N
Sun	Solaris	9	64	SPARC	Y	N	Y	N	N	N
Sun	Solaris	10	64	SPARC	Y	N	Y	N	N	N

Table 3 CM 5.11 Agent Platform Support

Vendor	OS Name	OS Version #	bits	chipset	Product: CM- Application Manager	AMPs Agent	Application Self-service Mgr	Application Usage Manager	Ext for Windows Installer	Inventory Manager	OS Manager Agent	Patch Manager Agent	Portal Agent	Win Term Svr & Ctx Supp
Apple	Mac OS X	10.3	32	PowerPC	Y	N	N	N	N	N	N	N	N	N
Apple	Mac OS X	10.4	32	PowerPC	Y	N	N	N	N	N	N	N	N	N
Apple	Mac OS X	10.3	64	PowerPC	Y	N	N	N	N	N	N	N	N	N
Apple	Mac OS X	10.4	64	PowerPC	Y	N	N	N	N	N	N	N	N	N
HP	HP-UX	11.0	64	PA-RISC 2.0	Y	Y	Y	N	N	Y	N	Y	Y	N
HP	HP-UX	11.11	64	PA-RISC 2.0	Y	Y	Y	N	N	Y	Y	Y	Y	N
HP	HP-UX	11.23	64	PA-RISC 2.0	Y	Y	Y	N	N	Y	Y	Y	Y	N
HP	HP-UX	11.31	64	PA-RISC 2.0	Y	Y	Y	N	N	Y	Y	Y	Y	N
HP	HP-UX	11.23	64	Intel Itanium	Y	Y	Y	N	N	Y	Y	Y	Y	N
HP	HP-UX	11.31	64	Intel Itanium	Y	Y	Y	N	N	Y	Y	Y	Y	N
IBM	AIX	4.3	64	PPC	N	N	N	N	N	N	N	N	N	N
IBM	AIX	5.1	64	PPC	Y	Y	Y	N	N	Y	N	N	Y	N
IBM	AIX	5.2	64	PPC	Y	Y	Y	N	N	Y	N	N	Y	N
IBM	AIX	5.3	64	PPC	Y	Y	Y	N	N	Y	Y	N	Y	N
Microsoft	Windows	95	32	x86	N	N	N	N	N	N	N	N	N	N
Microsoft	Windows	98	32	x86	N	N	N	N	N	N	N	N	N	N
Microsoft	Windows	NT SP6a	32	x86	N	N	N	N	N	N	N	N	N	N
Microsoft	Windows	2000 Prof SP4	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Microsoft	Windows	XP Prof SP2	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Microsoft	Windows	2000 Server SP4	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Microsoft	Windows	2003 Server SP2	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Microsoft	Windows	2003 Server R2 SP2	32	x86	Y	N	Y	Y	Y	Y	N	Y	Y	Y
Microsoft	Windows	2008 Server Std, Ent	32	X86	Y	Y	Y	Y	N	Y	Y	Y	Y	N
Microsoft	Windows	Vista Bus, Ent, Ult	32	x86	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Microsoft	Windows	XP Prof SP2	64	AMD64/EM64T	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Microsoft	Windows	Vista Bus, Ent, Ult	64	AMD64/EM64T	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Microsoft	Windows	2003 Server SP2	64	AMD64/EM64T	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
Microsoft	Windows	2003 Server R2 SP2	64	AMD64/EM64T	Y	N	Y	Y	N	Y	N	Y	Y	Y
Microsoft	Windows	2008 Server Std, Ent	64	AMD64/EM64T	Y	Y	Y	Y	N	Y	Y	Y	Y	N
Microsoft	Windows	2003 Server SP2	64	Intel Itanium	Y	N	Y	N	N	Y	N	N	Y	N
Microsoft	Windows	2003 Server R2 SP2	64	Intel Itanium	Y	N	Y	N	N	Y	N	N	Y	N
Microsoft	Windows	2008 Server Std, Ent	64	Intel Itanium	Y	N	Y	N	N	Y	N	N	Y	N
Novell	NetWare	5.0;6.x	32	x86	N	N	N	N	N	N	N	N	N	N
Novell	SuSE Linux Enterprise Server	8	32	x86	Y	Y	Y	N	N	Y	N	Y	Y	N
Novell	SuSE Linux Enterprise Server	9	32	x86	Y	Y	Y	N	N	Y	Y	Y	Y	N
Novell	SuSE Linux Enterprise Server	10	32	x86	Y	Y	Y	N	N	Y	Y	N	Y	N
Novell	SuSE Linux Enterprise Server	8	64	AMD64/EM64T	Y	Y	Y	N	N	Y	N	Y	Y	N
Novell	SuSE Linux Enterprise Server	9	64	AMD64/EM64T	Y	Y	Y	N	N	Y	Y	Y	Y	N
Novell	SuSE Linux Enterprise Server	10	64	AMD64/EM64T	Y	Y	Y	N	N	Y	Y	N	Y	N
Red Hat	Enterprise Linux ES, AS, WS	2.1	32	x86	N	N	N	N	N	N	N	Y	N	N
Red Hat	Enterprise Linux ES, AS, WS	3.0	32	x86	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux ES, AS, WS	4.0	32	x86	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux ES, AS, WS	5.0	32	x86	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux ES, AS, WS	2.1	64	AMD64/EM64T	N	N	N	N	N	N	N	Y	N	N
Red Hat	Enterprise Linux ES, AS, WS	3.0	64	AMD64/EM64T	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux ES, AS, WS	4.0	64	AMD64/EM64T	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux Server,	5.0	64	AMD64/EM64T	Y	Y	Y	N	N	Y	Y	Y	Y	N
Red Hat	Enterprise Linux ES, AS, WS	4.0	64	Intel Itanium	Y	N	Y	N	N	Y	N	N	Y	N
Red Hat	Enterprise Linux Server,	5.0	64	Intel Itanium	Y	N	Y	N	N	Y	N	N	Y	N
Sun	Solaris	8	32	x86	Y	N	Y	N	N	Y	N	N	Y	N
Sun	Solaris	9	32	x86	Y	N	Y	N	N	Y	N	N	Y	N
Sun	Solaris	10	32	x86	Y	N	Y	N	N	Y	N	N	Y	N
Sun	Solaris	8	64	SPARC	Y	Y	Y	N	N	Y	Y	Y	Y	N
Sun	Solaris	9	64	SPARC	Y	Y	Y	N	N	Y	Y	Y	Y	N
Sun	Solaris	10	64	SPARC	Y	Y	Y	N	N	Y	Y	Y	Y	N

Backward Compatibility

The following tables contain information about the backward compatibility of some components of the CM 5.x release with previously released versions of CM/Radia.

Table 4   **Backward compatibility for agents and Administrator**

Description	CM 4.x RCS \ Database	CM 5.x Configuration Server \ Database	CM 4.x Client Objects	CM 5.x Agent Objects
CM 3.x, 4.x, 5.x agents\clients	Y	Y		
CM 3.x, 4.x System Explorer, Packager, MSI Publisher	Y	N		
CM 5.x Configuration Server Database Editor, Packager, MSI Publisher	N	Y		
CM 3.x, 4.x Client Explorer			Y	N
CM 5.x Agent Explorer			Y	Y

Table 5   **Backward compatibility for packaged applications**

Description	Import to 4.x RCS	Import to 5.x Configuration Server
Packaged Applications in CM 4.x RCS	Y	Y
Packaged Applications in CM 5.x Configuration Server	N	Y

Table 6   **Backward compatibility for Patch Agent**

Description	CM 4.x Infrastructure, 2.x Patch Manager	CM 4.x Infrastructure, 3.x Patch Manager	CM 5.x Infrastructure, 5.x Patch Manager
Patch Agent 2.x	Y	N	N
Patch Agent 3.x	N	Y	Y
Patch Agent 5.x	N	Y	Y

Table 7   Backward compatibility for OS Manager Agent

Description	CM 4.x Infrastructure with 2.1 OS Manager	CM 5.00 Infrastructure with 5.00 OS Manager	CM 5.10 Infrastructure with 5.10 OS Manager
OS Manager Agent 2.1	Y	N	Y[1]
OS Manager Agent 5.0	Y[1]	Y	Y[1]
OS Manager Agent 5.1	Y[1]	Y[1]	Y

1 Except HP-UX re-installs

Table 8   Backward compatibility for infrastructure components

Description	CM 4.x Infrastructure	CM 5.00 Infrastructure	CM 5.10 Infrastructure
Enterprise Manager 5.1[1]	N	N	Y
OS Manager 2.1	Y	N	N
OS Manager 5.00	N	Y	N
OS Manager 5.10[1]	N	N	Y
OS Manager 5.11	N	N	Y
Configuration Server 5.10	N	Y	Y
Publisher 4.x	Y	N	N
Publisher 5.00	N	Y	Y
Publisher 5.10	N	Y	Y
Publisher 5.11	N	Y	Y
Messaging Server 5.10	N	Y	Y
Messaging Server 5.11	N	Y	Y
Management Portal 5.10	N	Y	Y
Application Usage Manager 5.10[2]	N	N	Y
Application Usage Manager 5.11	N	Y	Y
Reporting Server	N	N	Y

1 Requires 5.10 infrastructure
2 Requires version 5.10 of the Messaging Server and Reporting Server

Enhancements and Known Issues

This section contains an alphabetized list of products in this release, with a bulleted list of new features and functionality, installation issues, and known problems for each product.

New features introduced in the CM 5.11 release appear in bullets that contain "CM 5.11." All other features were part of the CM 5.10 release.

Adapter for Service Desk

- No changes for this release.

Administrator

- When upgrading from 5.10 to 5.11, you need to use the following command to upgrade:

  setup.exe REINSTALLMODE=vomus REINSTALL=ALL

  If you do not do this, you will get a message that another version of the product is already installed.

CM 4.2i or higher Administrator is not compatible with CM 4.0 or lower agent

PROBLEM:	Agent objects look like they are corrupt.
CAUSE:	Installing a 4.2i or 5.0 Administrator on a 4.0.x agent machine adds a CENCODE variable to the LICENSE.EDM object. This tells NVDKIT to create version 4 objects, which look corrupt to a version 4.0 agent.
WORKAROUND:	You cannot have a 4.2i or higher Administrator and a 4.0 or lower agent co-exist on the same machine. Both agent and Administrator need to be at the same level. To get the 4.0 agent working again, remove the CENCODE variable from the LICENSE.EDM object, and remove the ADMIN from the machine.

Administrator or Agent installations fail to start up when installed to Chinese directory on AIX

PROBLEM:	Installation of the agent or Administrator cannot be installed in a native Chinese directory.
CAUSE:	Installing into a Chinese directory.
WORKAROUND:	Agent and Administrator installations must be performed in ASCII-only directories, such as `/opt/HP`.

