

HP OpenView Radia 4.1

HP OpenView Inventory Manager Using Radia

Upgrade Procedures Guide

Software Version: 4.1

Windows Operating System

Software Version 4.1

Unix Operating Systems: HP-UX and Solaris



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There you will find contact information and details about the products, services, and support that HP OpenView offers.

The support site includes:

- Downloadable documentation
- Troubleshooting information
- Patches and updates
- Problem reporting
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About this Guide

Who this Guide is for

This book is for Radia system administrators who want to upgrade the Radia Inventory Manager Clients, Database and Server to Version 4.1.

This guide contains information for the Windows platform.

You should be familiar with Radia products, such as the Radia Database, Radia Configuration Server, Radia System Explorer, Radia Clients, and the Radia Inventory Manager Server.

You should become familiar with new Radia components, such as the Radia Messaging Server and the Radia Reporting Server. For details, see the appropriate guides.

What this Guide is about

The purpose of this guide is to help you upgrade the Radia products and components supporting Radia Inventory Manager from Version 4.0 to Version 4.1.

This guide should be used by systems administrators who want to:

- Upgrade their Radia Clients for Windows or UNIX to the latest version, including Radia Inventory Manager clients.
- Upgrade their Radia Inventory Manager Servers on Windows platforms from version 3.x to version 4.1.
- Upgrade their Radia Inventory Manager Servers on UNIX platforms from version 3.x to 4.1.
- Modify Radia Inventory Manager Databases to support Radia Inventory Manager Server Version 4.1.

Conventions

You should be aware of the following conventions used in this book.

Table P.1 ~ Styles

Element	Style	Example
References	<i>Italic</i>	See the <i>Publishing Applications and Content</i> chapter in this book.
Dialog boxes and windows	Bold	The Radia System Explorer Security Information dialog box opens.
Code	Andale Mono	radia_am.exe
Selections	Bold	Open the \Admin directory on the installation CD-ROM.

Table P.2 ~ Usage

Element	Style	Example
Drives (system, mapped, CD)	Italicized placeholder	<i>SystemDrive</i> : \Program Files\Novadigm might refer to C:\Program Files\Novadigm on your computer. <i>CDDrive</i> : \client\radia_am.exe might refer to D:\client\radia_am.exe on your computer.
Files (in the Radia Database)	All uppercase	PRIMARY
Domains (in the Radia Database)	All uppercase	PRIMARY.SOFTWARE May also be referred to as the SOFTWARE domain in the PRIMARY file.
Classes (in the Radia Database)	All uppercase	PRIMARY.SOFTWARE.ZSERVICE May also be referred to as the ZSERVICE class in the SOFTWARE domain in the PRIMARY file.

Table P.4 ~ Radia Proxy Server Terminology

Term	Definition / Context
base installation directory	The location where your Radia Inventory Manager Server is installed. By default, the Radia Inventory Manager Server is installed into the following directory: <ul style="list-style-type: none"> On a Windows machine, it is: <SystemDrive>:\Novadigm\IntegrationServer On a UNIX machine, it is: /opt/Novadigm/IntegrationServer



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Upgrading to Radia Inventory Manager 4.1

Use these procedures to upgrade an existing Radia Inventory Manager (RIM) 4.0 environment to a Radia Inventory Manager 4.1 environment. Use this document to:

- Upgrade your Radia Clients to the latest version (4.0.1 for Windows and 4.1 for UNIX)
- Modify your Radia Inventory Manager Database for RIM 4.1
- Upgrade your Radia Inventory Manager Server to 4.1.
- Review the Radia Inventory Reporting Auditing Requirements

Upgrade your Radia Clients

Updated Radia 4.1 clients are currently available for UNIX platforms, and updated Radia 4.0.1 clients are currently available for Windows platforms. Use the standard installation procedures to upgrade your Radia Clients. See the appropriate chapters in the *Installation and Configuration Guides* for the following products:

- *HP-OpenView Application Manager Using Radia (Windows and UNIX versions)*
- *HP-OpenView Software Manager Using Radia (Windows and UNIX versions)*
- *HP-OpenView Inventory Manager Using Radia (Windows and UNIX versions)*

Alternatively, you can upgrade your Radia clients remotely using the HP-OpenView Management Portal Using Radia. Refer to the **Install Client** task discussed in the *Installation and Configuration Guide* for that product.

