

HP Client Automation Enterprise

Agents

for Windows® operating systems

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Migration Guide

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This guide's title page contains the following identifying information:

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Table 1 indicates changes made to this document for Version 7.90.

Table 1 Document Changes for this Version

Chapter	Version	Change
All	7.90	Rebranded for 7.90.
Chapter 1	7.90	Page 7, HPCA Agent Upgrade Files , the HPCA installation services folder location is modified from <code>Agents\migration</code> to <code>Media\clients\Migration</code> .
Chapter 1	7.90	Page 7, HPCA Agent Upgrade Files , the HPCA media location is modified from <code>Agents\win32</code> to <code>Media\clients\default\win32</code> .
Chapter 1	7.90	Page 7, HPCA Agent Upgrade Files , the file <code>HPCAE-MgmtAppsxx.msi</code> is renamed to <code>HPCAE-MgmtApps.msi</code> .
Chapter 1	7.90	Page 7, HPCA Agent Upgrade Files , the <code>HPCAE-MgmtApps2.cab</code> file is included in this section.
Chapter 1	7.90	Page 7, Pre-Upgrade Requirement , section is updated.
Chapter 1	7.90	Page 9, Configuring the HPCA Agent Installation Service , section is updated.
Chapter 2	7.90	Page 12, Migration Scenarios , new chapter added.

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1 The HP Client Automation Agent Migration

The upgrade information in this guide applies to the following HP Client Automation (HPCA) agents:

- HPCA Application Manager
- HPCA Application Self-service Manager
- HPCA Inventory Manager

HP Client Automation Documentation

The HP Client Automation documents referenced in this migration guide are *HP Client Automation Administrator User Guide*, *HP Client Automation Administrator Migration Guide*, and *HP Client Automation Application Manager and Application Self-service Manager Installation and Configuration Guide*.

For information on upgrading HPCA Enterprise Edition environment, see the *HP Client Automation Enterprise Edition Migration Guide*

These guides are available on the installation media as well as the HP documentation web site: www.hp.com/go/hpsoftwaresupport.


Requirements for the HPCA Agent

For information about the operating systems on which the HPCA agent can be installed, see the *Release Notes* for HPCA 7.90.

The requirements for installing the HPCA agent are:

- Administrative rights on the computer on which you intend to install the HPCA agents.
- Microsoft .NET runtime version 1.1 and above.

This requirement is specific to systems on which the HPCA Application Self-service Manager is installed.

 Microsoft .NET requires version 5.01 (or later) of Microsoft Internet Explorer.

The .NET installation program is available in the `\dotnet` directory on the HPCA agent installation media. It automatically runs on HPCA Application Self-service Manager host devices on which it is not already installed. This can be configured in `Install.ini` file.

- TCP/IP connection to a computer on which the Configuration Server is running.

The HPCA Agent Upgrade

If you have a HPCA agent and a HPCA Administrator on the same device, HP recommends that you upgrade the HPCA Administrator *after* you upgrade the HPCA agent. For more information on upgrading the HPCA Administrator, see the *HPCA Enterprise Edition Migration Guide*.

HPCA Agent Upgrade Files

- To upgrade the HPCA agent using the HPCA agent installation service, use the files located in `Media\clients\Migration`.
The files are:
`HPCA_AGENT_79_UPGRADE_WIN.XPI`
`HPCA_AGENT_79_UPGRADE_WIN.XPR`
- To upgrade the HPCA agent using the installation media, you can use the files located in the following directories:

- HPCA DVD: `Media\client\default\win32`.

- HPCA Core installation directory:
`<System Drive>:\Program Files\Hewlett-Packard\HPCA\Media\client\default\win32`

The files contained in the above directories are listed below.

- **setup.exe**: If the HPCA agent does not exist on the target device, this file launches the standard HPCA agent installation.