Version mismatch in a title of HP OpenView CM Administrator Install panel (on UNIX platforms)

PROBLEM:	A title of HP OpenView CM Administrator Install panel (on UNIX platforms) displays its version as 5.10.0000 instead of 5.11.0000. This is a cosmetic issue and does not affect HP OpenView CM Administrator operations.
CAUSE:	An incorrect value is contained in the `setup.cfg` file located in the `Configuration Server\management_infrastructure\administrator_workstation` folder on the installation media.
WORKAROUND:	Copy the `setup.cfg` file (from the directory described above) to a local directory and change the value of the `./install -cfg <local_directory>/setup.cfg`

Admin Packager

- Component Selection Mode was removed from the CM Admin Packager. It is now only available in the CM Admin Publisher.

- When Vista reboots, various dynamic data are created which may be unique to a particular PC. Therefore, when you use the Installation Monitor mode of the CM Admin Packager, you should

  — do a snapshot of just the reboot on your machine to see what files and registry keys are dynamically created or updated during a Vista reboot.

  — and do a snapshot without a reboot to identify which files and registry keys Vista changes over time.

  None of these files should be included in this Vista package. You can use the file exclusion list in ZPAKFILX.edm and the registry exclusion list in ZPAKREGX.edm to exclude these files from the package during the packaging session.

Admin Publisher

- The Component Selection Mode of packaging has been added to the CM Admin Publisher.

- Several corrections were made to the sample configuration file in the *HP CM Administrator Guide* section on "Customizing Configuration File Values with Symbolic Substitution." Here is the revised sample configuration file. Do not use previously published versions of this file, as they do not work.

```
# ----------------------------------------------------------------------------------
#      Publisher – Sample imbedded MSI Properties Configuration File
# ----------------------------------------------------------------------------------
#----------------------------------------------------------------------------------
#      Package related variables
#----------------------------------------------------------------------------------
pkgname             {%MSIPROP.RADIA_PKG_DISPLAY_NAME%}
package             {%MSIPROP.RADIA_PKG_INSTANCE_NAME%}
pkgdesc             {%MSIPROP.RADIA_PKG_DESCRIPTION%}
path                {PRIMARY.SOFTWARE}
#----------------------------------------------------------------------------------
#      Service related variables
#----------------------------------------------------------------------------------
addtosvc            {%MSIPROP.RADIA_ADDTOSVC%}
service             {%MSIPROP.RADIA_SVC_INSTANCE_NAME%}
svcname             {%MSIPROP.RADIA_SVC_DISPLAY_NAME%}
svcdesc             {%MSIPROP.RADIA_SVC_DESCRIPTION%}

attr PACKAGE {
     RELEASE        {%MSIPROP.RADIA_PKG_RELEASE%}
}

attr ZSERVICE {
     AUTHOR         {%MSIPROP.RADIA_SVC_AUTHOR%}
     URL            {%MSIPROP.RADIA_SVC_URL%}
     OWNER          {%MSIPROP.RADIA_SVC_OWNER%}
     PRICE          {%MSIPROP.RADIA_SVC_PRICE%}
     ZSVCMO         {%MSIPROP.RADIA_SVC_ZSVCMO%}
     ZCREATE        {%MSIPROP.RADIA_SVC_ZCREATE%}
}
msi {
     aiplocation    {%MSIPROP.RADIA_AIPLOCATION%}
     publishmode    {%MSIPROP.RADIA_PUBLISHMODE%}
     execui         {%MSIPROP.RADIA_EXECUI%}
     deleteaip      {%MSIPROP.RADIA_DELETEAIP%}
     aiparguments   {%MSIPROP.RADIA_AIPARGS%}
     enableperuser  {%MSIPROP.RADIA_ENABLEPERUSER%}
     additionalfiles {%MSIPROP.RADIA_ADDITIONALFILES%}
}
```

Admin CSDB Editor

- State File generation is not supported as an option in Configuration Server DB Editor.

Application Management Profiles

- Restrictions on the use of AMPs have been removed. Previously, AMPs components were available for use only if you held a server management license. With the CM 5.10 release you can use AMPs to control complex application installations on managed clients *and* servers in your CM environment.

- Added Agent support for executing AMPs on these platforms:
  - AIX 5.1, 5.2, 5.3 (See AIX Agent Limitation below)
  - HPUX 11.31
  - Redhat 5
  - SuSE 10
  - Windows Vista

- AMP Editor
  - **CM 5.11**: Supports running the AMPs Editor and the AMPs agents on Vista Ultimate and Windows Server 2008 Standard and Enterprise. For platform support details, refer to Table 2 on page 7 for the AMPs Editor, and Table 3 on page 8 for the AMPs Agent.
  - Added support for Phase Pre-Conditions.
  - Provides enhanced handling of Encrypted Data Elements.
    A parameter stored as encrypted can be referenced as Base64, Encrypted, or Decrypted.
  - Supports configuring the decimal point character used with numeric entries to your locale.
  - Usability enhancements make it easier to find commands (type the first character), find previous profiles (up to 10 listed), and cycle through the tabs in your Profile (use shortcut keys **Ctrl+Tab** and **Ctrl+Shift+Tab**).

CM 5.11: A Windows 2008 Server APPMGMT_ZOS value is reported incorrectly as WINVISTA

PROBLEM:	The APPMGMT_ZOS value for a Windows 2008 Server is incorrectly reported as WINVISTA.
CAUSE:	OS value is being reported incorrectly in the code.
WORKAROUND:	Currently there is no workaround.

CM 5.11: Running an external command as a different user fails on Vista or Windows Server 2008

PROBLEM:	The external command "Run As" feature of Application Management Profiles (AMPs) does not function as documented on Windows Vista or Windows Server 2008.
CAUSE:	The extended security on Vista and Windows Server 2008 blocks the Run As feature from working
WORKAROUND:	Currently there is no workaround.

CM 5.11: AMP Editor: Console error while publishing xml file to a domain other than APPMGMT

PROBLEM:	The AMP Editor displays the following error when attempting to publish an XML file to a domain other than APPMGMT, such as the SOFTWARE Domain: `Error: main: Background Error: Promote Any instance update error.`
CAUSE:	The target CSDB domain is missing the required APPCNTRL Class.
WORKAROUND:	Add the APPCNTRL Class to any domains in your CSDB to which you want to publish XML files from the AMP Editor. By default, the APPCNTL Class is only provided in the PRIMARY.APPMGMT Domain of the CSDB. To add the APPCNTRL Class to other domains in your CSDB, use the ZEDMAMS utility to export the PRIMARY.APPMGMT.APPCNTL Class template and then import it into the target domain(s) to which you will be publishing AMPs xml files. For details on using ZEDMAMS, refer to the *EDM Access Method Services* chapter in the *HP CM Configuration Server User Guide* and the CLASS_EXPORT and CLASS_IMPORT commands.

AIX Agent Limitation: AMPs execution fails on AIX devices whose locale is set to a multi-byte language

PROBLEM:	AMP execution fails on AIX devices whose locale is set to a multi-byte language.
CAUSE:	The underlying NVDKIT engine on AIX devices is not handling multi-byte languages correctly.
WORKAROUND:	Set the AIX device locale to US English.

Running external commands as a different user is limited to Windows platforms

PROBLEM:	On UNIX platforms, there is a limitation with respect to switching between user credentials when executing multiple commands.
CAUSE:	The AMP Agent on UNIX platforms does not include a built-in ability to use privilege escalation.
WORKAROUND:	No workaround; be aware that AMPs on UNIX platforms require all commands to use a single set of user credentials.

Set Registry Permissions on Vista prevent update of some registry areas

PROBLEM:	On Vista machines, set registry commands in a profile are not able to update some registry areas.
CAUSE:	Registry permissions on Vista are preventing update of some areas of the registry.
WORKAROUND:	No workaround.

Application Manager

- **CM 5.11:** ZSTOP expressions used in the UNIX sample upgrade instances were changed to use ZMASTER.ZPKGRELI instead of IDENTITY.CLNTVER to verify the agent version during an upgrade.

- Added MAC OS X support.

- Alert Management (RADALERT) Class in the CLIENT Domain is reserved for future use.

- The modules EDMNTSRV and RADNTSRV are no longer supported.

- Concurrent CM agent connects from separate remote terminal sessions to the same machine are not supported. This support is available only when running under Windows Terminal Services and when using the CM Windows Terminal Server extensions.

- **Windows 2000, Service Pack 4**
  In order for the Local AIP driver to work, the Microsoft Windows 2000 Rollup 1 cumulative patch must be installed.

Version mismatch in a title of HP OpenView Configuration Manager Agent Install panel (on UNIX platforms)

PROBLEM:	A title of HP OpenView Configuration Manager Agent Install panel (on UNIX platforms) displays its version as 5.10.0000 instead of 5.11.0000. This is a cosmetic issue does not affect HP OpenView Configuration Manager Agent operations.
CAUSE:	An incorrect value is contained within `setup.cfg` configuration file located in a directory under the `Agents` folder of the installation media.
WORKAROUND:	Copy the `setup.cfg` file (from the directory described above) to a local directory and change the value of the `./install –cfg <local_directory>/setup.cfg`

Administrator or agent installations fail to start up when installed to Chinese directory on AIX

PROBLEM:	Installation of the agent or Administrator cannot be installed in a native Chinese directory.
CAUSE:	Installing into a Chinese directory.
WORKAROUND:	Agent and Administrator installations must be performed in ASCII only directories, such as `/opt/HP`.

"Next" button is grayed but still functional in remote installation setup on MAC

PROBLEM:	While preparing for a remote installation setup, the **Next** button is improperly grayed out.
CAUSE:	During selection of package location, the **Next** button is grayed out but is still functional.
WORKAROUND:	The **Next** button can still be successfully used even though it is grayed out.

Slow MSI installation over http

PROBLEM:	When using the Radia Redirector to install an MSI program that was published using Import Mode, there might be a three-second delay between the download of each file. This occurs only if LocalAIP option is blank or N.
CAUSE:	See `http://support.microsoft.com/default.aspx?scid=kb;en-us;883794`.

WORKAROUND:	You can use one of the following three solutions:
	
	1. Use the bitsadmin tool:
	
	`bitsadmin /util /setieproxy LOCALSYSTEM NO_PROXY`
	
	2. Add a WPAD host entry to the hosts file DNS server and point it to 127.0.0.1. Specific steps are detailed in the aforementioned Microsoft Knowledge Base Article.
	
	3. Set Auto Detect Proxy Settings Off in the registry for the System Account.
	
	CAUTION: This step requires making changes to the registry. Always back up the registry before making changes.
	
	    a. In the LAN Settings area of the Connections tab of Internet Explorer Internet Options, disable the Automatically detect settings option for the current user.
	
	    b. Export the key:
	
	`HKCU\Software\Microsoft\windows\CurrentVersion\Internet Settings\Connections\DefaultConnectionSettings`
	
	    c. Place this exported value into:
	
	`HKEY_USERS\.DEFAULT\Software\Microsoft\windows\CurrentVersion\Internet Settings\Connections\DefaultConnectionSettings.`

SSL version parity issue

PROBLEM:	SSL functionality on post-version 5.x CM products is not compatible with pre-version 5.x CM products.
CAUSE:	The SSL code on the post-version 5.x CM products supports versions 2.0 and 3.0 of the SSL protocol; pre-version 5.x CM product SSL code supports only pre-2.0 versions of the SSL protocol.
WORKAROUND:	Apply maintenance that will bring pre-version 5.x CM products up to the current level. This maintenance is: a) SP5, b) fix 6018, c) fix 6037, d) fix 6038, and e) fix 6040 (applied in this order).

