HP Client Automation

OS Manager

for the Windows® operating system

Software Version: 7.80

Migration Guide

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

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Table 1   Document Changes

Chapter	Version	Changes
All	7.80	Updated for HPCA version 7.80

Support

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Contents

1 Introduction

> The HP Client Automation 7.80 installation media is required to use the migration steps identified in this guide.
>
> Create the OS Manager installation media from the OS Manager ISO image. This may be shipped as a separate DVD.

Use this migration guide to upgrade your HP Client Automation (HPCA) OS Manager to version 7.80 from any of the following versions:

- Radia OS Manager 2.1
- CM OS Manager 5.x
- HPCA OS Manager 7.2x or 7.5x

> This guide pertains **only** to HPCA Classic (component-based) installations.
>
> If you are migrating from a version 7.2x or 7.5x HPCA Core and Satellite environment, do not use this guide. Instead, refer to the *HPCA Enterprise Edition Core and Satellite Migration Guide* for migration instructions.

This guide covers how to migrate the OS Manager only. For migration of other infrastructure product such as the Client Automation Configuration Server and Client Automation Portal, see the appropriate migration guides on the HPCA media.

Migration Overview

The OS Manager migration is completed in the following tasks:

- Task 1 Update the MACHINE class in the Configuration Server Database
- Task 2 Update the LME class in the Configuration Server Database
- Task 3 Prepare your existing OS Manager Server
- Task 4 Upgrade the Portal
- Task 5 Upgrade the Configuration Server
- Task 6 Update edmprof.dat in the Configuration Server
- Task 7 Upgrade the Proxy Server
- Task 8 Upgrade the Administrator
- Task 9 Upgrade the Boot Server
- Task 10 Upgrade the OS Manager Server
- Task 11 Install the Enterprise Manager

OS Manager Server Path, Service, and Port

As of HPCA version 7.20, the OS Manager Server is no longer installed to a shared Integration Server location and no longer shares an Integration Server service or port, by default. The OS Manager Server is now installed to a separate location and uses a separate port and service name.

- **Default Installation Path for HPCA Classic:**

    SystemDrive:\Program Files\Hewlett-Packard\CM\OSManagerServer

- **Port:** 3469

- **Service Name**: HPCA OS Manager (httpd-osm)

2 Migration Procedures

▶ You must perform the following steps before upgrading your HPCA Agent.

Preparation Tasks

Task 1 Update the MACHINE class in the Configuration Server Database

▶ For OS Manager 5.10 or above, skip this task.

As of version 5.10, a new attribute, DFLTSVOS, was added to the PRAIMARY.MACHINE.MACHINE class in the Configuration Server Database. This attribute must be placed before all _ALWAYS_ connections in the class template.

1 Open Radia System Explorer.

2 Navigate to PRIMARY.MACHINE

3 Right-click **Machine Identities**, and select **Edit Class**.

4 In the edit window, select the first _ALWAYS_ attribute (it will have the description, **Default Behavior**).

5 Click **Insert Before**.

6 Add a new attribute with the following parmeters:
   — Name: DFLTSVOS
   — Length: 32
   — Description: Default Service OS

7 Click **OK**.

8 Click **Yes**.

9 Expand Machine Identities, _BASE_INSTANCE_, and double-click the new DFLTSVOS attribute.

10 Enter the value _NONE_.

11 Click **OK** to close the editing window.

Task 2 Update the LME class in the Configuration Server Database

▶ For OS Manager 5.10 or above, skip this task.

1 Stop the Configuration Server service.

2 Go to a command prompt and change to the Configuration Server's bin directory.

3 Run the following command:

```
ZEDMAMS
VERB=CHANGE_FIELDNAME,DOMAIN=OS,CLASS=LME,FROMNAME=SVCOS,TONAME=ELGBLSOS
```

Task 3 Prepare your existing OS Manager Server

▶ For OS Manager version 7.2x or 7.5x, skip this task.

1 Create a backup of the existing OS Manager Server directory.

4 Open a command prompt, and navigate to the current installation directory for your existing OS Manager Server. The default installation directories were:

— For version 2.1:

`C:\Novadigm\IntegrationServer`

— For version 5.x:

SystemDrive`:\Program Files\Hewlett-Packard\CM\IntegrationServer`

5 Stop the Integration Server service using the following command:

sc stop httpd

6 If the Integration Server hosting the OS Manager Server is also hosting another infrastructure server module such as the Proxy Server, perform the following steps:

a Edit the `httpd.rc` file located in the `\IntegrationServer\etc` directory.

b Comment out the following line:

`#module load roms`

c Save the changes.

d Restart the Integration Server service to run the other infrastructure server modules. The OS Manager Server will remain stopped.

7 If the Integration Server hosting the OS Manager Server is **not** hosting another infrastructure server module, type **sc delete httpd** to remove the Integration Server.

Migration Tasks

Task 4 Upgrade the Portal

Use the *HP Client Automation Portal Migration Guide* to upgrade the Portal to version 7.80.

▶ You must use the same zone name during the installation of the Portal version 7.80 as your existing Portal.