If a previous version of the HPCA agent is detected, this file launches `upgrdmaint.exe`.
- **upgrdmaint.exe**: Performs the HPCA agent upgrade.
- **HPCAE-MgmtApps.msi**: This MSI database file contains the default configuration information for the installation and the HPCA agent components.
- **HPCAE-MgmtApps2.cab**: This cabinet file contains HPCA agent components that are specific to non-Thin client devices such as desktops, notebooks, and workstations. This file is invoked by the `HPCAE-MgmtApps.msi` file during installation.
- **Install.ini**: With this file you can (optionally) customize the HPCA agent installation and the HPCA agent arguments file `args.xml`.
- The `dotnet` and `Samples` subdirectories.

For more information about the files mentioned in this section, see the *HPCA Application Manager and Application Self-service Manager Installation and Configuration Guide*.

Pre-upgrade Requirement

In HPCA 7.90, the default values set in the `[Args]` section of the `Install.ini` file are:

```
identification=$MACHINE
```

```
startdir=SYSTEM
```

With these values the HPCA Applications Self Service Manger has a `SYSTEM` connect with the HPCA Configuration Server. If the existing value for `identification` is `$USER`, you need

to modify the [Args] section of the Install.ini file so that the device does not have a SYSTEM connect. If the identification and startdir values are not modified, the Install.ini overwrites the default values into the existing args.xml file after the upgrade and the HPCA Application Self-service Manager has a SYSTEM connect.

HPCA Agent Upgrade Process

There are several ways to upgrade the HPCA agents:



- The HPCA agent upgrade removes a previous version of the HPCA agent installed on the device.
- In a Lockdown enabled environment, if you have applied Access Control List (ACL) settings to the HPCA agent directories, make sure you revert the ACL settings before you perform the remove, repair, or modify operations for a HPCA agent installer.

- **Use the HPCA agent installation service to distribute the agent upgrade.**
See the section [Configuring the HPCA Agent Installation Service](#) on page 10.
- **Use the installation media to upgrade a HPCA agent in your lab environment.**
The HPCA agent upgrade installation contains the installation files, as well as the upgrade file.
 - When you run the installation, a standard installation is performed.
 - If the installation program detects a previous version of the HPCA agent, it launches the **upgrade** process. In this case, existing HPCA agent object attributes are maintained and the HPCA agent version information is updated to reflect the latest version.
- **Run the upgrade from a network drive.**
To run the HPCA agent upgrade from a network drive, connect to the network drive, and run the following command from the command line.
setup.exe /runlocal
This command copies the contents of the installation media to the local drive and automatically performs the upgrade.

HPCA Agent Upgrade using Installation Service files

This section describes how to use the HPCA agent installation service files or the export decks to perform the HPCA agent upgrade. When you upgrade an existing HPCA agent, it is installed in the existing HPCA agent's directory. The HPCA agent default directories are:

- C:\Program Files\Novadigm (HP Radia 4.x)
- C:\Program Files\Hewlett-Packard\CM\Agent (HP OVCM 5.x)
- C:\Program Files\Hewlett-Packard\HPCA\Agent (HPCA 7.50 and above)

Importing the Decks

In order to distribute the HPCA agent upgrade as an HPCA service, you must import the HPCA agent installation service into the HPCA Configuration Server Database.