Application Self-service Manager

- **CM 5.11:** ZSTOP expressions used in the UNIX sample upgrade instances were changed to use ZMASTER.ZPKGRELI instead of IDENTITY.CLNTVER to verify the agent version during an upgrade.

- The modules EDMNTSRV and RADNTSRV are no longer supported.

- CM Application Self-service Manager 5.10 does not support Macintosh.

- Concurrent CM agent connects from separate remote terminal sessions to the same machine are not supported. This support is available only when running under Windows Terminal Services and when using the CM Windows Terminal Server extensions.

- **Windows 2000, Service Pack 4**
  In order for the Local AIP driver to work, the Microsoft Windows 2000 Rollup 1 cumulative patch must be installed.

Version mismatch in a title of HP OpenView Configuration Manager Agent Install panel (on UNIX platforms)

PROBLEM:	A title of HP OpenView Configuration Manager Agent Install panel (on UNIX platforms) displays its version as 5.10.0000 instead of 5.11.0000. This is a cosmetic issue does not affect HP OpenView Configuration Manager Agent operations.
CAUSE:	An incorrect value is contained within `setup.cfg` configuration file located in a directory under the Agents folder of the installation media.
WORKAROUND:	Copy the `setup.cfg` file (from the directory described above) to a local directory and change the value of the `./install -cfg <local_directory>/setup.cfg`

While using Application Self-service Manager on HP-UX, cancelling login leaves window open

PROBLEM:	While using the Application Self-service Manager on HP-UX, if the user cancels the login box, the program window is not removed.
CAUSE:	The program window is not properly disposed.
WORKAROUND:	Manually shut down the window by pressing the "x" in the upper right corner.

Slow MSI installation over http

PROBLEM:	When using the Radia Redirector to install an MSI program that was published using Import Mode, there might be a three-second delay between the download of each file. This occurs only if LocalAIP option is blank or N.
CAUSE:	See `http://support.microsoft.com/default.aspx?scid=kb;en-us;883794`.

WORKAROUND:	You can use one of the following three solutions:
	
	1. Use the bitsadmin tool:
	
	    `bitsadmin /util /setieproxy LOCALSYSTEM NO_PROXY`
	
	2. Add a WPAD host entry to the hosts file DNS server and point it to 127.0.0.1. Specific steps are detailed in the aforementioned Microsoft Knowledge Base Article.
	
	3. Set Auto Detect Proxy Settings Off in the registry for the System Account.
	
	CAUTION: This step requires making changes to the registry. Always back up the registry before making changes.
	
	    a. In the LAN Settings area of the Connections tab of Internet Explorer Internet Options, disable the Automatically detect settings option for the current user.
	
	    b. Export the key:
	
	        `HKCU\Software\Microsoft\windows\CurrentVersion\Internet Settings\Connections\DefaultConnectionSettings`
	
	    c. Place this exported value into:
	
	        `HKEY_USERS\.DEFAULT\Software\Microsoft\windows\CurrentVersion\Internet Settings\Connections\DefaultConnectionSettings.`

PROBLEM:	SSL functionality on post-version 5.x CM products is not compatible with pre-version 5.x CM products.
CAUSE:	The SSL code on the post-version 5.x CM products supports versions 2.0 and 3.0 of the SSL protocol; pre-version 5.x CM product SSL code supports only pre-2.0 versions of the SSL protocol.
WORKAROUND:	Apply maintenance that will bring pre-version 5.x CM products up to the current level. This maintenance is: a) SP5, b) fix 6018, c) fix 6037, d) fix 6038, and e) fix 6040 (applied in this order).

Application Usage Manager

- New support for the aggregation of usage data provides scalability and productivity enhancements. Aggregation support is available through the use of tier-level store and forward CM Messaging Servers.

- Failover support: Added the CM Application Usage Manager Move Files task in CM KB Manager to allow for automatic re-import of usage files from the Archive and Error directories.

- **CM 5.11**: Supports running the Application Usage Manager Agents on Vista Ultimate and Windows Server 2008 Standard and Enterprise. For supported platform details, refer to Table 3 on page 8.

Usage information for Windows Vista x64 applications do not display

PROBLEM:	Reports for Application Usage Manager are missing usage information for Windows Vista x64 applications that were launched over a network share.
CAUSE:	Applications were launched from a network share location.
WORKAROUND:	No workaround.

Batch Publisher

- UNIX Native Packaging: Expanded distribution depot (-dist) support to include HP-UX SD packages and bundles.

- UNIX Native Packaging: Expanded dependency checking (-depth) support to include HP-UX SD packages.

Configuration Analyzer

- **CM 5.11:** Required SQL Server service pack scripts are included in the `\infrastructure\extended_infrastructure\configuration_analyzer\database\Maint\ SQLDatabaseMaintHistory\SQL Server` directory on the CM media.

- HP CM Configuration Analyzer provided with the 5.10 HP CM release is available with support for English-only, ASCII CM Configuration Server Databases. Environments consisting of multi-byte enabled CM CS Databases are not supported.

    In addition, HP has made the following decisions:

    — State File generation is not supported as an embedded function of other components of HP CM (HP CM CSDB Editor and Patch Manager).

— Stand-alone HP CM Configuration Analyzer is still supported for ASCII environments only. At this time, HP is evaluating the roadmap for this component.

- When configuring the SQL database, the following error may be encountered, and can be ignored:

  ```
  Cannot add rows to sysdepends for the current stored procedure because it
  depends on the missing object 'sp_expand_project'. The stored procedure will
  still be created.
  ```

Configuration Baseline Auditor

- CM Configuration Baseline Auditor is not included with the CM 5.10 media.

Configuration Server

SSL version parity issue

PROBLEM:	SSL functionality on post-version 5.x CM products is not compatible with pre-version 5.x CM products.
CAUSE:	The SSL code on the post-version 5.x CM products supports versions 2.0 and 3.0 of the SSL protocol; pre-version 5.x CM product SSL code supports only pre-2.0 versions of the SSL protocol.
WORKAROUND:	Apply maintenance that will bring pre-version 5.x CM products up to the current level. This maintenance is: a) SP5, b) fix 6018, c) fix 6037, d) fix 6038, and e) fix 6040 (applied in this order).

Distributed Configuration Server

- The CM-DCS installation includes a new window—following the Welcome window—that enables an administrator to install and configure a CM Integration Server as either "dedicated" or "shared." The dedicated CM Integration Server option spawns two additional port-related (TCP/IP and SSL) windows.

- If SSL functionality is used during a CM-DCS synchronization, files larger than 2 GB will fail.

Enterprise Manager

- **CM 5.11:** The following new locales have been added to Enterprise Manager: Japanese, Korean, and Simplified Chinese.

- **CM 5.11:** Added Japanese online help.

- **CM 5.11:** The default installation directory was changed to `C:\Program Files\HP\HP BTO Software`. The default data directory was changed to `C:\Documents and Settings\All Users\Application Data\HP\HP BTO Software`.

- **CM 5.11:** When upgrading from 5.10 to 5.11, the OPE data files are left in an inconsistent state, resulting in an empty Jobs History pane. The actual entries are still available, just not viewable. To view these data, rename the `.old` files in the `datafiles` directory to their original file names (remove the `.old` extension).

- **CM 5.11:** When upgrading from 5.00 or 5.10 to 5.11, be sure to first back up the `server.xml` file if it was modified (found in `../CM-EC/tomcat/conf`). The upgrade process overwrites this file and any changes will be lost.

- Added Notify support – Notify wizard added to console. Device notification by directory object.

- Added Jobs area to the console. Jobs area allows for viewing of current and past jobs including management of current jobs.

- Added support for VMWare ESX Server Management. New Virtual Machines tab added to directory objects pages allows management of virtual machines on virtual hosting servers (VMWare ESX).

- Added support for device import – Device Import wizard added to console. Devices can be imported to the CM Portal Zone, devices container.

- Added new UI setting for Directory Services: Leaf Node Filter: an LDAP-style filter value to filter nodes with large amounts of data types in the tree navigation view.

- The directory navigation tree is not intended to display a high number of nodes. The leaf node filters should be configured in the console properties file to limit the display of containers that contain a high number of nodes.

- The minimum color depth supported for CM Enterprise Manager is 16 bit. Viewing the console at a lower color depth setting may cause some embedded images to not appear. This limitation can occur when using Terminal Services to a Windows device.

Error occurs when running Enterprise Manager using Internet Explorer 6 with SSL

PROBLEM:	You cannot run Enterprise Manager using Internet Explorer 6 with SSL if HTTP1.1 is enabled.
CAUSE:	Limitation of Internet Explorer 6.
WORKAROUND:	In Internet Explorer 6, clear the **Use HTTP1.1** option in **Tools→Internet Options→Advanced→HTTP 1.1 Settings.** Then, close Internet Explorer, and open a new browser window. Simply refreshing the current Internet Explorer window will not fix the problem. Alternative Workaround: Upgrade to Internet Explorer 7.

Cannot start Virtual Machines

PROBLEM:	Virtual Machines will not power on.
CAUSE:	A licensing defect in ESX version 3.5 Update 2 (build number 103908), prevents Virtual Machines from being started after a certain date.
WORKAROUND:	Upgrade to ESX version 3.5 Update 2 build 110268 (or later).

After upgrade the tomcat installation of webapps/em or webapps/ope can be corrupted

PROBLEM:	When attempting to access enterprise Manager, a 404 error is returned. Directories and files may be missing in the `em` and `ope` directories.
CAUSE:	Tomcat does not always re-deploy the WAR files properly.

WORKAROUND:	There are two workarounds for this problem:
	
	1. Before upgrading, stop the HP CM Enterprise Manager service.
	
	2. If you've already upgraded, do the following:
	
	    a Stop the HP CM Enterprise Manager service.
	
	    b. Backup the console.properties file (located in `<installdir>/HP Openview/CM-EM/tomcat/webapps/em/WEB-INF`)
	
	    c. Delete the `/em` and `/ope` directories from `<installDir>/HP Openview/CM-`
	
	    d. Start the HP CM Enterprise Manager Service. Restarting the service will re-expand the application from the WAR file.
	
	    e. Restore the `Console.properties` file to the original directory
	
	    f. Restart the HP CM Enterprise Manger Service. This will cause the application re-read the properties file.