Task 5 Upgrade the Configuration Server

⚠ After you upgrade, any customizations made to `rombl.cfg` in the LSB package will be lost. Use the Admin CSDB Editor to save the existing `rombl.cfg` (right-click the file and use the **Edit this Component** option).

Use the *HP Client Automation Configuration Server and Database Migration Guide* for instructions to upgrade the Configuration Server database to the latest version.

Task 6 Update edmprof.dat in the Configuration Server

1 Edit the file, `edmprof.dat`, in the Configuration Server's `bin` directory

2 In the `[MGR_ROM]` section

— Set `PORTAL_HOST` to the IP address for the Portal.

— Set `DISPLAYNAME` to the same value as the DISPLAYNAME attribute in the roms.cfg file. This ensures that the display name for the device is updated when the OS Manager Server interfaces with the Portal.

If you chose the default during the installation, set this to the value of `COMPNAME`.

The `roms.cfg` file is located:

Version 7.x:

SystemDrive:\Program Files\Hewlett-Packard\CM\OsManagerServer\etc

Version 5.x:

SystemDrive:\Program Files\Hewlett-Packard\CM\IntegrationServer\etc

Version 2.1:

`C:\Novadigm\IntegrationServer\etc`

3 Save and close `edmprof.dat`.

Task 7 Upgrade the Proxy Server

Use the *HP Client Automation Proxy Server Migration Guide* for instructions to upgrade the Proxy Server to version 7.80.

Task 8 Upgrade the Administrator

Use the *HP Client Automation Administrator Migration Guide* for instructions to upgrade the Administrator to version 7.80.

Task 9 Upgrade the Boot Server

1 Create a backup of the Boot Server directory. The default installation directories were:

— **Version 5.x, 7.2x, and 7.5x:**

SystemDrive:\Hewlett-Packard\CM\BootServer

— **Version 2.1:**

`C:\Novadigm\BootServer`

2 Run `setup.exe` from \boot_server\win32 on the OS Manager media. The Boot Server is installed to *SystemDrive*:\Hewlett-Packard\CM\BootServer, by default.

— If you are migrating from a 2.1 or 5.0 version of the Boot Server, you must install the Boot Server to a new directory.

— If you are migrating from a 5.1x, 7.2x, or 7.5x version of the Boot Server, install the Boot Server v7.80 over your existing Boot Server.

The `setup.exe` program will update your Boot Server from version 5.1x, 7.2x, or 7.5x to version 7.80.

Refer to the *Client Automation OS Manager System Administrator Guide* for detailed Boot Server installation instructions.

3 If applicable, port any customizations from the Boot Server backup directory that you created in step 1 to the new Boot Server directory.

— If you are migrating from a 2.1 or 5.0 version of the Boot Server, you must apply any customizations manually to the new Boot Server directory.

Task 10 Upgrade the OS Manager Server

1   If you have no already done so, create a backup of the existing OS Manager Server directory.

2   Run `setup.exe` to install the latest OS Manager Server from the HPCA 7.80 OS Manager media. `setup.exe` is located in `\os_manager_server\win32` directory on the OS Manager media.

> You must use the same Zone name and display name during the installation of version 7.80 as your existing OS Manager Server.

— If you are migrating from a 2.1 or 5.x version of the OS Manager Server, you must install the OS Manager Server to a new directory.

— If you are migrating from a 7.2x or 7.5x version of the OS Manager Server, install the OS Manager Server version 7.80 over your existing one.

The `setup.exe` program will update your OS Manager Server from version 7.2x or 7.5x to version 7.80.

Refer to the *Client Automation OS Manager System Administrator Guide* for detailed installation instructions.

3   If applicable, port any customizations from the OS Manager Server backup directory to the new OS Manager Server directory.

— If you are migrating from a 2.1 or 5.x version of the OS Manager Server, you have to port the customizations manually into the new OS Manager Server directory.

> For OS Manager 2.1 or 5.x upgrades, if you are using Local Service Boot with SAP instances, be sure to modify the port from 3466 to 3469.

Task 11 Install the Enterprise Manager

As of Version 7.50 the Portal user interface has been deprecated. Use the *HP Client Automation Enterprise Manager Migration Guide* for instructions to install Enterprise Manager version 7.80.

> ⚠ Any time you are prompted for the OS Manager Server's IP address and port number, you must now specify the port number (by default 3469). If you do not specify the port number, the port will default to 3466, and OS Management will not work correctly.
>
> Port number 3469 is valid for Classic (component-based) HPCA installations only. This information does not apply to Core and Satellite installations.

Testing Considerations

To ensure the OS management process with working correctly, HP recommends you test your new OS Manager infrastructure in a testing environment before implementing changes to your full production environment.

Creating OS Images Post-Migration

For CM OS Manager 5.x and HPCA OS Manager 7.20 and later:

When a new image is created for ImageX/WinSetup using HPCA version 7.80 in the migrated environment, you must publish a version 7.80 HPCA Agent to be used with the new image. You can not use an Agent package that was published in a pre-migration environment. Agent packages from a pre-migration environment should be used only to deploy pre-migration images.