HP Client Automation Enterprise

Proxy Server

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

Software Version: 7.50

Migration Guide

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Contents

1 Upgrading the Integration Server-based Proxy Server

This chapter is for HP Client Automation (HPCA) system administrators who want to upgrade an *Integration Server-based* Proxy Server in a traditional HPCA Enterprise environment to an *Integration Server-based* Proxy Server Version 7.50. It can be used to upgrade:

- Proxy Servers on Windows platforms from Version 2.x (Radia 4.x media), 5.xx (CM 5.00 or 5.1x) or HPCA 7.20 to Version 7.50.

- Proxy Servers on UNIX/Linux platforms from Version 2.x (from Radia 4.x media), 5.00 (CM 5.00 or 5.10 media) or HPCA 7.20 to Version 7.50.

You should be familiar with Client Automation products, such as the Configuration Server, Configuration Server Database (CSDB), and the Admin CSDB Editor.

> ⚠ To migrate an HPCA *Apache-based* Enterprise Proxy Server to version 7.50, see the next chapter Upgrading the Apache-based Enterprise Proxy Server on page 9.
>
> If you are using Core and Satellite Servers, the data-caching function of HPCA Proxy Servers are embedded as a Satellite service. To migrate Satellite Servers to Version 7.50, refer to the *HPCA Core and Satellite Servers Migration Guide*.
>
> This chapter and guide does not cover migrating *Integration Server-based* Proxy Servers for Windows to the Enterprise Proxy Server (an *Apache-based* server); this migration path is *not supported*.

Terminology

Table 1 Terminology

Term	Definition
co-located Proxy Server	A Proxy Server installed on the same machine as the Configuration Server (CS) so that resources can be downloaded from the CS database using HTTP. Configured with a −static-type of **server** and with its −static-root pointing to the CS database. Requires no preloading.
edmprof file	The Configuration Server Settings file. This manual uses this non-platform specific, generic reference. • On UNIX operating systems, it is **.edmprof**, located on the **home** directory of the UNIX user ID that installs, starts, stops, and maintains the Configuration Server. • On Windows operating systems, it is **edmprof.dat**, located in the **bin** folder of the Configuration Server directory.

Term	Definition
base installation directory	The location where your Proxy Server is installed. The default for the base directory changed as of Version 5.00. By default, the Proxy Server is installed into the following directory:
	On a Windows machine, it is: **<*SystemDrive*>:\Program Files\Hewlett-Packard\CM\IntegrationServer**
	On a UNIX machine, it is: **/opt/HP/CM/IntegrationServer**
	Note: If a previously installed service has not been removed, the installation will target the existing base installation directory. If the service has been removed, the new default directory location will be targeted for installation.

Proxy Server Upgrade Instructions

Use these procedures to upgrade an existing *Integration Server-based* Proxy Server from version 2.x, 5.xx, or 7.20 to Version 7.20. The procedure applies to both Windows and UNIX environments. The Version 7.50 components include the following:

- An `NVDKIT` using Tcl Version 8.4 (versions prior to 5.10 used Tcl Version 8.2).

- Provision of the latest `tls.tkd` component, which is required to configure secured communications using HTTPS. Refer to the *HP Client Automation Enterprise SSL Implementation Guide* for more information.

- Updated `rps.tkd`, `rps.cfg` and other Proxy Server-related modules.

Note that as of version 5.00, the default installation location changed to `C:\Program Files\Hewlett-Packard\CM\IntegrationServer` on Windows and `/opt/HP/CM/IntegrationServer` on UNIX. To upgrade to the new location, the existing service must be stopped and removed. If the previous version of the Integration Server service exists when you use the 7.50 installation, the new installation will target the existing directory where the Integration Server is installed. If the previous service is removed, then the install will show the new default installation directory.

> A Proxy Server co-located with the Configuration Server points to the resources of the Configuration Server DB. HP recommends installing a co-located Proxy Server into the new default location.

To upgrade from 4.x or 5.x or 7.20 using SETUP.EXE

The upgrade procedure directs you to rename the `rps.cfg` file prior to running the install so that the new `rps.cfg` file is unpacked. After installation, you can merge your earlier customizations with the new `rps.cfg` file. For additional configuration information, see the *HP Client Automation Proxy Server Installation and Configuration Guide.*

1   Create a backup of the entire Proxy Server directory.

2   Rename the `rps.cfg` file in the existing Integration Server's etc directory to `rps32.bak`. This step forces the install of the new `rps.cfg` file.

> You only need to perform steps 3 through 5 if you want to install Proxy Server 7.50 to its new default directory.

3   Open a command prompt, and navigate to the current installation directory for your Proxy Server. The default installation directory for previous versions was `C:\Novadigm\IntegrationServer`.

4   For Windows, type `nvdkit httpd stop` to stop the service. Then type `nvdkit httpd remove` to remove the service.

5   For UNIX, stop the httpd service for the existing Proxy Server. For details, refer to the *Proxy Server Installation and Configuration Guide*.

6   Run the Proxy Server installation program from the computer where the existing Proxy Server is installed. The install program is located on the `\infrastructure\extended_infrastructure\proxy _server\<platform>` directory of the installation media.

> For Windows, the components for Proxy Server 7.50 will be installed to the same location as your existing Proxy Server if the previously installed service has not been removed. If the service has been removed, the new default directory location will be targeted for installation.
>
> For UNIX, the new default directory will display as the target installation path: `/opt/HP/CM/IntegrationServer`. If desired, modify this path to target a different installation directory.

