

About the Endpoint Module

The ForeScout Endpoint Module provides connectivity, visibility, and control to network endpoints through the following ForeScout components:

- HPS Agent Manager
- HPS Inspection Engine
- Hardware Inventory Plugin
- Linux Plugin
- Microsoft SMS/SCCM Plugin
- OS X Plugin

The Endpoint Module is a ForeScout Base Module. Base Modules are delivered with each ForeScout release. This module is automatically installed when you upgrade the ForeScout version or perform a clean installation of the ForeScout platform.

Components listed above are installed and rolled back with the Endpoint Module.

Refer to the relevant configuration guides for detailed information about how to work with and configure components included with this module. See [Additional ForeScout Documentation](#) for information about how to access these guides, and other documentation.

ForeScout Requirements

ForeScout version 8.1.0-1 or higher

Components described in this document may have additional requirements and dependencies.

About This Release

This section describes updates and important information related to the components delivered in this version of the Endpoint Module. This release also includes enhancements and fixes provided in previous versions. See [Previous Module Versions](#).

The following table identifies the components that are updated in this module version:

Plugin	Requirements	Feature or Security Enhancements	Fixed Issues	Known Issues	Upgrade Considerations
Hardware Inventory Plugin 1.1.1			✓		
HPS Agent Manager Plugin 1.0.4		✓	✓		
HPS Inspection Engine 11.0.4			✓	✓	
Linux Plugin 1.4.3			✓		
Microsoft SMS/SCCM Plugin 2.4.2					
OS X Plugin 2.2.3			✓		

Only components providing new features/enhancements are released with an updated configuration guide (help) that matches the updated version number of the component.

Hardware Inventory Plugin 1.1.1

The Hardware Inventory Plugin extends the host properties discovered by the HPS Inspection Engine to include physical hardware devices, endpoint configuration settings, and related information such as serial numbers.

Requirements

The HPS Inspection Engine must be running.

Feature Enhancements

There are no feature enhancements provided in this version of the Hardware Inventory Plugin.

Fixed Issues

This section identifies the fixed issues for this version of the Hardware Inventory Plugin.

Merged Hotfixes

The following previously released hotfixes are merged into this version of the Hardware Inventory Plugin:

Hotfix	Fix Content	Up to Version
1.1.0.1	Refer to Hotfix 1.1.0.1 Release Notes	1.1.0.1012

HPS Agent Manager Plugin 1.0.4

The HPS Agent Manager performs various background functions to support the endpoint discovery and management activities of the Endpoint Module.

Currently, no configuration is required for this component.

Requirements

There are no unique requirements for the HPS Agent Manager Plugin.

Feature Enhancements

There are no feature enhancements provided in this version of the HPS Agent Manager Plugin.

Security Enhancements

This release of the HPS Agent Manager includes updates that address security issues that are identified in, but not limited to, the following Common Vulnerabilities and Exposures (CVE):

Issue	CVE
EPM-221	CVE-2018-1000873
	CVE-2018-19360
	CVE-2018-19361

Fixed Issues

This section identifies the fixed issues for this version of the HPS Agent Manager Plugin.

Merged Hotfixes

The following previously released hotfixes are merged into this release of the HPS Agent Manager:

Hotfix	Fix Content	Up to Version
1.0.3.1	Refer to Hotfix 1.0.3.1 Release Notes	1.0.3.1023

HPS Inspection Engine 11.0.4

This section describes important information about the HPS Inspection Engine version 11.0.4.

Requirements

- Minimum of Core Extensions Module version 1.1.0 including the DNS Client Plugin
- Minimum of the following Content Modules:
 - Windows Applications version 19.0.1
 - NIC Vendor DB version 19.0.2
 - Windows Vulnerability DB version 19.0.1
- If you are using Flexx licensing, ensure that you have a valid Forescout eyeControl (ForeScout CounterACT Control) license, to use enforcement actions provided by the component. Refer to the *Forescout Flexx Licensing How-to Guide* for more information about managing Flexx licenses.