Migration from 5.00 to 5.11 does not set OPE URL correctly

PROBLEM:	The URL for OPE is not set correctly in the `console.properties` file when migrating from 5.00 to 5.11.
CAUSE:	The default setting for opeurl in `console.properties` is `http\://localhost\:8080/ope/resources`, which is an unencrypted channel.
WORKAROUND:	Modify the *INSTALL_DIR*`/CM-EC/tomcat/webapps/em/WEB-INF/Console.properties` and change opeurl property to: `https\://localhost\:8443/ope/resources`.

Launched browser window does not open EM console during installation or from installed shortcuts

PROBLEM:	The launched browser window directed to the Enterprise Manager console during installation, from the desktop shortcut, or from the program group icon will redirect to the local system IP address on port 80. If a web server is running on port 80 of the local system, the web server's default page is shown. Otherwise, the browser will display a 404 error.
CAUSE:	The browser on the Enterprise Manager server is not configured to bypass the proxy server for local addresses.
WORKAROUND:	The browser must be configured to bypass the proxy server for local addresses. For Internet Explorer, this setting is accessed in the **Tools → Internet Options → Connections Tab → LAN Settings** button. Select the check box item, Bypass proxy server for local addresses. For Firefox 2.x, this setting is accessed in the **Tools → Options → Advanced Settings → Network Tab → Settings** button. The No Proxy For box must contain: localhost, 127.0.01. For Firefox 1.x, this setting is accessed in the **Tools → General Section → Connection Settings** button. The **No Proxy For** box must contain: localhost, 127.0.01.

Concurrent Connections to Enterprise Manager Server

PROBLEM:	Requests are taking a long time to return while using a lot of navigation within the console, or no additional requests are accepted after two.
CAUSE:	The maximum number of concurrent connections allowed by Internet Explorer and Firefox is set to two, by default.
WORKAROUND:	For Internet Explorer: Edit the following registry key: `My Computer\HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion` Add the following DWORD Value: `MaxConnectionsPerServer` with a Value of **8**. For Firefox: Edit the Firefox configuration page (type about:config in the browser window). Change the value for `network.http.max-persistent-connections-per-server` from 2 (default) to 8 (recommended).

Invalid Context Menu

PROBLEM:	When using Flash player prior to Version 9.0.47, if you right-click an image, an incorrect menu is displayed (options include zoom in and play). These options are not valid and should not be used.
CAUSE:	A bug with previous versions of Flash player.
WORKAROUND:	Upgrade to Flash Player version 9.0.47 or later. This will only partially fix this issue. After upgrading, the invalid context menu still appears if you right-click while a busy (clock) cursor is displayed. This has been reported as a bug and should be fixed by Adobe in a future release.

Tree Literal Truncation

PROBLEM:	If you expand a tree control, such as the directory tree, the literal value for all of the expanded items that are not visible when expanded, and do not fit in the current control width, will be truncated to the current display width.
CAUSE:	A bug within the Flex code that is fixed with Flex 2 Hot Fix 2 or Flex 3.
WORKAROUND:	Truncation can be fixed by collapsing and expanding the node or by resizing the Tree control.

We can operate on disabled directory service

PROBLEM:	When a Directory Service Startup type is set to "Disabled" the service can still be started using the **Restart** button on the **HP Enterprise Manager Configuration → Directory Services** tab.
CAUSE:	CM Portal allows the Restart operation to be performed on a disabled directory service.
WORKAROUND:	Using Start / Stop operations on the directory services work as expected.

