

BigFix
Patch for HP-UX - User's Guide



Special notice

Before using this information and the product it supports, read the information in [Notices \(on page xix\)](#).

Edition notice

This edition applies to BigFix version 10 and to all subsequent releases and modifications until otherwise indicated in new editions.

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Chapter 1. Overview

BigFix® 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, BigFix releases a Fixlet® that can identify and remediate all the computers in your enterprise that need it. With a few keystrokes, the BigFix Console Operator can apply the patch to all the relevant computers and visualize its progress as it deploys throughout the network. The BigFix 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 and updates

BigFix Patch for HP-UX supports various HP-UX versions and updates to ensure that your endpoints are protected.

Table 1. Supported platforms and patches for BigFix Patch for HP-UX

The following table shows a list of supported platforms and patches for BigFix Patch for HP-UX.

| Fixlet Site Name | Supported Platform | Type of Update |
|-------------------|-----------------------------------|--|
| Patches for HP-UX | HP-UX 11.11 (HP-UX 11i Version 1) | <ul style="list-style-type: none">• BUNDLE11i patch bundle• Feature Enablement Pack patch bundle |
| | HP-UX 11.23 (HP-UX 11i Version 2) | <ul style="list-style-type: none">• Gold Quality Pack patch bundle• Hardware Enablement Pack patch bundle |
| | HP-UX 11.31 (HP-UX 11i Version 3) | <ul style="list-style-type: none">• Quality Pack patch bundle |

Site subscription

Sites are collections of Fixlet messages that are created internally by you, by HCL, or by vendors.

Subscribe to a site to access the Fixlet messages to patch systems in your deployment.

You can add a site subscription by acquiring a Masthead file from a vendor or from HCL or by using the Licensing Dashboard. For more information about subscribing to Fixlet sites, see the *BigFix Installation Guide*.

For more information about sites, see the *BigFix Console Operator's Guide*.

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 you register the plug-in, you can run the Fixlets to download, cache, and deploy patches from the BigFix 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.



Notes:

- If you install the download plug-in on relays, it is suggested that you also install it on the server.
- Download plug-ins support basic authentication only.
- The BigFix server and the BigFix client must be on the same version to avoid a null error.

HP-UX download cacher

The HP-UX Download Cacher is command-line tool that is designed to automatically download and cache HP-UX patch bundles on the Windows BigFix server to facilitate the deployment of HP-UX Fixlets.



Important: Use the download cacher tool only if you are using an air-gapped environment or if the total number of packages is too large. You can also use the tool if you want to cache all the downloads for faster execution of actions. Otherwise, use the download plug-in. The preferred method of HP-UX patch caching is to register the HP-UX Download Plug-in from the Manage Download Plug-ins dashboard. For more information about registration, see [Registering the HP-UX download plug-in \(on page 8\)](#).

The tool downloads large files and by default, stores them in the sha1 cache folder. You can also choose to store the files in a different existing directory.

You can either run the download cacher tool task from the BigFix console, or access the tool by downloading and running it manually.