To import the decks

- 1 Stop the HPCA Configuration Server. You can use the command prompt or the Control Panel to stop the HPCA Configuration Server.
 - To stop the HPCA Configuration Server using the command prompt, run the **net stop ztoptask** command from the command prompt.
 - To stop the HPCA Configuration Server using the Control Panel, click **Start → Control Panel → Administrative Tools → Services**. From the list of services, select **HPCA Configuration Server** and click **Stop the service**.
- 2 From the installation media folder, `Media\clients\Migration`, copy the HPCA agent installation service files; `HPCA_AGENT_79_UPGRADE_WIN.XPI` and `HPCA_AGENT_79_UPGRADE_WIN.XPR` to `\bin` directory of the HPCA Configuration Server.
For example:
`C:\Program Files\Hewlett-Packard\HPCA\ConfigurationServer\bin`
- 3 Open the command prompt.
- 4 Change the directory path to `C:\Program Files\Hewlett-Packard\HPCA\ConfigurationServer\bin` directory of the HPCA Configuration Server.
- 5 Type:
ZEDMAMS VERB=IMPORT_INSTANCE,FILE=export_deck_name,PREVIEW=NO. Press **Enter**.
- 6 Review the `ZEDMAMS.LOG` file created in the `\bin` directory to ensure that there are no errors and that the import completed successfully with Return Code (RC) 0.
- 7 After the instances are imported, type:
ZEDMAMS VERB=IMPORT_RESOURCE,FILE=export_deck_name,PREVIEW=NO. Press **Enter**.
- 8 Review the `ZEDMAMS.LOG` file created in the `C:\Program Files\Hewlett-Packard\HPCA\ConfigurationServer\bin` directory to ensure that there are no errors and that the import completed successfully with RC 0.
- 9 Close the command prompt.
- 10 Start the HPCA Configuration Server. You can use the command prompt or the Control Panel to start the HPCA Configuration Server.
 - To start the HPCA Configuration Server using the command prompt, run the **net start ztoptask** command from the command prompt.
 - To start the HPCA Configuration Server using the Control Panel, click **Start → Control Panel → Administrative Tools → Services**. From the list of services, select **HPCA Configuration Server** and click **Restart the service**.
- 11 Use the HPCA Admin CSDB Editor to view the new service in `PRIMARY.SOFTWARE.ZSERVICE`.

Configuring the HPCA Agent Installation Service

To configure the HPCA agent installation service, follow these steps:

- 1 Open the HPCA Administrator CSDB Editor.
- 2 In the HPCA Administrator CSDB Editor, go to **Options** → **Advanced** tab, and select **Show Edit Replace and Add Component options for File type components**.
- 3 Locate the default `Install.ini` file whose contents you want to modify in the CSDB.
- 4 Right-click the `Install.ini` in the tree view. A shortcut menu opens.
- 5 Select **Edit this Component** from the shortcut menu.
- 6 The Editor Selector for `Install.ini` dialog box opens. Use this dialog box to select the resident editor you want to use to make the changes to this file. For example, select **Notepad** to open the `Install.ini` file with `Notepad.exe`.

For details about the parameters in `Install.ini`, see the *HPCA Application Manager and Application Self-service Manager Installation and Configuration Guide*.

For more information on the **Edit this Component** command, see the *HPCA Administrator User Guide*.

- 7 Connect the service to the appropriate users for distribution.

For more information, see the *HPCA Application Manager and Application Self-service Manager Installation and Configuration Guide*.

After the service is distributed to a user and the HPCA agent upgrade is complete. The service will no longer be available to the user and is automatically removed from the HPCA agent desktop. There is a ZSTOP expression in the HPCA agent upgrade (ZSERVICE) instance that evaluates to TRUE after the HPCA agent is upgraded. Once this expression evaluates to TRUE, the temporary service folder and the HPCA agent installation files are removed.

2 Migration Scenarios

This chapter includes migration scenarios for:

- HPCA agent 7.80 Non-Lockdown to HPCA agent 7.90 Non-Lockdown mode.
- HPCA agent 7.80 Non-Lockdown to HPCA agent 7.90 Lockdown mode.
- HP CM agent 5.11.4 / HPCA agent 7.8.1 Lockdown to HPCA agent 7.90 Lockdown mode.
- HP CM agent 5.11.4 / HPCA agent 7.8.1 Lockdown to HPCA agent 7.90 Non-Lockdown mode.

Migrating HPCA agent 7.80 Non-Lockdown to HPCA agent 7.90 Non-Lockdown Mode

The HPCA agent 7.80 can be migrated to HPCA agent 7.90 with Non-Lockdown mode through a simple upgrade. For information on the upgrade steps, see [HPCA Agent Upgrade Process](#) on page 8.

