IBM Endpoint Manager
Version 9.0

Patch Management for HP-UX User's Guide

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Chapter 1. Introduction

IBM® Endpoint Manager Patch Management for HP-UX keeps your clients current with the latest updates and service packs.

For each new patch or update that becomes available, Endpoint Manager releases a Fixlet® that can identify and remediate all the computers in your enterprise that need it. With a few keystrokes, the Endpoint Manager Console Operator can apply the patch to all the relevant computers and visualize its progress as it deploys throughout the network. The Endpoint Manager agent checks the operating system version, file versions, the language of the system and other relevant factors to determine when and if a patch is necessary.

Using Fixlets, you can manage large numbers of updates and patches with comparative ease, enabling automated, highly targeted deployment on any schedule that you want. Large downloads can be phased to optimize network bandwidth and the entire deployment process can be monitored, graphed, and recorded for inventory or audit control.

Supported platforms

Learn about the different HP-UX versions that are supported in Endpoint Manager Patch Management for HP-UX.

The supported versions are:
- HP-UX 11.11 (HP-UX 11i Version 1)
- HP-UX 11.23 (HP-UX 11i Version 2)
- HP-UX 11.31 (HP-UX 11i Version 3)

Chapter 2. Setup

Setting up your environment for patch management.

Download plug-ins

Download plug-ins are executable programs that download a specified patch from the website of the patch vendor. To ease the process of caching, Fixlets have an incorporated protocol that uses download plug-ins.

For the Fixlet to recognize the protocol, the related download plug-in must be registered. You must use the Manage Download Plug-ins dashboard to register the download plug-in. After the plug-in is registered, you can run the Fixlets to download, cache, and deploy patches from the IBM Endpoint Manager console.

If you already registered the plug-in, you can use the Manage Download Plug-ins dashboard to run the update. You must use the dashboard also to unregister and configure the download plug-in. For more information about the dashboard, see the succeeding topics.

Note: If you install the download plug-in on relays, it is suggested that you also install it on the server.

Manage Download Plug-ins dashboard

Use the Manage Download Plug-ins dashboard to oversee and manage download plug-ins in your deployment.

You can use the Manage Download Plug-ins dashboard to register, unregister, configure, and upgrade the download plug-ins for different patch vendors. For more information about these features, see the succeeding topics.

You must subscribe to the Patching Support site to gain access to this dashboard. To view the Manage Download Plug-ins dashboard, go to **Patch Management domain** > **All Patch Management** > **Dashboards** > **Manage Download Plug-ins**.
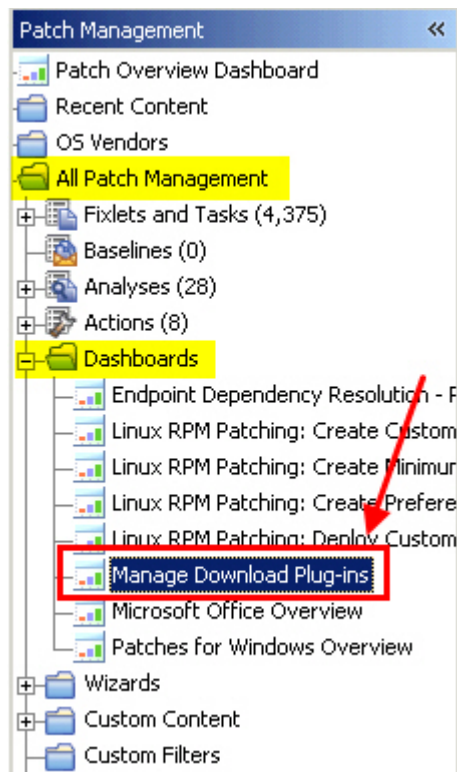
Figure 1. Patch Management navigation tree