For details on running the install program, see the Installation chapter of the *Proxy Server Installation and Configuration Guide*.

7   After installation, compare the contents of the new `rps.cfg` file that was installed to the Integration Server's etc directory with the `rps32.bak` file. Port any customizations you had in the `rps32.bak` file to the new `rps.cfg` file.

8   Place the merged `rps.cfg` file back in the Integration Server's `etc` directory.

9   The path to your Configuration Server may have changed for this Version. Review the `rps.cfg file` for any configuration parameters pointing to a Configuration Server location. If necessary, modify the paths to represent the current location of your Configuration Server. For Version 7.50, the default path is:

Windows:
    `C:\Program Files\Hewlett-Packard\CM\ConfigurationServer`

UNIX:
    `/opt/HP/CM/ConfigurationServer`

10 Start the HP Client Automation Integration Server (httpd) to start the Proxy Server.

If you installed the Proxy Server into the new path, the Windows service name is **HP Client Automation IntegrationServer (httpd)**.

To start the Proxy Server for UNIX

1   Change your current directory to where you installed the Proxy Server. (If you removed the existing service, the new default is: **/opt/HP/CM/IntegrationServer/**).

2   Type:

```
./nvdkit httpd.tkd
```

3   Press **Enter**.

4   The Proxy Server is started on your computer.

2 Upgrading the Apache-based Enterprise Proxy Server

This chapter is for Client Automation system administrators who want to upgrade their *Apache-based* Enterprise Proxy Servers in a traditional HP Client Automation Enterprise environment from Version 5.xx or 7.20 to Version 7.50.

⚠️ This chapter and guide does not cover migrating *Integration Server-based* Proxy Servers for Windows to the Enterprise Proxy Server (an *Apache-based* server); this migration path is *not supported*.

If you are using Core and Satellite servers, do not use this guide or chapter to migrate the data-caching services of the Satellites. To migrate a Satellite and its component services, refer to the *HPCA Core and Satellite Servers Migration Guide*.

You should be familiar with Client Automation products, such as the Configuration Server, Configuration Server Database (CSDB), and the Admin CSDB Editor.

Terminology

Table 2 Terminology for Enterprise Proxy Servers

Term	Definition
co-located Enterprise Proxy Server	An Apache-based Enterprise Proxy Server installed on the same machine as the Configuration Server (CS) so that resources can be downloaded from the CS database using HTTP. Requires no preloading. Available for Windows servers, only.
edmprof file	The Configuration Server Settings file. This manual uses this non-platform specific, generic reference. • On Windows operating systems, it is **edmprof.dat**, located in the **bin** folder of the Configuration Server directory.
base installation directory	The location where your Enterprise Proxy Server is installed. By default, the Enterprise Proxy Server is installed into the following directory: On a Windows machine, it is: ***<SystemDrive>:*\Program Files\Hewlett-Packard\CM\ProxyServer** **Note:** If a previously installed service has not been removed, the installation will target the existing base installation directory. If the service has been removed, the new default directory location will be targeted for installation.

Enterprise Proxy Server Upgrade Instructions

Use these procedures to upgrade an existing *Apache-based* Enterprise Proxy Server from version 5.xx or 7.20 to Version 7.50. The Enterprise Proxy Server is only supported on Windows servers in a traditional HPCA Enterprise Environment.

> Migrate your HP Configuration Server to version 7.50 prior to migrating your Enterprise Proxy Server(s). For details, refer to the *HPCA Configuration Server Migration Guide*.

Version 7.50 of the Enterprise Proxy Server components include the following changes:

- An upgrade to Apache server Version 2.2.11.

- An upgrade to OpenSSL Version 0.8.9j.

> An Enterprise Proxy Server co-located with the Configuration Server points to the resources of the Configuration Server DB. HP recommends installing a co-located Enterprise Proxy Server …(check wiki).

To upgrade from 5.x or 7.20 using `rps.msi`

Upgrade your Configuration Server to Version 7.50 before you upgrade the Enterprise Proxy Server.

Upgrade your Enterprise Proxy Server using the `rps.msi` installation program on the HPCA 7.50 installation media and the following directions. The details vary for co-located versus data-caching Proxy Servers.

For details on running the install program, see the Installation chapter of the *Proxy Server Installation and Configuration Guide*.

For a co-located Apache Proxy Server migration:

1 Use Windows Add/Remove Programs to uninstall the previous version of the Apache Proxy Server.

2 Install the new version of HPCA Proxy Server using the `rps.msi` program from the HPCA Enterprise 7.50 media and using the same RCS DB/RESOURCES location.

For a data-caching Apache Proxy Server migration:

1 Create a backup of the Proxy Server's cache folder to an external location.

   For example, backup `C:\Program Files\Hewlett-Packard\CM\ProxyServer\cache` to `C:\ProxyServerBackup\cache.`

2 Use Windows Add/Remove Programs to uninstall the previous version of the Apache-based Proxy Server.

3 Install the new version of Apache-based Proxy Server using the `rps.msi` program from the HPCA Enterprise 7.50 media; point to the same upstream server as your previous install.

4 Restore the backed-up cache contents from Step 1.

   For example: Copy the contents of C:\ProxyServer\cache back to C:\Program Files\Hewlett-Packard\HPCA\ProxyServer\cache.