Upgrading your Radia Inventory Manager Server and Database

Important!

The data posting and reporting functions of the RIM server running on Windows have been superseded by Radia Messaging Server v3.0 and Radia Reporting Server, respectively.

For more information on using the Radia Messaging Server to post data using ODBC to your Inventory database, refer to the *Installation and Configuration Guide* for the HP-OpenView Messaging Server Using Radia , version 3.0. The Data Delivery Agents for CORE, INVENTORY and WBEM objects provide this capability.

For more information on using the Radia Reporting Server for creating and obtaining reports, refer to the Installation and Configuration Guide for the HP-OpenView Reporting Server using Radia.

If you are continuing to use the Radia Inventory Manager server for data posting or reporting, use the procedure below to upgrade an existing Radia Inventory Manager Server to Version 4.1. The install media is provided on the Radia 4.1 Infrastructure CD.

Preparing for the Radia Inventory Manager Server Upgrade

Use these preparation steps to remove the existing Windows service or UNIX process for the Radia Inventory Manager, and force an install of all new files.

Permitting Changes to the Radia Inventory Manager Database

These procedures *To prepare a Radia Inventory Manager Server for Upgrade* include steps to delete the existing `\etc\rim` and `\etc\sql` directories. This needs to be done to automatically update an existing database with the changes listed in Table 1 below. (All columns are added with allow nulls.)

HP does not recommend making these changes to an existing database manually.

Table 1 ~ Radia Inventory Manager Database Changes for 4.1

Table	New Columns or Change	
FileAudit	file_md5	new column, type varchar of size 32
	fqsvcid	new column, type varchar of size 255
rCIM_OperatingSystem	wAllocatedSwapSpace	new column of type double
	wAvailableSwapSpace	new column of type double
	wDescription	incremented size from 128 to 255

	wFreePhysicalMemory	changed from int to type double
	wFreeSpaceInPagingFiles	changed from int to type double
	wFreeVirtualMemorySize	renamed from wFreeVirtualMemory changed from int to type double
	wLoadAverageFifteenMinutes	new column of type varchar of size 128
	wLoadAverageFiveMinutes	new column of type varchar of size 128
	wLoadAverageOneMinute	new column of type varchar of size 128
	wMaxProcessesPerUser	new column of type int
	wMaxProcessMemorySize	changed from int to type double
	wOperatingSystemCapability	new column of type varchar of size 128
	wOtherTypeDescription	incremented size from 128 to 255
	wOtherVersionDescription	new column of type varchar of size 128
	wReservedSwapSpace	new column of type double
	wSizeStoredInPagingFiles	changed to type double
	wSystemUpTime	new column of type double
	wTotalSwapSpaceSize	changed from int to type double
	wTotalVirtualMemorySize	changed from int to type double
	wTotalVisualMemorySize	renamed to: wTotalVisibleMemorySize
	wUsedSwapSpace	new column of type double
rNVD_GroupMember	userid	incremented size from 32 to 255
	wGroupAccount	incremented size from 128 to 255
	wUserAccount	incremented size from 128 to 255
rNVD_INSTALLED _UNINSTALL	wLanguage	change type from int to varchar of size 10

To prepare a Radia Integration Manager Server (for Windows)

1. Stop the existing Radia Integration Server service (httpd).
 - If the service is running as a Windows Service, stop it from the Windows Service control window.
 - If the service is not running as a Windows service, stop it by typing the following command in a DOS window from the directory where the RIS Service was installed:
 nvdkit httpd.tkd stop

2. Create a backup of the Radia Integration Manager Server directory.
3. Remove the existing Radia Integration Server (httpd) service. To do this, open a DOS window and change to the directory where the Radia Inventory Manager was installed. Issue the following command:

```
nvdkit httpd.tkd remove
```
4. Change to the <RIS>\etc directory.
5. Delete the **rim** and **sql** subdirectories of the <RIS>\etc directory.

