

# HP OpenView OS Manager Using Radia

for the HP-UX, Linux, Solaris, and Windows operating systems

Software Version: 2.1

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## Migration Guide



Document Release Date: November 2005

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# 1 New Features of Version 2.1

## About Radia OS Manager Version 2.1

The Radia OS Manager 2.1 contains the following updates.

- Added support for the following UNIX Operating Systems in native install mode:
  - Linux SUSE with AutoYAST
- Enhanced support for UNIX operating systems in native install mode
  - HP-UX Gold Image with Ignite
  - DHCP with Solaris Jumpstart
- Added support for IBM Blade
- Added support for Hardware Configuration Management such as Firmware configuration and update, RAID provisioning for Windows and Linux Imaging
- Management Portal 2.1.1 has been improved to communicate quicker with the OS Manager Server
- The OS Administrator interface now supports the following.
  - Provides specific administrative operations for Hardware Configuration Management
  - Allows creation of Devices with predefined Computer and Domain





## 2 Upgrading from 1.6 to 2.1

This chapter is for customers currently using OS Manager Version 1.6 who need to upgrade to OS Manager Version 2.1.

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

### Prerequisites

- OS Manager 2.1 CD-ROM
- Configuration Server for Windows 4.5.4 SP4 or higher
- Management Portal 2.1.1 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 2.1, you must perform the following tasks.

- 1 Update Management Portal.
- 2 Update the Configuration Server database.
- 3 Update 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 2.1 CD-ROM.

## Task 1 Updating the Radia Management Portal

1 Upgrade to the Management Portal version 2.1.1 by using the *Installation and Configuration Guide for the HP OpenView Management Portal Using Radia (Management Portal Guide)*.

2 Stop the Management Portal service.

3 Copy

```
\OS_Administrator\romad.tkd
```

to

```
SystemDrive:\IntegrationServer\modules\.
```

4 Open

```
SystemDrive:\IntegrationServer\etc\romad.cfg
```

and add the following:

```
romad::init {  
  
    update 1  
  
}
```



The OS Manager Administrative password for ROMADMIN and ROMADMINU will be reset.

5 Restart the Management Portal service.

6 After Management Portal successfully started, change `update` in `romad.cfg` to 0 and restart Management Portal.

## Task 2 Updating the Configuration Server Database

1 Stop the Configuration Server service.



Be sure to back up your database before continuing.

2 Copy the files from

```
\Migration\db_migration
```

to

```
SystemDrive:\ConfigurationServer\.
```

3 Open a command prompt (CMD.EXE) and change the directory to

*SystemDrive:\ConfigurationSever\bin*

and run the following command:

```
zedmams ZFILE ../db_migration/migration.dat
```



This process will back your full OS domain to *db\_migration* folder. Make sure you have enough space for it.

*MACHINE.\_NULL\_INSTANCE\_*, *SYSTEM.ZPRODUCT.OS* and *OS\_ROMS* will be overwritten during the upgrade process, if you customizes these instances, you will have to re-apply the customizations.

4 Go to

*SystemDrive:\ConfigurationSever\bin*

and open

```
zedmams.log
```

to confirm that there are no errors.

5 Use the System Explorer to update *OS.ZSERVICE.\_BASE\_INSTANCE\_*.

Change

```
UPPER (' & (MACHINE.OSDVARCH) ') <> 'PC'
```

to

```
0
```

### Task 3 Updating the RCS Methods

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

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.
```

3 Copy all files from

`\Migration\configuration_server\rexx\NOVADIGM`

to

`SystemDrive\ConfigurationSever\rexx\NOVADIGM.`

**4 Apply fix SW320067 (radish.exe) located in**

`\configuration_server_bin`

to

`SystemDrive\ConfigurationSever\bin.`

**5 Restart the Configuration Server.**



After completing these tasks you can continue to use Radia Solution to manage your environment. But OS Manager will require that you update the Boot Server and the ROMS before you can use OS Manager with version 2.1.

**Task 4 Updating the Boot Server and ROM Server**

**1 Stop the PXE and Cygwin Inetd Services.**

**2 Stop the ROM server (HTTPD).**

**3 Copy all files from**

`\boot_server\win32\media\BootServer\X86PC\UNDI\linux-boot`

to

`SystemDrive:\Novadigm\BootServer\X86PC\UNDI\linux-boot.`

**4 Update all your configuration files in**

`\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
```

**5 Copy the following files from \common\_components:**

`expandSmbios.tkd`

`roms_udp.tkd`

`roms.tkd`

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

- 6 Copy the following files from `\common_components`:

```
Nvdcrt.tkd
```

```
Httpd.tkd
```

to `SystemDrive:\Novadigm\IntegrationServer`.