Migrating HPCA agent 7.80 Non-Lockdown to HPCA agent 7.90 Lockdown Mode

When migrating from HPCA agent 7.80 with Non-Lockdown mode to HPCA agent 7.90 with Lockdown enabled mode, make sure you set the Lockdown parameters in the [Properties] section of the `Install.ini` file. The Lockdown parameters are:

```
[Properties]
LOCKDOWN=Y
LOCKDOWNSCRIPT=<Customized-Script>
```

HP provides a sample file, `setaccls.bat` that contains sample statements that you can use to create a customized script. The customized script is used to set the Access Control Lists (ACLs) to the agent folders in the HPCA environment. Ensure that the customized script is in the same directory as the `Install.ini` and `setup.exe` files.

You can now migrate to HPCA agent 7.90. To upgrade the agent, see [HPCA Agent Upgrade Process](#) on page 8.

Migrating the User Data to the User Profile

After the successful agent upgrade, you need to transfer the user data to the respective user profiles. You can retain the user data in the respective user profiles by running the `secure_migrate.tcl` script.

To migrate the user data to the respective user profiles, follow these steps:

- 1 Copy the `secure_migrate.tcl` file from `Media\client\default\win32` to the `IDMSYS` folder.

- 2 From the command line, run the following command: `nvdkit secure_migrate.tcl -idmusr <User-Folder-path> -usrmsi <User-Msi-Folder-path>`

On Windows Vista, Windows 7 and Windows 2008 Server the *User-Folder-path* is

```
C:\Users\username\AppData\Local\HPCA\Agent
```

On Windows 2000, Windows XP, and Windows 2003 Server the *User-Folder-path* is:

```
C:\Documents and Settings\username\Local Settings\Application Data\HPCA\Agent
```

You can move the data objects of all the users at the same time by replacing the *username* with the value **ZUSERID** in the above mentioned paths.

The *User-Msi-Folder-path* is the **IDMUSRMSI** path

```
IDMUSRMSI="c:\Program Files\Hewlett-Packard\HPCA\Agent\usermsi"
```

The `secure_migrate.tcl` script automatically reads all the data objects in the **IDMROOT** folder, `C:\Program Files\Hewlett-Packard\HPCA\Agent\Lib`, for each user and moves the data objects to the user profile set in the script.

On Windows 2000, Windows XP, and Windows 2003 Server, the Administrator user contents are moved to:

```
C:\Documents and Settings\Administrator\Local Settings\Application Data\HPCA\Agent
```

On Windows Vista, Windows 7 and Windows 2008 Server, the Administrator user contents are moved to:

```
C:\Users\Administrator\AppData\Local\HPCA\Agent
```

- ▶ If you need to run the customized script for setting ACLs as well as the `secure_migrate.tcl` script, you can append the contents of the `secure_migrate.tcl` script to the customized script. Use this customized script in the **LOCKDOWNSCRIPT** parameter in the [Properties] section of the `Install.ini` file.

Migrating HP CM agent 5.11.4 / HPCA agent 7.8.1 Lockdown to HPCA agent 7.90 Lockdown Mode

Perform the following steps before migrating to HPCA agent 7.90 in Lockdown enabled mode

Modifying the Installation Directory

The **INSTALLDIR** value in the [Properties] section of the `Install.ini` file of HPCA 7.90 needs to be modified with the installation directory path of the existing installation.

For example, in HP CM 5.11, the agent installation directory is `C:\Program Files\Hewlett-Packard\CM\Agent`, whereas in HPCA 7.90, the default installation directory is `C:\Program Files\Hewlett-Packard\HPCA\Agent`. So when migration to HPCA 7.90, change the **INSTALLDIR** value needs to be modified to `C:\Program Files\Hewlett-Packard\CM\Agent` so that the installer reads the new value and does not initiate a fresh installation.

In HPCA 7.80, if you have used a non-default path for installation, update the [Properties] section of the `Install.ini` file for `INSTALLDIR` value with that path location.

Retaining ACL Settings

In HP CM 5.11.4 and HPCA 7.8.1, Lockdown mode is enabled using the `setsecure.bat` file. This batch file performs two functions:

- Enables lockdown mode
- Sets Access Control Lists (ACLs) to the agent folders.

The `setsecure.bat` file contains sample statements that you can use to create a customized script to set ACLs.