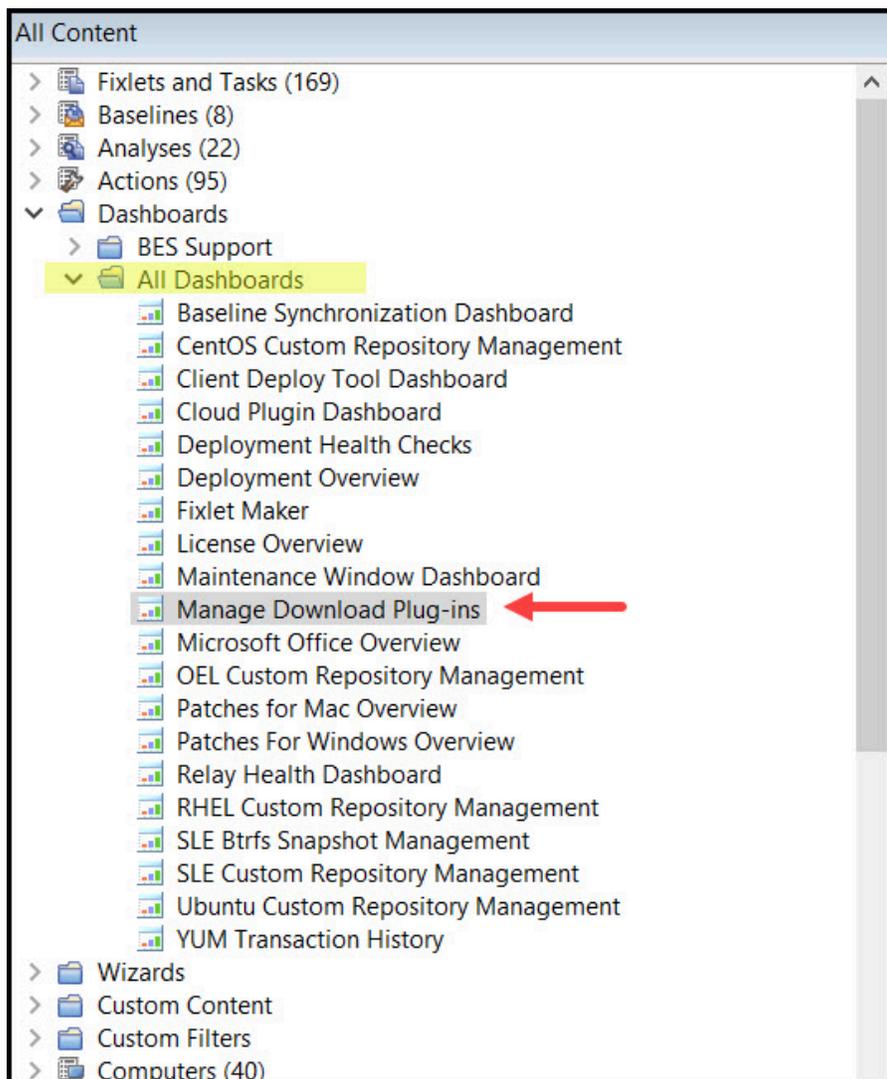
Chapter 2. Manage Download Plug-ins dashboard overview

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.

You must subscribe to the Patching Support site to gain access to this dashboard. To view the Manage Download Plug-ins dashboard, go to **All Content domain > All Dashboards > Manage Download Plug-ins**.

Figure 1. Patch Management navigation tree



The dashboard displays all the servers and windows-only relays in your deployment. 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

The screenshot displays the 'Manage Download Plug-ins' dashboard. At the top, there is a header 'Manage Download Plug-ins' and a sub-header 'Manage Download Plug-ins'. Below this, a message states: 'You can use this dashboard to manage download plug-ins for different vendor sites on servers and relays. Select a server or relay to view the applicable download plug-ins.' A section titled 'Servers And Relays' contains a table with the following data:

| Name | Operating System | Type | Encryption Enabled |
|-----------------|--------------------------------|--------|--------------------|
| EC2AMAZ-T9TT7P5 | Win2019 10.0.17763.1757 (1809) | Server | False |

Below the 'Servers And Relays' section is a 'Plug-ins' section. It features a table with columns for 'Plug-in Name', 'Plug-in Version', and 'Status'. The table lists several plug-ins with their respective versions and statuses:

| Plug-in Name | Plug-in Version | Status |
|------------------------|-----------------|-----------------------|
| ESX Plug-in | N/A | Not Installed |
| WAS Plug-in | N/A | Not Installed |
| FixCentral Plug-in | N/A | Not Installed |
| SCC Plug-in (SUSE) | N/A | Not Installed |
| RHSM Plug-in (Red Hat) | N/A | Not Installed |
| CentOS Plug-in R2 | 1.0.0.6 | Up-To-Date |
| RockyLinux Plug-in | 1.0.0.4 | New Version Available |
| ATX Plug-in R2 | N/A | Not Installed |

A plug-in can be in one of the following states:

- Not Installed
- New Version Available
- Up-To-Date
- Not Supported

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



Note: If you install the download plug-in on BigFix relays, you must also install it on the BigFix server to avoid download issues.

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.
- Activate the **Encryption Analysis for Clients** analysis, which is available from the **BES Support** site.
- Activate the **Download Plug-in Versions** analysis, which is available from the **Patching Support** site.
- If you want to encrypt endpoints, deploy the **Enable Encryption for Clients** Fixlet, which is available from the **BES Support** site.

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 on which the download plug-in is to be registered.

! **Important:** You must always register the download plug-in on the BigFix server.

3. From the Plug-ins table, select **HP-UX Plug-in**.
4. Click **Register**.

The Register HP-UX Plug-in wizard displays.

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

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

Proxy Username

Proxy Password

Confirm Proxy Password

OK **Cancel**

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



Note: Only basic authentication is supported.

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**.