The dashboard displays all the servers and windows-only relays in your deployment. You can select a server or relay to view all the plug-ins for that computer. The dashboard shows you also the version and status for each plug-in in one consolidated view.
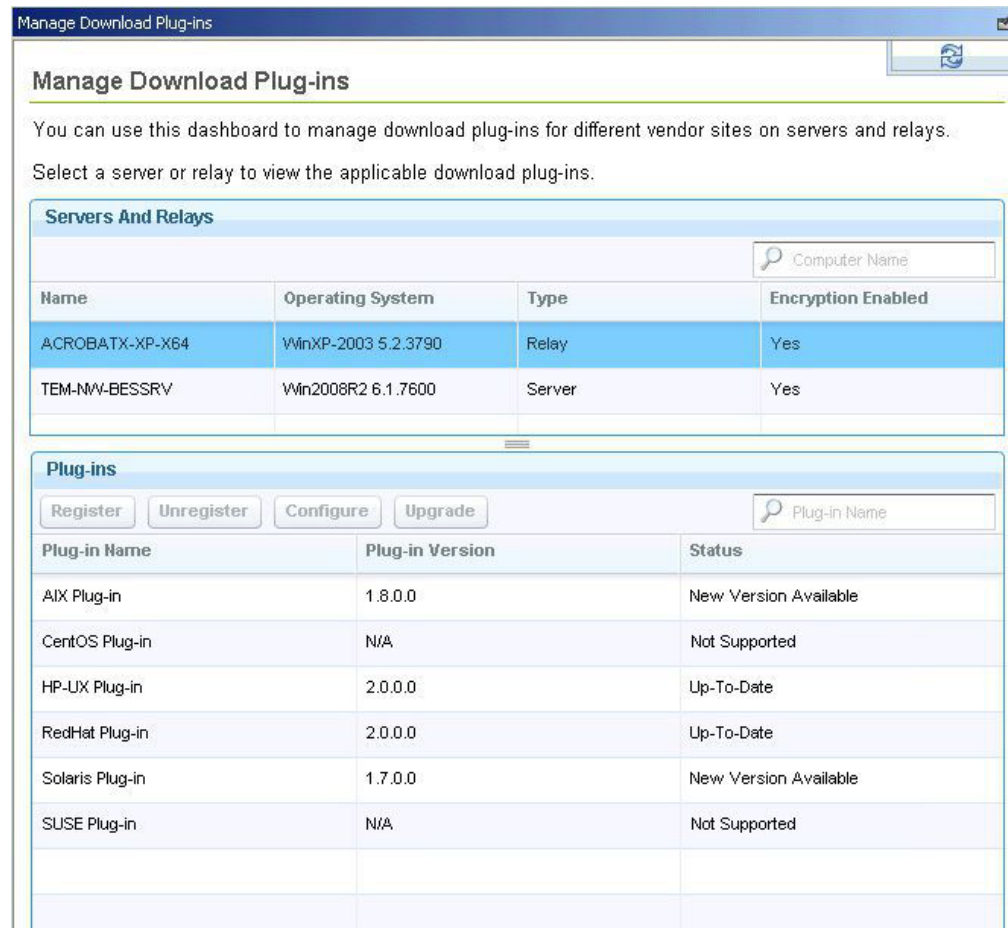
Figure 2. Manage Download Plug-ins dashboard

A plug-in can be in one of the following states:
- Not Installed
- New Version Available
- Up-To-Date
- Not Supported

Note: CentOS and SUSE Linux download plug-ins are not supported in relays.

The dashboard is equipped with a live keyword search capability. You can search based on the naming convention of the servers, relays, and plug-ins.

Registering the HP-UX download plug-in

Use the Manage Download Plug-ins dashboard to register the download plug-in for HP-UX.

You must complete the following tasks:
- Subscribe to the **Patching Support** site to gain access to the Manage Download Plug-ins dashboard.
- Enable the **Encryption for Clients** Fixlet on servers and relays for which you want to register the download plug-in.
- Activate the **Encryption Analysis for Clients** analysis and **Download Plug-in Versions** analysis.

When you register the download plug-in on a computer without the plug-in, the plug-in is automatically installed and the configuration file is created.

If the download plug-in is already installed on the computer, the configuration file is overwritten.

1. From the Patch Management domain, click **All Patch Management** > **Dashboards** > **Manage Download Plug-ins dashboard**.
2. From the Servers and Relays table, select the server or relay on which the download plug-in is to be registered.
3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Register**. The Register HP-UX Plug-in wizard displays.

Register HP-UX Plug-in

This wizard installs and configures the HP-UX Plug-in.

Existing configurations are overwritten.