Before migrating to HPCA agent 7.90 in Lockdown enabled mode, perform the following steps:

- 1 Copy the customized script you had previously created for HP CM 5.11.4 or HPCA 7.8.1 to the folder `Media\client\default\win32`. The contents of this folder are delivered to the target device during remote deployment.
- 2 Set `LOCKDOWN=Y` in `Install.ini` file of HPCA 7.90 to enable Lockdown.
- 3 Set `LOCKDOWNSCRIPT=<Customized-Script>`.

► In HPCA 7.90, do not use `setsecure.bat` and `setaccls.bat` in the `LOCKDOWNSCRIPT` parameter.

Retaining User Contents after Upgrade

In HPCA 7.90, the default value for `IDMUSR` in `Install.ini` file is `CSIDL_LOCAL_APPDATA\HPCA\Agent`. The `Install.ini` file uses the `IDMUSR` parameter to create user specific contents in the respective user profiles folders on the target device. During migration, set the `IDMUSR` value in the latest version to the `IDMUSR` value used in the previous version of agent installation. You must modify the [Properties] section of `Install.ini` file of HPCA 7.90 for `IDMUSR` to retain the user contents after a successful upgrade.

For example, in HPCA 7.80, the value of `IDMUSR` is `CSIDL_LOCAL_APPDATA\CM\Agents`, and the user profiles are created within the `\CM\Agents` folder structure. If the `IDMUSR` value is not retained while upgrading to HPCA agent 7.90, the `Install.ini` file will create user profiles within the `\HPCA\Agents` folder structure. Therefore, even if the migration is successful, the user data is not retained.

Updating the Registry for `NVD.INI` file Location

In a Non-Lockdown enabled mode, the `NVD.INI` file resides in the `IDMROOT` folder, `C:\Program Files\Hewlett-Packard\HPCA\Agent\Lib`. The `NVD.INI` file location saved in the registry file is `HKEY_LOCAL_MACHINE\Software\Novadigm\Radia\Settings\INIPath`.

When the Lockdown mode is enabled, the `NVD.INI` file is moved from the `IDMROOT` folder to the `IDMSYS` folder, `C:\Program Files\Hewlett-Packard\HPCA\Agent`. After the `NVD.INI` file is moved, it is no longer available to the user.

After the Lockdown mode is enabled, the location of the `NVD.INI` file is changed to the `IDMSYS` folder however the `IDMROOT` folder's path is retained in the registry file. When migrating to HPCA agent 7.90 in Lockdown enabled mode, update the registry file to reflect the new location of the `NVD.INI` file. This prevents a new installation of the HPCA agent.

You can use any one of the following methods to ensure that the registry contains the correct location of the `NVD.INI` file.

Method 1

Modify the registry using command line or batch mode (preferred method)

- 1 Create an `updateINIpath.txt` file with the following content,
`HKEY_LOCAL_MACHINE\SOFTWARE\Novadigm\Radia\Settings`
`INIPath = REG_SZ "C:\PROGRA~1\HEWLET~1\HPCA\Agent\"`
- 2 From the command line, run the command `regini updateINIpath.txt`. You can also run this command on all the target devices before the upgrade.

Method 2

Make sure that the `NVD.INI` file resides in both the `IDMSYS` and the `IDMROOT` folder. You can write a script to copy the `NVD.INI` file from the `IDMSYS` folder to `IDMROOT` folder.

Method 3

Uninstall the existing agent and then install the HPCA agent 7.90 with Lockdown enabled mode. Only the `SYSTEM` or an Administrator user can uninstall the HPCA agent.

Migrating HP CM agent 5.11.4 / HPCA agent 7.8.1 Lockdown to HPCA agent 7.90 Non-Lockdown Mode

To migrate to HPCA agent 7.90 with Non-Lockdown mode:

- 1 Uninstall the existing agent from the target device.
 - 2 Install the HPCA agent 7.90 without setting the Lockdown parameters in the [Properties] section of the `Install.ini` file.
- Migration of Lockdown enabled HP CM 5.11.4 agent / HPCA 7.8.1 agent to HPCA agent 7.90 with Non-Lockdown mode is not supported.

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