After performing these steps, you can install the new Radia Inventory Manager Server to the same location as the existing one. See *Installing the Radia Inventory Manager 4.1 Server* on page 11.

To prepare the Radia Integration Manager Server (for UNIX)

1. Stop the existing Radia Integration Server process (httpd). To stop the process, go to the <RIS> directory. First obtain the Process ID (PID) and then kill the process.

Note

The following are general guidelines and the commands are examples that may vary slightly depending on the UNIX type you are using.

To obtain the PID for the Radia Integration Server Service, type the following command to list all the UNIX processes for nvdkit:

```
pHs -f | grip nvdkit
```

Run the following command to kill the PID listed for the Radia Integration Service.

```
kill -9 <PID>
```

2. Create a backup of the entire Radia Integration Manager Server directory.
3. Remove the existing Radia Integration Server (httpd) process. To do this, execute the following command from the <RIS> directory:

```
nvdkit httpd.tkd removes
```
4. Change to the <RIS>/etc directory.
5. Delete the **rim** and **sql** subdirectories of the <RIS>/etc directory.
6. After performing these steps, you can install the new Radia Inventory Manager Server to the same location as the existing one. Use the procedures in the following task.

Installing the Radia Inventory Manager 4.1 Server

Use these steps to install version 4.1 of the Radia Inventory Manager Server as part of the upgrade procedures.

To install Radia Inventory Manager Server 4.1 (Windows and UNIX)

1. Launch the installation program for the Radia Inventory Manager Server, available from the following platform-specific location on the Radia Infrastructure CD:

\extended_infrastructure\inventory_manager_server\<<platform>

- For Windows, click on **setup.exe** to launch the installation program.
- For a UNIX platform, enter the following command:

./install

and press **Enter**.

2. Follow the prompts to complete the installation, which installs a new version of the Radia Inventory Manager Server to the necessary level. Choose the same install location as your existing Radia Inventory Manager Server.

Notes

Any customizations made to taskend.tcl must be relocated to the Radia Inventory Manager Server's **/etc/rim/lib** directory, or they will not be loaded.

3. Restart the Radia Integration Server (httpd) service or process.

Review Radia Inventory Reporting Auditing Requirements

When using the new Radia Reporting Server to view a Radia Inventory Manager database, the WBEM instances listed in Table 2 below should be enabled for the Radia Inventory Manager Reporting Package. This package is in the Audit class of your Radia Database. These fields are relied upon to produce the primary reporting table or detailed reports shown in the *Radia Reporting Server Guide*.

For details on how to enable these options, see the topic *Adding Components to Radia Inventory Audits* in the *Radia Reporting Server Guide*.

Table 2 ~ Radia Inventory Manager Reporting WBEM Instances to Enable Radia Reporting

WBEM Class Instance	WBEM Class Instance
Win32_Bios	Win32_PointingDevice
Win32_ComputerSystem	Win32_Printer
Win32_ComputerSystemProduct	Win32_Processor
Win32_DesktopMonitor	Win32_Product
Win32_DiskDrive	Win32_SerialPort
Win32_DiskPartition	Win32_Service

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Win32_Environment	Win32_Share
Win32_Group	Win32_SoundDevice
Win32_Keyboard	Win32_TimeZone
Win32_LogicalDisk	Win32_USBController
Win32_LogicalMemoryConfiguration	Win32_UserAccount
Win32_MotherboardDevice	Win32_VideoController
Win32_NetworkAdapter	Win32_CDROMDrive
Win32_NetworkAdapterConfiguration	Win32_Process
Win32_OperatingSystem	Win32_SystemEnclosure

This completes the tasks to update your Radia Inventory Manager environment to 4.1.