Current object substitution for attribute names

PROBLEM:	The Portal, Policy Manager, and Enterprise Manager do not support current object substitution for attribute names for extended attributes defined for policy entitlement. This syntax has never been supported. The following are examples of supported Policy Entitlement syntax.
	``` +SOFTWARE/ZSERVICE < version = 1> +SOFTWARE/ZSERVICE < version=<<in.version>> > +SOFTWARE/ZSERVICE < version = 1> ; <<in.os>> == "XP" ``` Not supported syntax: ``` +SOFTWARE/ZSERVICE < <<in.version>> = 123 > ```
CAUSE:	This syntax has never been supported.
WORKAROUND:	If this syntax is mistakenly applied to Policy Entitlement, the instance can be edited using the Portal graphical user interface.

RESOLVED Policy Management Wizard's Service Selection check boxes can be inconsistent

PROBLEM:	Depending on the order of checking and un-checking top level and leaf level entries in the Service Selection area, clicking **Remove** may not act on the expected set of services.
CAUSE:	Selections are not kept consistent.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Incorrect feedback after job deletion

PROBLEM:	When a job is deleted, a timeout error occurs, and is displayed to the user.
CAUSE:	Deletion of jobs is slow and is slower based upon the size of the job. The deletion can take many seconds up to minutes to complete.
WORKAROUND:	Deletion continues in the background after the timeout occurs. No action is required by the user.

RESOLVED Time format is not correct in Enterprise Manager

PROBLEM:	Unknown time format fields and non-supported time formats do not get localized.
CAUSE:	Enterprise Manager has a known set of time/date fields that are localized. Unsupported time/date formats are not localized.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Console Properties: We should use group.processing properties for UI defaults

PROBLEM:	The following settings in the *INSTALL_DIR*\CM-EC\webapps\em\WEB-INF\Console.properties file are only used as default.
	
	     `group.processing.threads`
	
	     `group.processing.target.delay.ms`
	
	Normally these values are set based on the Device Notification Type.

CAUSE:	Enterprise Manager chooses a default values based on the notify type.
WORKAROUND:	No workaround available.

RESOLVED Client Side I18N does NOT work on IE7 (ja_JP)

PROBLEM:	This has been fixed for most conditions. However if you define multiple country-specific locales for a language and no country neutral locales, the first country-specific locale will be used.
CAUSE:	Logic error related to loading and using the correct locales.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

JS Error with Reporting tab in Flex UI using Firefox

PROBLEM:	JS Global Variable needs catch statement for Firefox to not report JS error, error does not occur on IE.
CAUSE:	Firefox-specific JS coding required.
WORKAROUND:	No workaround available.

** RESOLVED ** Remove/Install fails if Windows Services open

PROBLEM:	After uninstalling Enterprise Manager using the provided installer, the server requires reboot before attempting a new installation.
CAUSE:	Some of the Enterprise Manager files may be busy during the Uninstall.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

** RESOLVED ** HP OpenView folder is also created when installing in Non-default folder

PROBLEM:	The default folder for Enterprise Manager is `C:\Program Files\HP OpenView`. This folder is created even if a different folder is specified during the installation.
CAUSE:	The installer used in Enterprise Manager still refers to the older foundation structure for HP OpenView.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

In Config→DS, DS restart reported as successful when it is not successful

PROBLEM:	DS restart reported as successful even when it is not successful.
CAUSE:	The Enterprise Manager is not returning the appropriate status code when a restart request fails.
WORKAROUND:	Check the refreshed status on the details page, or the DS list to see the actual status.

RESOLVED Disablement of non-SSL access to Enterprise Manager

PROBLEM:	Customer will not know how to disable non-SSL access to Enterprise Manager.
CAUSE:	Non-SSL disablement procedure is not documented for Enterprise Manager.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Session timeout sometimes puts Enterprise Manager into unusable state

PROBLEM:	This is an edge case where you perform an action around the same time your session is going to time out. Action must do a popup display.
CAUSE:	Timing issue with popup of action and popup of session expired.
WORKAROUND:	Refresh browser screen when session expires and you cannot click **OK**.

RESOLVED Console Properties: "session_validity_check_interval" deprecated

PROBLEM:	The `session_validity_check_interval` setting in the `INSTALL_DIR\CM-EC\webapps\em\WEB-INF\Console.properties` file is not being used.
CAUSE:	Enterprise Manager does not use the `session_validity_check_interval` setting anymore to control the Keep-Alive intervals for the client-server communication.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Import devices wizard does not refresh tables after it commits an import

PROBLEM:	Device Import Wizard does not automatically refresh the Members tab for the **Device Categories → VM Services → ESX Server** after the device is imported.
CAUSE:	The Children tab for the Devices container is the only area that gets automatically refreshed when the Device Import Wizard is completed.
WORKAROUND:	Click **Refresh** on the Data grid in the Members tab for **Device Categories → VM Services → ESX Server** to ensure the current list of members is up-to-date after the Device Import Wizard is used.

Unable to connect via SSL on Microsoft Windows 2003 server

PROBLEM:	Expired certificate in cert_mgr causes Win2003 server to fail when Enterprise Manager communicates with the Portal via HTTPS. A previous customer who used the 5.0 cert_mgr tool to generate a certificate will experience this problem when he or she tries to access the Portal. If the user removes the `console.properties` file and tries to configure occur while loading directories.
CAUSE:	An expired certificate authority used by cert_mgr to generate keys is no longer valid. Windows2003 rejects expired certificate chains while establishing https communication, whereas XP might not.
WORKAROUND:	Regenerate your certificates with the latest version of cert_mgr after migration.

RESOLVED Device import wizard does not strip leading spaces

PROBLEM:	User may import device names with an unintentional leading space.
CAUSE:	Device import wizard does not strip leading spaces.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Communication to job process engine not encrypted

PROBLEM:	Communication between the Enterprise Manager and the job process engine that executes the Notify commands is not encrypted.
CAUSE:	The default setting for opeurl in `console.properties` is `http\://localhost\:8080/ope/resources,` which is an unencrypted channel.
WORKAROUND:	Modify the `INSTALL_DIR/CM-EC/tomcat/webapps/em/WEB-INF/Console.properties` and change opeurl property to: `https\://localhost\:8443/ope/resources.`

Large notify jobs take a long time to process

PROBLEM:	The Job contains too many targets and can take a substantial amount of time to run to completion.
CAUSE:	Too many targets associated with a single job can have a negative performance impact.
WORKAROUND:	It is recommended that the number of targets associated with a job not be larger than 1000 targets. Increasing the number of targets above this guideline may result in undesirable performance issues and other negative side effects.

Lengthy delays when deleting notify jobs

PROBLEM:	It may take several minutes to delete a job or jobs from the Past Jobs page.
CAUSE:	The underlying job process engine is marking each target of the specified job for deletion. If the job has many targets this process may take additional time.
WORKAROUND:	It is recommended that the number of jobs retained in the Past Jobs page be less than 100. Jobs should be regularly deleted from the past jobs page in order to maintain this limit and not decrease performance.

Lengthy delays when pausing, resuming or canceling notify jobs

PROBLEM:	It may take several minutes for the status of the job to change when pausing, resuming, or canceling a job.
CAUSE:	The underlying job process engine is marking each target of the specified job. If the job has many targets this process may take additional time.
WORKAROUND:	No workaround.

Errors in the INSTALL_DIR/CM-EC/tomcat/logs/ope.log file

PROBLEM:	Many errors and stack traces are displayed in the `ope.log` file. ERROR SignalJob : Exception received when executing the SignalJob for tokenid: this token is locked by job[xxxx] ERROR GraphElement : action threw exception: can't signal token 'thread.1.17' (19): it is suspended org.jbpm.JbpmException: can't signal token 'thread.1.17' (19): it is suspended] ERROR GraphElement : action threw exception: Connection to host timed out: <hostname> ERROR GraphElement : action threw exception: Could not resolve host: <hostname> ERROR GraphElement : action threw exception: Connection reset ERROR JobInstancesResourceHelper : Bad mapping from jobId (xxxx) to process instance (19646). Error info: Process instance 'xxxx' not found ERROR JobInstancesResourceHelper : GatherJobInstancesForJob Exception : this token is locked by job[xxxxx] ERROR JobInstancesResourceHelper : GatherJobInstancesForJob Exception : couldn't deserialize object ERROR "cannot convert job name token_xxx_at xxx to integer" ERROR JobExecutorThread : exception in job executor thread. waiting 5000 milliseconds
CAUSE:	Various processes log errors to indicate a potential problem.
WORKAROUND:	No workaround. These errors can be safely ignored

Job process engine may become slow and unusable

PROBLEM:	When the job process engine data file gets too large the performance of the work flow engine will be negatively impacted.
CAUSE:	The `ope.data` file has grown too large or is at the allowed 2 GB size.
WORKAROUND:	The hsqldb size limit is set to 2 GB. If you require a larger database, this value is configurable. However, it is recommended that this value not be modified. Failure to delete completed jobs could result in your database reaching the maximum 2 GB size. This will result in a failure of the job process engine. Additional jobs can not be submitted until the problem is resolved.

RESOLVED Flash error when accessing DO w/ no permissions allowed

PROBLEM:	Accessing a directory object where you have "no access" permissions on may generate a flash error.
CAUSE:	Incorrect handling of no access check in some cases.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

RESOLVEDCreating Directory Service fails during login

PROBLEM:	Creating a Directory Service that will be used for authentication fails when user attempts to log in.
CAUSE:	The Directory Service DisplayName field contains a space.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Browser gets stuck at 80%

PROBLEM:	When upgrading a system running SSL communications to the Portal the browser gets stuck at 80%.
CAUSE:	The following files are reset during the installation *INSTALLDIR*/nonOV/jre/b/lib/security/cm-ec.keystore and *INSTALLDIR*/nonOV/jre/b/lib/cm-ec.truststore.
WORKAROUND:	Back up the files before installing the CM Enterprise Manager and re-install.

Completed jobs with no errors are occasionally shown as running

PROBLEM:	Occasionally, a job appears to be running in the Current Jobs page, even though its targets have been completed without errors.
CAUSE:	The job has been fully completed but the underlying job process engine failed to move the overall job state to Completed.
WORKAROUND:	There is no workaround. To clear the job from the Current Jobs page, please contact HP Support.

About Dialog keyboard navigation model is broken in places

PROBLEM:	About screen **Close** button is not the default button; no way to Tab Navigate to the button.
CAUSE:	Button not set to default.
WORKAROUND:	Click with mouse.

Cannot tab to X button on popup window

PROBLEM:	The **X** button to close a popup window cannot be accessed using the keyboard.
CAUSE:	Problem with Flex 2.01.
WORKAROUND:	Press **ESC** when window is active. To close it, click **X** with mouse.

Deleting a Vm device does not delete from the devices list

PROBLEM:	Delete operation fails with an error when a running Virtual Machine is attempted to be deleted.
CAUSE:	Delete Virtual Machine operation does not delete the device from the All Devices container in Management Portal.
WORKAROUND:	Manually delete the device from the CM-CS Devices category.

PROBLEM:	Delete operation fails with an error when a running Virtual Machine is attempted to be deleted.
CAUSE:	VMware ESX Server requires virtual machines to be powered off before delete operation.
WORKAROUND:	Power Off the Virtual Machine using the Power off action. Then delete the virtual machine once it is successfully turned off.

Extensions for Windows Installer

• Added support for Vista operating systems.

• Added support for Windows 64-bit operating systems. For details, see Table 2 on page 7 and Table 3 on page 8.

• Updated install to no longer require a serial number.

• Removed support for platforms no longer supported by Microsoft: Windows 95, 98, and NT.

• Removed Application Insight and Application Insulation features.

• This product has *not* been rebranded from Radia to Configuration Management. To install it into the new default path for CM products, change the installation directory path as: `C:\Program Files\Hewlett-Packard\CM`.

Inventory Manager

• To support the new Agent Version report and filter in the CM Reporting Server, the Inventory Manager Database tables for Device and Hdevice include a new clientrel column.

Knowledge Base Server

• Updated for database import performance improvements. Database import logic is now handled by stored procedures at the database level, and results in dramatic database import performance improvements over previous KB Server releases.

• Supports new task: CM Application Usage Manager Move Files. Use this task to move usage files from the Archive directory, the Error directory, or both, to a location for re-import.

PROBLEM:	You are attempting to connect to the Oracle 10g database from a Windows platform using ODBC programmatic interfaces. After installing 32-bit Oracle Client Software on a 64-bit Windows operating system you receive the following error: "ORA-12154: TNS:could not resolve the connect identifier specified"
CAUSE:	Known Oracle issue when running Oracle version 10.2.0.1 on x64 Windows platforms.
WORKAROUND:	Oracle has released a patch to resolve the issue. Obtain and apply the Oracle patch set 10.2.0.3.

Messaging Server

- Added CM Patch Manager Store and Forward examples to the *HP CM Messaging Server Installation and Configuration Guide*.

- Added Data Delivery Agent for CM Application Usage Manager (`usage.dda`). The `usage.dda` supports the aggregation and forwarding of CM Application Usage Manager files, which offers both scalability and productivity improvements. Requires a post-install configuration of the `usage.dda.cfg`.

- Added PASTATUS to the list of objects reporting by CM Patch Manager.

- **CM 5.11**: Added AIX support (see AIX platforms listed in Table 1 on page 6). However, Messaging Servers installed on AIX do not have the functionality to post data directly to an ODBC databases; following installation, they need to be configured to forward data to another Messaging Server installed on a platform that does support direct posting to an ODBC databases. All other configuration options remain the same as for other supported platforms.

- **CM 5.11**: A Messaging Server on a Windows 2003 64-bit platform posting to an Oracle 9i or 10g database on a 32-bit platform have specific installation and setup requirements due to a known Oracle client limitation. See the Known Limitation below.

Messaging Server on W2K3 Server 64-bit machine fails to connect to Oracle 9i/10g database on 32-bit machine

PROBLEM:	A Messaging Server installed into the default path of a Windows 64-bit machine fails to connect to an Oracle 9i or 10g database on a 32-bit machine. You receive the following error: "ORA-12154: TNS:could not resolve service name"
CAUSE:	Known Oracle issue when running various Oracle client versions on x64 Windows platforms; the Oracle client does not support parentheses in paths, as in `ProgramFiles(x86)`.

WORKAROUND:	Check if Oracle has released a patch for your Oracle version to resolve this issue. For example, Oracle patch set 10.2.0.3 will resolve this issue.
	
	If Oracle has not released a patch for your Oracle version, here are alternative steps:
	
	1. Create the DSN for the ODBC database using `Odbcad32.exe`. On Windows 64-bit machines, this is located at: `C:\WINDOWS\SysWOW64\odbcad32.exe`. This will bring up the ODBC Data Source Administrator with the 32-bit drivers.
	
	2. Install the Messaging Server on a 64-bit Windows platform into a path that does not include parentheses.
	
	    a. When prompted for the folder to install the CM Messaging Server, choose `C:\Program Files\Hewlett-Packard\CM\MessagingServer` instead of the default
	
	    b. When prompted for the Default Message Directory to Scan, point to the `\data\default` folder where the CM Configuration Server is installed. For example, the Configuration Server may be installed under `C:\ProgramFiles(x86)\CM\ConfigurationServer\`.
	
	Note: These same installation and DSN setup requirements apply to the CM Reporting Server as well.

CM 5.11: Failure to post data from ODBC drivers on non-Windows devices to databases on non-English locale devices

PROBLEM:	When the Messaging Server is installed on a non-Windows operating system, the supplied ODBC drivers fail to deliver data to a database installed on a device running a non-English locale.
CAUSE:	The ODBC drivers need to be rebuilt to support databases installed on devices running non-English locales.
WORKAROUND:	The Messaging Server installed on the non-Windows operating system can forward data to a Messaging Server installed on a Windows operating system. The Messaging Server installed on Windows can post data to a database installed in a non-English locale using the native Windows ODBC drivers.

PROBLEM:	For agents originating from one of the time zones that are not a full hour offset from GMT, the agent connect time displayed in the Reporting Server will be incorrect. The time zone offsets that are problematic are: UTC-9:30, UTC-4:30, UTC-3:30, UTC+3:30, UTC+4:30, UTC+5:30, UTC+5:45, UTC+6:30, UTC+8:45, UTC+9:30, UTC+10:30, UTC+11:30, UTC+12:45.
CAUSE:	The Messaging Server code is unable to handle partial hour offsets.
WORKAROUND:	Ignore the agent connect times being displayed in the Reporting Server. There is no workaround at this time.

Multicast Server

- No changes for this release.

OS Manager for UNIX

- Linux image preparation and capture is not supported in version 5.10.

- HP-UX reinstalls support only using full version 5.10 infrastructure and agent.

- In order to reach DESIRED state, deployed UNIX systems require `libX11.so.6`. Refer to your distribution's log file containing the output from init(1) scripts for specific names and information.

- New file-based (compared to instance based) configuration file model.

- Updated text mode UNIX Configuration File Publisher.

- New graphical UNIX Configuration File Publisher.

- Legacy UNIX Configuration File Migration Assistant.

- Re-installation is now based on device state and CM-CS service instance name, use of MD5 check sums on the configuration file has been discontinued for this purpose.

- Added use of SSH & bootsys for HP-UX deployment.

- Added support for running on user selectable port.

PROBLEM:	When starting the UNIX Configuration File Publisher on a new, non-patched installation of HP-UX 11.31 on Itanium, the following error may be encountered: Aries ERROR:[pid=XXXX] Failed to get absolute path to executable. Aborting...
CAUSE:	HP-UX 11.3x requires patch PHSS_36311 (or later).
WORKAROUND:	Apply patch PHSS_36311 (or later).

Multiple OS service assignments for a single target results in failed installation

PROBLEM:	If more than one OS service is assigned to a single target device, the installation will fail with unpredictable results.
CAUSE:	The CM OS Manager server does not correctly distinguish between the different sets of OS service information resulting from the Configuration Server resolution.
WORKAROUND:	You can only assign a single service to a given target device. This does not mean one cannot assign/use multiple OS services in the policy model, it just means that at the end of the Configuration Server policy resolution only a single OS service may apply to any given target device.

Publishing migration utility does not detect legacy HP-UX OS services

PROBLEM:	The report generated by the publishing migration utility may not include pre-5.10 services still in use through Configuration Server policy classes.
CAUSE:	The publishing migration uses an incorrect class definition that may cause it to not detect pre-5.1 OS services with connections to the legacy OSIGNITE Domain and its classes.
WORKAROUND:	Manually check the OS-specific policy classes in the POLICY Domain for legacy HP-UX OS services. These services will also have to be republished. The policy classes checked by the publishing migration utility are MANUFACT, MODEL, ROLE, and SUBNET. A legacy HP-UX OS service will have a connection to an instance of the IGNTECFG Class in the OSIGNITE Domain.

Installation of CM OS Manager and UNIX Native Publisher may hang when performed over a slow network connection

PROBLEM:	The installation of CM OS Manager and UNIX native publisher can be problematic when using a slow network connection, such as a VPN.
CAUSE:	If the network speed is too slow, some of the asynchronous processes timeout and the installation hangs.
WORKAROUND:	Make sure that the network being used to install CM OS Manager and the UNIX native publisher has adequate speed to support the install.

adminpwd setting in roms.cfg supports DES-encrypted or clear-text passwords only

PROBLEM:	The `adminpwd` setting in `roms.cfg` only supports DES-encrypted or clear-text passwords.
CAUSE:	The OSM Server incorrectly handles AES-encrypted passwords.
WORKAROUND:	Enter a DES-encrypted password for the `adminpwd` setting. When defining an encrypted password in the `adminpwd` setting in `roms.cfg`, use the password encrypt "yourpassword" command to generate a compatible password. You can also enter a clear text password for the `adminpwd` setting.

