

HP OpenView OS Manager Using Radia

for the Windows and Unix operating systems

Software Version: 2.0

Upgrade Guide

Manufacturing Part Number: T3424-900XX

June 2005



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Technical Support

Please select Support & Services from the following web site:

<<http://www.hp.com/managementsoftware/services>>

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
- Training information
- Support program information

About this document

This document is for customers currently using Radia OS Manager Version 1.6 who need to upgrade to Radia OS Manager Version 2.0.



If you are using a previous version of Radia OS Manager you will have to upgrade to 1.6 first.

About Radia OS Manager Version 2.0

The Radia OS Manager 2.0 contains the following updates.

- Added support for the following Unix Operating Systems in native install mode:
 - HP-UX with Ignite
 - Sun Solaris with Jumpstart
 - Linux Redhat with KickStart
- Added support for Linux Redhat images
 - Added a new Image Preparation Wizard for Linux
 - Added new features to the Radia Publisher
- Supports HP Blade
 - Uses policy to discover and report on Blade information in the Management Portal for:
 - Enclosures
 - Slots
 - Racks
- Added Multicast support using the new Windows Multicast Server 3.1 with HTTP capabilities.
- Enhanced Service OS Linux based on a new Fedora kernel:
 - Provides more service OS drivers.

- Provides maintenance capabilities for the OS Manager Modules from the OS server.
- Supports dynamic service OS drivers to be downloaded from the OS server
- The Radia Management Portal 2.1 for Windows now supports the following.
 - Provides specific administrative operations for Unix OS Management.
 - Allows for Blade Policy assignment.
 - Added pre-OS provisioning tasks.

Pre-requisites

- HP OpenView OS Manager 2.0 Using Radia CD-ROM
- Radia Configuration Server for Windows 4.5.4 SP4 or higher
- Radia Management Portal 2.1 for Windows
- Radia Client 4.0.1 for Windows or Radia Client 4.1 for Unix

About the Migration Process

To migrate from version 1.6 to version 2.0, you must perform the following tasks.

- 1 Update Radia Management Portal
- 2 Update the Radia Configuration Server database.
- 3 Update Radia Configuration Server Methods.
- 4 Update the Boot Server and ROM Server.
- 5 Test the new OS environment.



All of the files you will need are located on the ROMS 2.0 CD-ROM.

Task 1 Updating the Radia Management Portal

- 1 Stop the Management Portal service.
- 2 Copy `\OS_Administrator\romad.tkd` to `SystemDrive:\IntegrationServer\modules\`.
- 2 Restart the Management Portal service.

Task 2 Updating the Radia Configuration Server

- 1 Stop the Configuration Server service.



Be sure to back up your database before continuing.

- 2 Copy the files from `\Migration\export_decks` to `SystemDrive:\ConfigurationSever\bin`.
- 3 From `SystemDrive:\ConfigurationSever\bin` run **migration.cmd**.
- 4 Go `SystemDrive:\ConfigurationSever\bin` and open the **migration.log** to confirm that there are no errors.

Task 3 Updating the RCS Methods in version 4.5.4 SP4

If you are running RCS 4.5.4 SP4 upgrade the methods as described.



If you upgraded to RCS 4.5.4 SP5 then the methods are already installed.

- 1 Copy all files from `\Migration\configuration_server\bin` to `SystemDrive\ConfigurationSever\bin`.
- 2 Copy all files from `\Migration\configuration_server\modules` to `SystemDrive\ConfigurationSever\modules`.
- 2 Copy all files from `\Migration\configuration_server\rexx\NOVADIGM` to `SystemDrive\ConfigurationSever\rexx\NOVADIGM`.
- 3 Restart the Configuration Server.



After completing these tasks you can continue to use OS Manager but it is recommended that you upgrade the Boot Server and the ROMS server if you want to take advantage of the new OS Manager 2.0 features.

Task 4 Updating the Boot Server and ROM Server

- 1 Stop the **PXE** and **Cygwin Inetd** Services.
- 2 Stop the ROM server (HTTPD).
- 2 Copy all files from `\boot_server\win32\media\BootServer\X86PC\UNDI\linux-boot` to `SystemDrive:\ Novadigm\BootServer\X86PC\UNDI\linux-boot`.
- 3 Update all your configuration files `\Novadigm\BootServer\X86PC\UNDI\linux-boot\linux.cfg`. For example, the default file should look like this:

```
DEFAULT bzImage

APPEND initrd=rootfs.gz root=/dev/ram0 rw ip=dhcp
ramdisk_size=68157440 ISVR=yourIPAddress ISVRPORT=3466
```
- 4 Copy the following files from `\common_components`:


```
expandSmbios.tkd
roms_udp.tkd
roms.tkd
```

to *SystemDrive*: \Novadigm\IntegrationServer\modules.

- 5 Copy the following files from \common_components:

```
Nvdcrt.tkd
Httpd.tkd
```

to *SystemDrive*: \Novadigm\IntegrationServer.

- 6 Copy the following files from \os_manager_server\win32:

```
Nvdkit.exe
```

to *SystemDrive*: \Novadigm\IntegrationServer

- 7 Open *SystemDrive*: \IntegrationServer\etc\roms.cfg and add the following:

```
roms::init {
    ...
        CLIENTPATH    {}
        MEDIAPATH     {}
    }
```

- 8 Start the ROMS Server and Boot Server.

Testing Considerations

We recommend prior to go back in full production environment to test your new OS management infrastructure in a pilot to ensure your OS management process is working without any issues.