- 7 Copy the following files from `\os_manager_server\win32`:

```
Nvdkit.exe
```

to `SystemDrive:\Novadigm\IntegrationServer`

- 8 Open

`SystemDrive:\IntegrationServer\etc\roms.cfg`

and add the following:

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

- 9 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.

## 3 Upgrading from 2.0 to 2.1

This chapter is for customers currently using OS Manager Version 2.0 who need to upgrade to OS Manager Version 2.1.

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

### Pre-requisites

- OS Manager 2.1 CD-ROM
- Configuration Server for Windows 4.5.4 SP4 or higher
- Management Portal 2.1.1 for Windows
- Radia Client 4.0.1 for Windows or Radia Client 4.1 for UNIX

### About the Migration Process

To migrate from version 2.0 to version 2.1, you must perform the following tasks.

- 1 Update the Management Portal.
- 2 Update the Configuration Server database.
- 3 Update 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 2.1 CD-ROM.

## Task 2 Updating the Radia Management Portal

1 Upgrade to Management Portal version 2.1.1 by using the *Installation and Configuration Guide for the HP OpenView Management Portal Using Radia (Management Portal Guide)*.

2 Stop the Management Portal service.

3 Copy

```
\OS_Administrator\romad.tkd
```

to

```
SystemDrive:\IntegrationServer\modules\.
```

4 Open

```
SystemDrive:\IntegrationServer\etc\romad.cfg
```

and add the following:

```
romad::init {  
    ...  
    update 1  
}
```



OS Manager Administrative password for ROMADMIN and ROMADMINU will be reset.

5 Restart the Management Portal service.

6 After the Management Portal successfully started, change `update` in `romad.cfg` to 0 and restart the Management Portal.

## Task 5 Updating the Configuration Server database

1 Stop the Configuration Server service.



Be sure to back up your database before continuing.

2 Copy the files from

```
\Migration\db_migration
```

to

```
SystemDrive:\ConfigurationSever\
```

3 Open a command prompt (CMD.EXE) and change directory to



*SystemDrive:\ConfigurationSever\bin*

and run the following command:

```
zedmams ZFILE ../db_migration/migration.dat
```



This process will back your full OS domain to the *db\_migration* folder. Make sure you have enough space for it. *MACHINE.\_NULL\_INSTANCE\_*, *SYSTEM.ZPRODUCT.OS* and *OS\_ROMS* will be overwritten during the upgrade process, if you customizes these instances, you will have to re-apply the customizations

4 Go to

*SystemDrive:\ConfigurationSever\bin*

and open

```
zedmams.log
```

to confirm that there are no errors.

### Task 6 Updating the RCS Methods in version 4.5.4 SP4

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

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.
```

3 Copy all files from

```
\Migration\configuration_server\rexx\NOVADIGM
```

to

```
SystemDrive\ConfigurationSever\rexx\NOVADIGM.
```

4 Apply fix SW320067 (*radish.exe*) located in

```
\configuration_server_bin to
```

```
SystemDrive\ConfigurationSever\bin.
```

5 Restart the Configuration Server.



After completing these tasks you can continue to use Radia Solution to manage your environment. But OS Manager will require that you update the Boot Server and the ROMS before you can use OS Manager with version 2.1.

**Task 7** Updating the Boot Server and ROM Server

1 Stop the PXE and Cygwin Inetd Services.

2 Stop the ROM server (HTTPD).

3 Copy all files from

`\boot_server\win32\media\BootServer\X86PC\UNDI\linux-boot`

to

`SystemDrive:\ Novadigm\BootServer\X86PC\UNDI\linux-boot.`

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`:

`Nvdcert.tkd`

`Httpd.tkd`

to

`SystemDrive:\Novadigm\IntegrationServer.`

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

`Nvdkit.exe`

to

`SystemDrive:\Novadigm\IntegrationServer`

7 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.