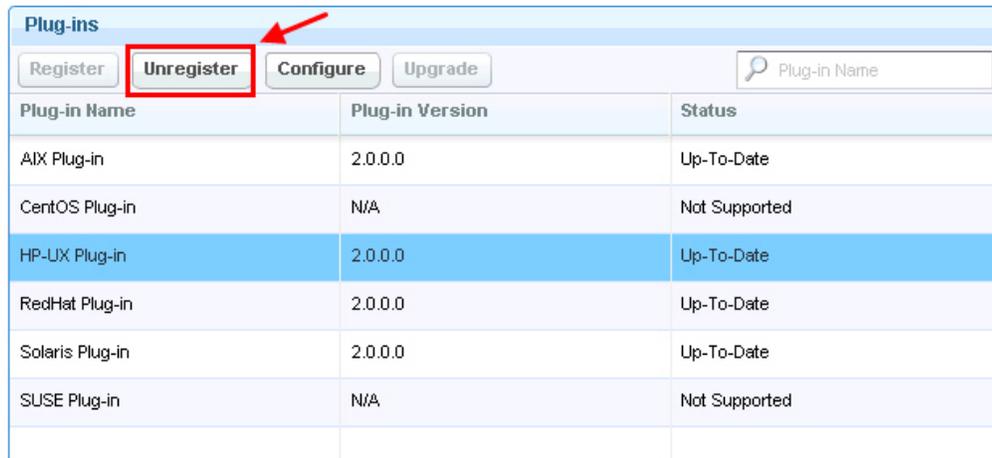
You successfully registered the HP-UX download plug-in.

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 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



| Plug-ins | | | | |
|-----------------|-----------------|---------------|---------|---|
| Register | Unregister | Configure | Upgrade | <input type="text" value="Plug-in Name"/> |
| Plug-in Name | Plug-in Version | Status | | |
| AIX Plug-in | 2.0.0.0 | Up-To-Date | | |
| CentOS Plug-in | N/A | Not Supported | | |
| HP-UX Plug-in | 2.0.0.0 | Up-To-Date | | |
| RedHat Plug-in | 2.0.0.0 | Up-To-Date | | |
| Solaris Plug-in | 2.0.0.0 | Up-To-Date | | |
| SUSE Plug-in | N/A | Not Supported | | |

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 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

Configure HP-UX Plug-in

This wizard configures the HP-UX Plug-in.
Existing configurations are overwritten.

HP Credentials

HP Username *

HP Password *

Confirm HP Password *

Proxy Server Settings

Proxy URL

Proxy Username

Proxy Password

Confirm Proxy Password

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. 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. 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 HP-UX download plug-in to the latest version available.

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 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**.



Note: It is mandatory to re-configure the Download Plug-ins.



Note: The latest versions of Download Plug-ins are enhanced to strengthen the security of storing Proxy Password and Vendor Password.

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

Chapter 3. Patching Using Fixlets

You can apply HP-UX bundled patches to your deployment by using the available Fixlets in the Patches for HP-UX site.

- Ensure that you are subscribed to the Patches for HP-UX site.



Note: The Windows BigFix server and relays must be subscribed to the Patches for HP-UX site for Windows relays tasks to be relevant.

- Register the HP-UX download plug-in. For more information, see [Registering the HP-UX download plug-in \(on page 8\)](#).
1. From the Patch Management domain, click **OS Vendors > Hewlett-Packard HP-UX**.
 2. In the content that is displayed in the list panel, click the Fixlet that you want to deploy. The Fixlet opens in the work area.
 3. Click the tabs at the top of the window to review details about the Fixlet.



Important: View the readme file concerning the patch bundle before installation.

4. Click **Take Action** to deploy the Fixlet. You can also click the appropriate link in the Actions box.
5. You can set more parameters in the Take Action dialog.

For detailed information about setting parameters with the Take Action dialog, see the *BigFix Console Operator's Guide*.

6. Click **OK**.
7. Enter your Private Key Password when necessary.

The action propagates across your network, installing the designated patch on the computers that you specified and according to the schedule that you selected. You can monitor and graph the results of this action to see exactly which computers were remediated to ensure compliance.

Chapter 4. Supersedence

Please refer to Supersedence for Non-Windows to know more about the supersedence.

Appendix A. Support

For more information about this product, see the following resources:

- [BigFix Support Portal](#)
- [BigFix Developer](#)
- [BigFix Playlist on YouTube](#)
- [BigFix Tech Advisors channel on YouTube](#)
- [BigFix Forum](#)

Appendix B. Frequently asked questions

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

The Manage Download Plug-ins dashboard is not reflecting any data. What do I do?

Here are some steps you can do to troubleshoot the issue:

- Gather the latest **Patching Support** site.
- Activate the **Download Plug-in Versions** analysis, available from the **Patching Support** site.
- Clear the BigFix console cache.

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 \(on page 8\)](#).



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*.

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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