HP Credentials

HP Username	*
HP Password	*
Confirm HP Password	*

Proxy Server Settings

Proxy URL	http://proxy.example.com/proxy
Proxy Username	
Proxy Password	
Confirm Proxy Password	

OK   Cancel

Figure 3. Register HP-UX download plug-in wizard

5. Enter the HP credentials that you use to log on to the HP Support site.

   HP Username
   > Your HP account user name to the HP Support site. It must have a valid support identifier to download patches.

   HP Password
   > Your HP account password to the HP Support site.

   Confirm HP Password
   > Your HP account password for confirmation.

6. Optional: Enter the proxy parameters if the downloads must go through a proxy server.

Proxy URL
> The URL of your proxy server. It must be a well-formed URL, which contains a protocol and a host name. The URL is usually the IP address or DNS name of your proxy server and its port, which is separated by a colon. For example: `http://192.168.100.10:8080`.

Proxy Username
> Your proxy user name if your proxy server requires authentication. It is usually in the form of `domain\username`.

Proxy Password
> Your proxy password if your proxy server requires authentication.

Confirm Proxy Password
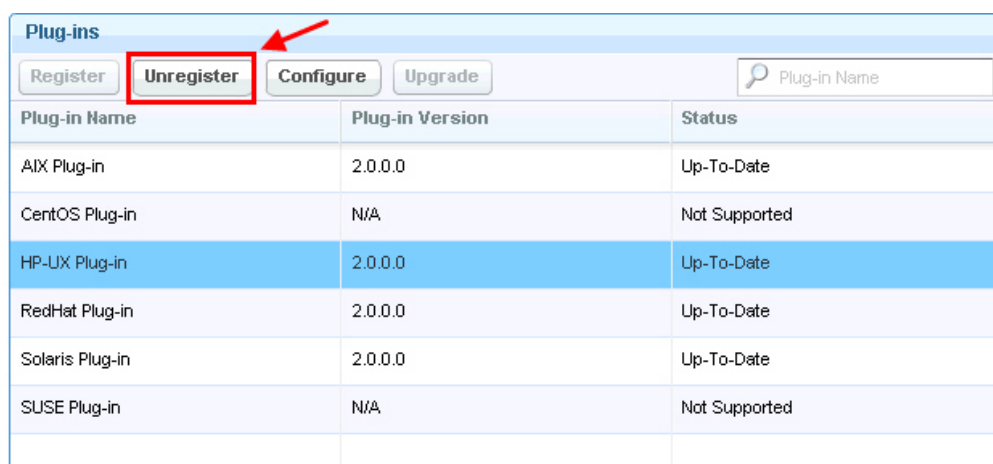> Your proxy password for confirmation.

7. Click **OK**. The Take Action dialog displays.
8. Select the target computer.
9. Click **OK**.

You successfully registered the HP-UX download plug-in.

Unregistering the HP-UX download plug-in

Use the Manage Download Plug-ins dashboard to unregister the download plug-in for HP-UX.

1. From the Patch Management domain, click **All Patch Management** > **Dashboards** > **Manage Download Plug-ins dashboard**.
2. From the Servers and Relays table, select the server or relay on which the download plug-in is to be unregistered.
3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Unregister**.

Figure 4. Unregister the HP-UX download plug-in

> The Take Action dialog displays.
5. Select the target computer.
6. Click **OK**.

You successfully unregistered the HP-UX download plug-in.

Configuring the HP-UX download plug-in

Use the Manage Download Plug-ins dashboard to configure the download plug-in for HP-UX.

You might want to take note of your existing configuration for the download plug-in. Existing configurations are overwritten when you configure the download plug-in.

1. From the Patch Management domain, click **All Patch Management** > **Dashboards** > **Manage Download Plug-ins dashboard**.
2. From the Servers and Relays table, select the server or relay on which the download plug-in is to be configured.
3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Configure**. The Configure HP-UX Plug-in wizard displays.

Figure 5. Configure HP-UX download plug-in wizard

5. Enter the HP credentials that you use to log on to the HP Support site.

   HP Username
   Your HP account user name to the HP Support site. It must have a valid support identifier to download patches.

   HP Password
   Your HP account password to the HP Support site.

   Confirm HP Password
   Your HP account password for confirmation.

6. Optional: Enter the proxy parameters if the downloads must go through a proxy server.

   Proxy URL
   > The URL of your proxy server. It must be a well-formed URL, which contains a protocol and a host name. The URL is usually the IP address or DNS name of your proxy server and its port, which is separated by a colon. For example: `http://192.168.100.10:8080`.