PROBLEM:	Attempting to re-publish updated or migrated services with the same service instance name as existing one fails.
CAUSE:	Publishing process will not overwrite an existing published file with a new file that has the same service name.
WORKAROUND:	Before re-publishing an updated OS service to the CM-CSDB, you must first remove the previous instance(s) from the CM-CSDB. Use the CM CS Database Administrator for this task.
	In case of migration from pre-5.10 versions, you should as a minimum delete the OS service instance located in the ZSERVICE class in the OS Domain.
	Example: if you want to migrate a service called RHEL50_32BIT then before publishing you must delete this instance: PRIMARY.OS.ZSERVICE.RHEL50_32BIT.
	In case of re-publishing a version 5.10 OS service, you must delete instances from the following classes: ZSERVICE, PACKAGE and UNIXCFG.
	Example: if you want to re-publish a service called RHEL50_32BIT then before publishing you must delete the following instances:
	PRIMARY.OS.ZSERVICE.RHEL50_32BIT
	PRIMARY.OS.PACKAGE.RHEL50_32BIT
	PRIMARY.OS.UNIXCFG.RHEL50_32BIT.

OS Manager for Windows

- Multicast is not supported for deployments of WIM images.

- **CM 5.11**: Added support for the deployment of Windows Server 2008 operating system. The deployment utilizes WinPE 2.0 and requires hardware drivers compatible with WinPE 2.0. To prepare, capture and publish images, follow the instructions in the documentation related to Vista. When publishing, if you are deploying using Windows Setup, the /sources folder that you must be able to access must be from the Windows 2008 Server media (used to obtain or create the .WIM file).

- **CM 5.11**: Added support for Windows Server 2003 SP1 ImageX deployment.

- **CM 5.11**: Added support for Vista Ultimate operating system.

- **CM 5.11**: If you are using the ImageDeploy CD to install from CD or are installing from a cache and want messages to appear in your local language, copy the \custom_build\lang_support\i18n directory from the product CD ROM to the build_items directory. You may remove the .msg files that are not needed for your local language.

- ** RESOLVED in 5.11** CM Enterprise Proxy Server (using Apache) was not supported for 5.10 but is supported for 5.11

- ** RESOLVED in 5.11** If you have previously run the build scripts to build an ImageCapture.iso or ImageDeploy.iso and have since modified the contents of the build items directory, you must remove any build.config that you have been using from the c:\build_scripts directory to ensure that you are starting with a new configuration.

- ** RESOLVED in 5.11** If you are building a DeployImage.iso only and want to use rombl_deploy.cfg you must put this in the build items directory before running the scripts. If you do not put rombl_deploy.cfg in the build items directory and run the scripts, you will be prompted for the capture CD and the rombl.cfg from the ImageCapture CD will be used.

- Added support for Vista operating systems.

- Added support for WinXP SP2 ImageX deployment.

- Added Image Capture ISO to replace bootable distribution media.

- Added maintenance for Image Capture/Image Deploy ISOs and WinPE Service OS.

- **Notes**
    — If you created a `.WIM` file using the CM Image Preparation Wizard, you must be sure to select the same deployment method when you use the CM Admin Publisher.

    — When using `ImageDeploy.iso`, use of `netif` setting in `romsinfo.ini` is not supported under WinPE SOS.

    — OS Manager Server failover for Local Service Boot is not supported under WinPE SOS.

    — Deploying an OS using resources on CD/DVD is supported only when `ImageDeploy.iso` is used, under WinPE SOS.

Spanned images are not currently supported for captured .WIM images.

PROBLEM:	Spanned images are not currently supported for captured .WIM images.
WORKAROUND:	Captured `.WIM` images are restricted to 4 GB or less because spanned images are not currently supported for this image type. Whenever you capture a `.WIM` image, the device must have free space on the same volume as the file system. To work within the 4 GB restriction, it is recommended that the utilized space is less than or equal to 4 GB; free space must be greater than 4 GB. If the utilized space is greater than 4 GB, remove all unnecessary data (such as temporary files and log files) from the drive to minimize the utilized space that will be included in your `.WIM` file. For example, a `.WIM` file with x86 Vista Enterprise and Office 2007 Enterprise installed is approximately 3 GB.

Window requesting networking option to be used opens.

PROBLEM:	When a target device boots into Vista following a deployment of the `install.WIM` file from the Vista media, a window appears requesting the networking option to be used.
WORKAROUND:	This is due to a known Microsoft bug and the user will have to make the appropriate selections based on the enterprise's environment.

Task missing in *HP Configuration Management OS Manager Migration Guide* for version 5.10

PROBLEM:	Task missing in *HP Configuration Management OS Manager Migration Guide* for version 5.10
WORKAROUND:	The following should be listed after Task 3 (before Task 4): 1. Open `edmprof.dat` in the CM Configuration Server `bin` directory. 2. In the [MGR ROM] section Set `PORTAL_HOST` to the IP address for the CM Portal. Set `DISPLAYNAME` to the same value as the DISPLAYNAME attribute in `SystemDrive:\Program Files\Hewlett-Packard\CM\IntegrationServer\etc\roms.cfg`. This ensures that the display default during the installation, set this to compname. 3. Save and close `edmprof.dat`.

Error in Task 2 in the topic Capturing Windows Vista Operating Systems for Windows Setup Deployment

PROBLEM:	In the *HP CM OS Manager System Administrator Guide*, Task 2 in the topic Capturing Windows Vista Operating Systems for Windows Setup Deployment refers to Using Microsoft Sysprep.
WORKAROUND:	Refer to Using the CM Image Preparation Wizard, not Using Microsoft Sysprep.

Prerequisites in HP CM OS Manager System Administrator Guide for publishing .WIM images are incorrect

PROBLEM:	In the *HP CM OS Manager System Administrator Guide* topic, Prerequisites for publishing `.WIM` images of a Windows Vista OS, it indicates that you must copy the `/sources` directory.
WORKAROUND:	You do not have to copy the directory, but must ensure you have access to it if you are deploying using Windows Setup.

CM 5.11: Directory \winpe_build on the product CD-ROM has changed

PROBLEM:	The name of the directory `\winpe_build` has changed, as well as its contents.
WORKAROUND:	The directory on the product CD-ROM previously called `\winpe build` is now called `\custom build`. This `winpe_cjk.wim` and `\i18n`.

CM 5.11: Filename in instructions for WinPE Service OS documentation has changed

PROBLEM:	When building a custom WinPE Service OS, the documentation states that for version 5.11 you must copy `winpe_i18n.wim` from the `\winpe_build` directory on the product CD ROM.
WORKAROUND:	The filename `winpe_i18n.wim` has been changed to `winpe_cjk.wim`.

Prerequisites in *HP CM OS Manager System Administrator Guide* are incorrect

PROBLEM:	In the *HP CM OS Manager System Administrator Guide*, Chapter 3, Installing and Configuring the Server Architecture, the prerequisites currently indicate that you should use versions 5.00 and higher.
WORKAROUND:	Use version 5.10 or higher for the items in this section of the documentation.

OS connect fails if the 4.2 HP OpenView Application Manager is used with the 5.11 infrastructure

PROBLEM:	When OS connect is run with the HP OpenView Application Manager version 4.2, the connect fails and the machine will not reboot to perform the OS deployment.
WORKAROUND:	Update HP OpenView Application Manager version 4.2 to the CM Agent 5.11

RCS for ROM service created in 4.2 does not work in 5.11

PROBLEM:	When the CM Portal is migrated from version 4.2 to version 5.11, the RCS for ROM service no longer works.
WORKAROUND:	Log in to the CM Portal as the romadmin. Delete the RCS for ROM service from the desktop. Go to Zone, Configuration, Configuration Servers, RCS Database (also referred to as the CM Database or CM-CS Database) and click the Add Desktop Shortcut icon.

Winpe.wim does not include VMware NIC driver

PROBLEM:	`Winpe.WIM` does not include VMware drivers.
CAUSE:	`Winpe.WIM` provided in the CM OS Manager does not include network drivers used in VMware.
WORKAROUND:	Add `ethernet0.virtualDev = "e1000"` to the `.vmx` file and restart the VMware Workstation.

ImageDeploy CD fails to locate .ini files on floppy under WinPE

PROBLEM:	ImageDeploy CD fails to locate `.ini` files on floppy under WinPE.
CAUSE:	When booting with the ImageDeploy CD, the WinPE SOS looks in the wrong location and fails to find `romsinfo.ini/netinfo.ini` on floppy.
WORKAROUND:	Enter the appropriate information when prompted.

Publisher might show wrong file size in summary panel

PROBLEM:	When publishing a `.wim` file, the size might display as "0" in the summary panel.
CAUSE:	Publisher fails to calculate total file size correctly in some cases.
WORKAROUND:	This is a problem with the display and does not affect publishing.

Creating or deploying an image will fail on HP XW9300

PROBLEM:	Creating or deploying an image will fail on HP XW9300.
CAUSE:	Linux SOS fails to detect a hard drive on an HP XW9300 machine which means that you cannot create or deploy images.

WORKAROUND:	There are 2 ways to workaround this issue:
	
	1. Pass `acpi=off` parameter to kernel.
	
	To create an image: during CD boot following Image Preparation Wizard or Windows Native Installer, at the SOS boot menu prompt, type:
	
	`sos acpi=off`
	
	To deploy an image using BootServer: add `acpi=off` to BootServer configuration file. (`SystemDrive`:\Hewlett-Packard\CM\BootServer\X86PC\UNDI\linux-
	
	The file should look like:
	
	`DEFAULT bzImage`
	
	`APPEND initrd=rootfs.gz root=/dev/ram0 rw quiet pci=nommconf acpi=off ISVR=<yourOSMServerIP> ISVRPORT=<yourOSMServerPort>`
	
	Note: if adding `acpi=off` parameter causes problems on other machines (it is known to cause problems on the HP DC5150) , you must set your environment to have one configuration file for XW9300 and another configuration file for all other machines. To do this, it's recommended you use Local Service Boot. Copy "Local Service Boot" Service/Package and add `acpi=off` to `rombl.cfg`. Create a MODEL instance for
	
	modified Local Service Boot service to the MODEL instance.
	
	2. Disable ACPI Bus Segmentation in BIOS
	
	In BIOS setting, go to "Advanced" → "Chipset/Memory" and set "ACPI Bus Segmentation" to DISABLED.

** RESOLVED** Target will not go to desired state when the CM agent is installed to a non-default location

PROBLEM:	The target device will not go to DESIRED state when the CM agent is installed to a non-default location.
WORKAROUND:	The CM 5.11 release resolves this issue.

File copying from WNI image may fail on deployment

PROBLEM:	Deploying a pre-Vista Windows operating system from a WNI image may fail during the step that copies Windows system files from the image to the system drive during setup.
CAUSE:	The allocated system drive is too small to fit all files that are copied from the WNI deployment image to that drive. The size of the system drive should be at least 3 GB or 2 times the size of the WNI image itself. If the WNI image size is too small, a system drive is created with insufficient space to copy the install files from the WNI image to the system drive.
WORKAROUND:	Create a system drive with a WNI deployment image on it that is at least 3 GB or 2 times the size of the WNI deployment image.

Image upload completion message might now show up on the screen when image was uploaded

PROBLEM:	When image was uploaded, the message about upload being completed might not show up on the screen
CAUSE:	The prompt messages are hidden behind the splash screen.
WORKAROUND:	Press **Alt+Tab** to see the command window. If the processes have stopped running and you see a prompt, this confirms that the files were uploaded.

Localized messages do not show up when working in localized environment

PROBLEM:	When working in a Simplified Chinese, Japanese, or Korean environment, messages appearing in the SOS will remain in English.
CAUSE:	Message catalogs are copied to a wrong location
WORKAROUND:	Move the appropriate message catalogs (`zh cn.msg`, `ja.msg` or `ko.msg`) from `IntegrationServer\sos-` Move the appropriate message catalogs (`zh_cn.msg`, `ja.msg` or `ko.msg`) from `Integration Server sos-i18n\mc\roma\` to `IntegrationServer\sos-i18n\roma.`

Prompt messages might now show up on the screen, when deploying an OS using ImageDeploy.iso

PROBLEM:	When `ImageDeploy.iso` is used to deploy an OS from CD/DVD or cache, prompt messages might not show up on the screen and the process will keep waiting for the prompt answer.
CAUSE:	The prompt messages are hidden behind the splash screen.
WORKAROUND:	Press **Alt+Tab** to bring the console in front, to see the prompt messages.

Publisher might show "xml was not found" error message in Select OS Image panel

PROBLEM:	When publishing Windows Server 2003 SP1 or XP SP2 ImageX image, "XML was not found" error message will appear in the "Description" text box in the Select OS Image panel.
WORKAROUND:	This is a problem with the display and does not affect publishing. Continue to the next step.

The first connect after OS deployment will fail if Agent was installed in non-ASCII path

PROBLEM:	When an image was captured with Agent installed in a directory with non-ASCII characters, the first connect after OS deployment will fail and the device will not go to DESIRED state.
WORKAROUND:	Install Agent into a directory with ASCII characters only.

Some machines might loop rebooting to the same SOS

PROBLEM:	On some machines (currently known for HP Proliant BL30 and DL360), machines might keep rebooting to the same SOS when trying to deploy an OS.
WORKAROUND:	If deploying ImageX or WinSetup images: PXE: change `DFLTSVOS` to `_SVC_PEX86_` in BootServer "default" file (default location is `c:\Hewlett-Packard\CM\BootServer\X86PC\UNDI\boot\linux.cfg\`) LSB: change `ELGBLSOS` to `_SVC_PEX86_` for "Local Service Boot" service in Configuration Server Database.

LSB installation fails on Vista if the 5.10 CM Agent is used with the 5.11 infrastructure

PROBLEM:	When LSB is used to deploy an operating system on Vista with the CM agent version 5.10, the LSB installation fails and the machine will not be rebooted to perform the OS deployment.
WORKAROUND:	Update the agent to 5.11.

Hardware Configuration Management

- Hardware Configuration Elements (HWCEs) from version 2.1 are not supported.
- The Hardware Configuration Elements (HWCEs) in this version are compatible with version 5.00.

Patch Manager

- **CM 5.11:** Extends patch acquisition and management support to the following new platform and architectures:

  — Windows Vista Ultimate on x86 and AMD64/Intel EM64T (x86-64) architectures. Additional requirements for this support include the use of "Microsoft Update Catalog Only" or "Microsoft Update Catalog, OpenView Legacy Catalog" as the preferred Microsoft data feed, and the managed-devices require Version 5.x of the Application Manager Agent and Patch Manager Agent.

  — Windows Server 2008 on x86 and AMD64/Intel EM64T (x86-64) architectures. Additional requirements for this support include the use of "Microsoft Update Catalog Only" or "Microsoft Update Catalog, OpenView Legacy Catalog" as the preferred Microsoft data feed, and the managed-devices require Version 5.11 of both the Application Manager Agent and Patch Manager Agent.

- **CM 5.1x:** If using Oracle, the supported Oracle database and driver versions are listed below. HP recommends using the latest available patchset; the patchsets listed below are the latest as of this writing:

  — - Oracle 10g Release 2, patchset 10.2.0.3 or later (recommended)

  — - Oracle 10g Release 1, patchset 10.1.0.5 or later

  — - Oracle 9i Release 2, patchset 9.2.0.8 (minimum version supported)

  HP also recommends that the Database Server, the Oracle Client, and the Oracle ODBC driver are all at the latest patchset. Use the procedures below to find and verify the versions in your Oracle environment.

  To find the version of the Oracle Database:

  — From the Web-Based Enterprise Manager: Access the **Home** tab, look in the **General** section next to **Version**.

  — From Oracle Enterprise Manager Console: Select the database server in the tree, then **Instance →Configuration → General** tab. The Version is next to **DB Version**.

  — From SQL*Plus: Login to the database server; if the version is not stated in the banner as you log in, then issue this command: SELECT * FROM V$VERSION

  To find the version of the Oracle Client:

  — From SQL*Plus: Log in to the database server, the version should be at top of window. For example:

    `SQL*Plus: Release 9.2.0.8.0 - Production on Tue Jan 8 12:10:23 2008`

  — From Windows Explorer: Navigate to `ORACLE_HOME\bin` (for example: `C:\Oracle\Ora92\bin`), right-click on `oci.dll`, click **Properties → Version** tab, then use the **Item Name** list box to select **File Version**.

  To find the version of the Oracle ODBC Driver:

  — From ODBC Data Source Administrator: Open the ODBC Data Source Administrator (`odbcad32.exe`), select the **Drivers** tab, scroll to, for example: "Oracle in OraHome92", the version is in the Version column.

  — From Windows Explorer: Navigate to `ORACLE_HOME\bin` (for example: `C:\Oracle\Ora92\bin`), right-click on `SQORA32.DLL`, click **Properties → Version** tab, then use the **Item Name** list box to select **File Version**.

- **CM 5.11:** The Windows Patch Agent uses Windows Update Agent (WUA) to run scans on target systems. WUA requires MSI 3.1 to be installed on the target systems. To meet this MSI 3.1 requirement, HP recommends that customers either:

  — Deploy the latest MSI 3.1 package manually by downloading it from the Microsoft website. This bulletin is defined for multiple languages. The US-English version is at: **http://support.microsoft.com/kb/893803/en-us**,

    or

  — Use Patch Manager to acquire, distribute and manage the bulletin MS-KB893803. Specify this bulletin as part of your acquisition list and entitle it to your Windows agent machines.

- New installation service name (httpd-patchmanager), port (default is 3467) and location (default is `C:\Program Files\Hewlett-Packard\CM\PatchManager`).

- Extends patch acquisition and management support to the following new platform and architectures:

  — Red Hat v 5 OS Security Advisories for x86 and AMD64/Intel EM64T (x86-64) architectures.

  — Windows Vista AMD64/Intel EM64T (x86-64) architectures. Additional requirements for this support are given below.

Patch Management of devices running Windows Vista (on either x86 or x86-64 architectures) must meet the following requirements:

1. Use of "Microsoft Update Catalog Only" or "Microsoft Update Catalog, OpenView Legacy Catalog" as the preferred Microsoft data feed.

2. The devices are running the minimum CM version 5.X pre-requisite agent version for both Application Manager and Patch Manager.

- Patch Reporting changes:

— Added Compliance Device Errors report for errors encountered on agent devices.

- New Sun Solaris 10 agent requirements

— All Solaris 10 agent devices must be registered with Sun Microsystems. Solaris 10 agents that are not registered with Sun Microsystems will be displayed in the Patch Management Compliance Device Errors report.

— Added support for patching Microsoft Office 2007 and its stand-alone applications when using "Microsoft Update Catalog Only" or "Microsoft Update Catalog, OpenView Legacy Catalog" as the preferred Microsoft data feed.

- Removed support for the automatic generation of state files for security patches. Many patch files contain built-in logic. This prevents accurate interrogation of the executables and, as a result, HP cannot guarantee the accuracy of automatically-generated patch files.

RESOLVED Red Hat Security Advisories: Prerequisite patches for several Red Hat Security Advisories cannot be met

PROBLEM:	Patch Manager agents may fail to install some Red Hat Security Advisories.
CAUSE:	During Security Advisory acquisition, the prerequisite patches required to successfully install a Red Hat Security Advisory cannot be acquired from the Red Hat Network or a local disk data cache.
WORKAROUND:	The CM 5.11 release resolves this issue.

CM 5.11: Patches for some entitled bulletins on Red Hat Enterprise Linux 5 x86-64 systems fail to install

PROBLEM:	On Red Hat Enterprise Linux 5 x86-64 systems, patches for some entitled bulletins fail to install.
CAUSE:	Some bulletins for Red Hat Enterprise Linux 5 x86-64 operating systems include Red Hat Package Manager (RPM) packages in both x86 and x86-64 architecture variants. For these bulletins, Patch Manager is installing only one of the architecture variants, which causes the verification to fail.
WORKAROUND:	None.

Policy Server

- Several policy administration tasks have been moved to the Enterprise Manager.

PROBLEM:	The Policy Server User Interface for CM 5.11 is not completely localized.
CAUSE:	The Policy Server is no longer the primary tool for Policy assignment. The tool for administering Policy assignment is the Enterprise Manager.
WORKAROUND:	Use the fully-localized Enterprise Manager as your primary tool for Policy assignment and management. Alternatively, the configuration of the Policy Server can be performed with a text editor by editing the `pm.cfg` file and then restarting the service.

Using the Server Admin tab when configuring the Policy Server to use https displays an error page

PROBLEM:	Editing the configuration of the Policy Server for secure communication cannot be completed using the Server Admin tab of the CM Integration Server.
CAUSE:	The Policy Server UI is not enabled to perform the configuration for secure communications.
WORKAROUND:	Instead of using the Server Admin tab to configure the necessary secure communications, use a text editor to edit the Policy Server configuration file, `pm.cfg`, and the `httpd.rc` file. Refer to the *HP CM SSL Implementation Guide*.

Portal

- **CM 5.11**: Added CM Portal Agent support for devices running Windows Vista Ultimate and Windows Server 2008. Refer to Table 3 on page 8 for platform support details.

  — To Notify devices running Windows Server 2008, make sure the relevant PACKAGE and SERVICE instances include a ZSTOP (Expression Resolution Method) value of WIN2K8, as shown at the end of the sample expression below:

  ```
  WORDPOS(EDMGETV(ZMASTER,ZOS),'WIN2K WINXP WINVISTA WIN2K3 WIN2K8')=0
  ```

- **CM 5.11**: Migration and Portal Agent Self-maintenance enhancements.

  — A new migration script, `rmp-migrate.tcl`, supports a simplified migration from a Management Portal 2.x (Radia 4.2) or CM Portal 5.00 environment to a CM Portal 5.1x environment. The migration script is not used to upgrade from CM 5.10 to CM 5.11.

  — *Important:* If migrating from Radia 4.2i with RMP v 2.2, read the Known Limitations.

  — An updated CM Portal 5.1x migration guide is located in the `\migrate` folder of the CM 5.11 Portal media. Refer to it for the latest migration and upgrade information.

  — *Agent Self-maintenance Implementation Note:* Do not include any tab characters in the `selfmaintenance` file; use only spaces between a parameter and its value.

  — Added support for Agent Self-maintenance on UNIX and LINUX platforms.

- **CM 5.11:** Portal Migration Guide 5.1x Correction

  — Page 10, "Task 6 - Run the directory object migration script: rmp-migrate.tcl." Replace the 2nd paragraph after the Note with the following content in quotes. (You need to copy all files from the media's `\migrate` folder, not just the `rmp-migrate.tcl` file. You also need to copy `nvdkit.exe`.)

  "Following a successful install of the CM Portal 5.1x, **copy all files from the CM Portal v 5.1x media's** `\migrate` **folder** to a new, local directory of your choice. For example, you can copy the `\migrate` folder files to:

  ```
  C:\Program Files\Hewlett-Packard\CM\ManagementPortal\migrate
  ```

Also copy `nvdkit.exe` from the installed CM 5.1x Portal's `\ManagementPortal\` directory to the local directory where you placed the migrate files."

- Added support for upgrading the nvdkit build when using Agent Self-maintenance. Upgraded the CM Portal OpenLDAP directory service from Connexitor™ Directory Services (CDS) version Silver to CDS version Gold. CDS is a binary distribution of OpenLDAP offered by Symas™. The upgraded Gold version provides productivity enhancements and greatly expanded scalability.

- The maximum recommended size of a zone for this release is 50,000 devices.

- Added REFRESHMSC `rmp.cfg` parameter to adjust how often the Managed Services Cache is refreshed using the services available in the primary CM-CSDB.

- Added support for CM Portal Directory Service troubleshooting:

  — The LDAP directory service (slapd) for the CM Portal Directory now includes a periodic health check to verify the service is running and restart it, if necessary. Use the `OVCMLDAP_HEARTBEAT _INTERVAL` configuration parameter to modify the default interval.

  — For debugging purposes only, added configuration parameters to enable logging of the LDAP directory services, creating a `slapd.log`, `backupslapd.log`, and `slurpd.log`).

- Portal Agent changes:

  — Added CM Portal Agent self-maintenance (Windows only).

  — Added CM Portal Agent support for devices running Windows Vista.

  — Added CM Portal Agent support for devices running AIX, HP-UX, Red Hat Linux, Solaris, and Suse Linux operating systems. The target devices must be running SSH and identify the OS in their CM Portal device properties. The CM Portal must have the USE_SSH configuration parameter set to 1.

CM 5.11: Migrations of non-ASCII data from (Radia 4.2i) RMP v2.2 are not supported.

PROBLEM:	The CM Portal migration code on the CM 5.11 media fails to migrate non-ASCII data from RMP v2.2 Build 911 (I18N version) properly.
CAUSE:	CM Portal migration code on the media requires fixes to properly migrate non-ASCII data from the Management Portal 2.2 (I18N) release.
WORKAROUND	Possible workaround is to recreate the non-ASCII objects that don't migrate successfully in the CM 5.11 Portal. For example, if device groups with non-ASCII names don't migrate, recreate those groups and import the migrated devices into the recreated groups.

Installation panel "Back" buttons are either disabled or do not work

PROBLEM:	When installing the CM Portal the **Back** button is not enabled on all panels. When selecting a **Back** button that is enabled, the panel is not changed to the previous panel.
CAUSE:	Changes in the CM Portal installation program overwrote the **Back** button function in certain panels.
WORKAROUND:	If there is a need to backtrack through the installation panels and the **Back** button is disabled, exit the install and start again.

** RESOLVED** Installation banner displays Version 5.00 for the 5.10 install

PROBLEM:	The banner of the CM Portal Install screen displays Version 5.00, even though the Version being installed is 5.10.
CAUSE:	Failure to update the installation banner display configuration.
WORKAROUND:	The CM 5.11 release resolves this issue.

Starting the Windows Service for HP OVCM Portal displays an error, although the Windows Service successfully starts

PROBLEM:	When starting or restarting the HP OVCM Portal Service, a Windows pop-up box is generated with an error message. The error message states "The service did not respond to the start or control request in a timely fashion". The Windows Service successfully starts even though the pop-up window shows an error.
CAUSE:	The CM Portal start-up time is longer than the time-out value used to trigger the display of the Windows error message pop-up window.
WORKAROUND:	Ignore the Windows error pop-up message, the Windows Service will start successfully.

AD Directory that has more than 1500 members —- browse limitation

PROBLEM:	When browsing an AD Directory object that has more than 1500 members, only the first 1500 members are returned in the "member" attribute by the directory.
CAUSE:	For scalability, AD only returns the first 1500 members in the member attribute. If a user needs to see additional members, he needs to explicitly page through the members using range retrieval as follows: member;range=####-####
WORKAROUND:	This is not supported today in the Portal or the Web Services layer above it, so the Portal and Enterprise Manager Console have no visibility to the additional members.

Proxy Server

- **CM 5.11 and CM 5.10 Documentation Correction:** In the *HP CM Proxy Server Installation and Configuration Guide*, Chapter 5, The CM Enterprise Proxy Server (using Apache) for Windows, the command to preload the Enterprise Proxy Server is written incorrectly as: `httpd://`*`proxy_host_or_IP_address:port`*`/rps/sync`. The correct preload command is:

  `httpd://`*`proxy_host_or_IP_address:port`*`/`**`proc`**`/rps/sync`.

- CM 5.10 now offers two Proxy Server options for Windows platforms:

  — CM Proxy Server 5.10 (HTTP server technology is HP OVCM Integration Server)

  — CM Enterprise Proxy Server 5.10 (HTTP server technology is Apache 2.2.4)

- CM Enterprise Proxy Server for Windows:

  — New service name: CM OVCM Proxy Server (httpd-rps)

  — Installs both co-located (with the CM Configuration Server) or as a caching proxy server

  — Works seamlessly with existing CM Proxy Servers and CM Configuration Servers

  — Includes a service (httpd-rps-cache) to automatically purge the cache every 30 minutes

  — Requires a new installation; existing Integration Server-based Proxy Servers cannot be migrated to the CM Enterprise Proxy Server.

— **CM 511:** Preload command is the same as the one used to preload the CM Proxy Server: `httpd://`*`proxy_host_or_IP_address:port`*`/`**`proc`**`/rps/sync`.

RESOLVED Unable to change default check box during Enterprise Proxy Server – caching proxy installation

PROBLEM:	When installing the Enterprise Proxy Server as a caching proxy server, the checkbox default for "Forward Proxy for Patch Manager OPUS" must be left checked.
CAUSE:	The installer for the Enterprise Proxy Server relies on a checked value in the "Forward Proxy for Patch Manager OPUS" check box.
WORKAROUND:	**The CM 5.11 release resolves this issue.**

Reporting Server

- **CM 5.11** includes performance improvements for filtering and reporting.

- **CM 5.11:** Reporting uses a new table, RRS_DEVICECACHE to improve data filtering and caching. This table is created when the prerequisite database scripts are run (as described in the manual) or it will be automatically created if the Reporting Server ODBC account has CREATE access to the database. Reporting users must have INSERT, DELETE, SELECT, and UPDATE access to this table for Reporting Server to work correctly.

- Added Network Configuration Management report pack.

- Added support for forced (and hidden) filters to all reports. Added additional parameters to the packconfig section of the configuration file (`rrs.cfg`): FORCEDFILTERNAME and FORCEDFILTERVALUE.

- Enterprise Discovery reports are supported for ED version 2.51 or above.

- **Enterprise Discovery support**: MySQL ODBC driver version 3.51.12-win32 is required.

- **Enterprise Discovery support**: UTF8 Enterprise Discovery data may not display correctly when viewed through CM Reporting Server.

Incorrect agent connect times are reported for agents originating from GMT zones with partial hour offsets

PROBLEM:	For agents originating from one of the time zones that are not a full hour offset from GMT, the agent connect time displayed in the Reporting Server will be incorrect. The time zone offsets that are problematic are: UTC-9:30, UTC-4:30, UTC-3:30, UTC+3:30, UTC+4:30, UTC+5:30, UTC+5:45, UTC+6:30, UTC+8:45, UTC+9:30, UTC+10:30, UTC+11:30, UTC+12:45.
CAUSE:	The Messaging Server code is unable to handle partial hour offsets.
WORKAROUND:	Ignore the agent connect times being displayed. There is no workaround at this time.

Settings Migration Manager

- No changes for this release.

Windows Terminal Server and Citrix Support

- No changes for this release.

Local Language Support

For the Configuration Management (CM) 5.11 release, localized versions of the following software components are available for Simplified Chinese, Korean, and Japanese.

- Administrator – win32
- Agent (client) – win32
- Application Management Profiles
- Configuration Server
- Distributed Configuration Server
- Enterprise Manager
- Messaging Server
- Multicast Server
- OS Manager
- Patch Manager Server
- Policy Server
- Portal
- Proxy Server
- Reporting Server

In addition, online help and the following guides are available in Japanese:

- Administrator User Guide
- Application Manager and Application Self-service Manager Installation and Configuration Guide for Windows
- Configuration Server, Portal, and Enterprise Manager Getting Started Guide
- Essentials Guide
- Enterprise Manager User Guide
- OS Manager System Administrator Guide
- Patch Manager Installation and Configuration Guide

Support

You can visit the HP Software support web site at:

www.hp.com/go/hpsoftwaresupport

This Web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

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