   Proxy Username
   > Your proxy user name if your proxy server requires authentication. It is usually in the form of `domain\username`.

   Proxy Password
   > Your proxy password if your proxy server requires authentication.

   Confirm Proxy Password
   > Your proxy password for confirmation.

7. Click **OK**. The Take Action dialog displays.
8. Select the target computer.
9. Click **OK**.

You successfully configured the HP-UX download plug-in.

Migrating the HP-UX download plug-in

You must migrate the download plug-in if the plug-in version is earlier than 2.0.0.0. You only need to do this once. The download plug-in is upgraded to the latest version after migration.

You might want to take note of your existing configuration for the download plug-in. Existing configurations are overwritten when you migrate the download plug-in.

1. From the Patch Management domain, click **All Patch Management** > **Dashboards** > **Manage Download Plug-ins dashboard**.
2. From the Servers and Relays table, select the server or relay on which the download plug-in is to be migrated.
3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Migrate**. The Migrate HP-UX Plug-in wizard displays.
5. Enter the HP credentials that you use to log on to the HP Support site.

   HP Username
   > Your HP account user name to the HP Support site. It must have a valid support identifier to download patches.

   HP Password
   > Your HP account password to the HP Support site.

   Confirm HP Password
   > Your HP account password for confirmation.

6. Optional: Enter the proxy parameters if the downloads must go through a proxy server.

   Proxy URL
   > The URL of your proxy server. It must be a well-formed URL, which contains a protocol and a host name. The URL is usually the IP address or DNS name of your proxy server and its port, which is separated by a colon. For example: `http://192.168.100.10:8080`.

Proxy Username
> Your proxy user name if your proxy server requires authentication. It is usually in the form of `domain\username`.

Proxy Password
> Your proxy password if your proxy server requires authentication.

Confirm Proxy Password
> Your proxy password for confirmation.

7. Click **OK**. The Take Action dialog displays.
8. Select the target computer on which the download plug-in is to be upgraded.
9. Click **OK**.

You successfully migrated and upgraded the HP-UX download plug-in.

Upgrading the HP-UX download plug-in

Use the Manage Download Plug-ins dashboard to upgrade the download plug-in for HP-UX.

1. From the Patch Management domain, click **All Patch Management** > **Dashboards** > **Manage Download Plug-ins dashboard**.
2. From the Servers and Relays table, select the server or relay on which the download plug-in is to be upgraded.
3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Upgrade**. The Take Action dialog displays.
5. Select the target computer.
6. Click **OK**.

You now have the latest version of the HP-UX download plug-in installed.

Appendix A. Support

For more information about this product, see the following resources:
- IBM Endpoint Manager Support site
- IBM Endpoint Manager wiki
- Knowledge Base
- Forums and Communities

Appendix B. Frequently asked questions

Learn from these questions and answers that are designed to help you better understand Patch Management for HP-UX.

What are superseded patches?

Superseded Fixlets are Fixlets that contain outdated packages. If a Fixlet is superseded, then there exists a newer Fixlet with newer versions of the packages. The newer Fixlet ID can be found in the description of the superseded Fixlet.

How do I verify if the download plug-in was registered correctly?

Run a Fixlet with an action task to verify if the download plug-in is registered correctly. Verify that the patch download is successful. Otherwise, you might need to unregister the download plug-in and register it again.

How do I register a download plug-in? Do I use the register download plug-in task or the Manage Download Plug-in dashboard?

To register a download plug-in, you must use the Manage Download Plug-in dashboard in the Patching Support site. Existing register download plug-in tasks are being deprecated. To learn more about plug-in registration, see "Registering the HP-UX download plug-in" on page 5.

Note: You must also use the Manage Download Plug-in dashboard to unregister, configure, and upgrade download plug-ins. The existing unregister and edit download plug-in tasks are being deprecated. For more information about the dashboard, see the topic on Manage Download Plug-ins dashboard in the IBM Endpoint Manager Information Center.

I was expecting the password to be obfuscated, but it's still in clear text. Why is that?

Check if your download plug-in version is earlier than 2.0. If so, you are still using an old version of the download plug-in that stores credentials in clear text. To encrypt credentials, upgrade your download plug-in to version 2.0 or later from the Manage Download plug-ins dashboard in the Patching Support site.

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