Requirements

There are no unique requirements for the HPS Inspection Engine Plugin.

Provided with this Release

- HPS SecureConnector version 11.0.04.0005

Feature Enhancements

There are no feature enhancements provided in this release of the HPS Inspection Engine Plugin.

Fixed Issues

This section identifies the fixed issues for this version of the of the HPS Inspection Engine Plugin.

Merged Hotfixes

The following previously released hotfixes are merged into this version of the HPS Inspection Engine Plugin:

Hotfix	Fix Content	Up to Version
10.7.3.1	Refer to Hotfix 10.7.3.1 Release Notes	10.7.3.1052
10.8.1.2	Refer to Hotfix 10.8.1.2 Release Notes	10.8.1.2102
11.0.2.1	Refer to Hotfix 11.0.2.1 Release Notes	11.0.2.1066
11.0.3.1	Refer to Hotfix 11.0.3.1 Release Notes	11.0.3.1021

Fixed for This Version

The following issues are newly fixed in this version of the HPS Inspection Engine Plugin:

Issue	Description
HPS-5762	After installation on Windows in the cloud, the SecureConnector crashes in a loop causing the SecureConnector icon to cycle repeatedly through the grayed out and blue states.

Known Issues

This section describes known issues for this version of the HPS Inspection Engine Plugin.

Issue	Description
HPS-1927	The Disable External Device action does not work with Seagate portable external drives.
HPS-5317	SecureConnector is not successfully installed on endpoints running Windows 7 or Windows 10 when the Endpoint Remote Inspection Method is set to <i>Using MS-RRP</i> and scripts are run using Windows Task Scheduler.

Linux Plugin 1.4.3

This section describes important information about Linux Plugin version 1.4.3.

Requirements

This section lists requirements for the Linux Plugin.

ForeScout Requirements

- Minimum of Endpoint Module version 1.1.0 with the following components:
 - OS X Plugin
 - HPS Inspection Engine
- If you are using Flexx licensing, ensure that you have a valid ForeScout eyeControl (ForeScout CounterACT Control) license, to use enforcement actions provided by the component. Refer to the *ForeScout Flexx Licensing How-to Guide* for more information about managing Flexx licenses.

Networking Requirements

SecureConnector creates an encrypted tunnel from the endpoint to the Appliance through TCP port 10006. This port must be open on enterprise firewalls to support communication between SecureConnector and the Appliance.

Endpoint Requirements

For detailed information about endpoint Linux operating system versions validated for integration with this ForeScout component, refer to the [ForeScout Compatibility Matrix](#).

Using Remote Inspection to manage endpoints requires Python 2.7 or above.

Endpoints must run one of the following Linux operating systems:

- CentOS
- Debian
- Fedora
- Kali
- Mint
- Red Hat Enterprise Linux Workstation/Server
- OpenSUSE
- SUSE Enterprise
- Ubuntu

Provided with this Release

- Linux SecureConnector version 3.5.1000

Feature Enhancements

There are no feature enhancements provided in this version of the Linux Plugin.

Fixed Issues

This section identifies the fixed issues for this version of the Linux Plugin.

Merged Hotfixes

The following previously released hotfixes are merged into this version of the Linux Plugin:

Hotfix	Fix Content	Up to Version
1.1.1.1	Refer to Hotfix 1.1.1.1 Release Notes	1.1.1.1005
1.2.1.1	Refer to Hotfix 1.2.1.1 Release Notes	1.2.1.1027
1.4.1.1	Refer to Hotfix 1.4.1.1 Release Notes	1.4.1.1006
1.4.2.1	Refer to Hotfix 1.4.2.1 Release Notes	1.4.2.1061

Known Issues

This section describes known issues for this version of the Linux Plugin.

Issue	Description
LNX-517	The SecureConnector icon does not display in Ubuntu 14, 15, 16, and 19 operating systems when SecureConnector is run as a dissolvable or visible daemon deployment. Upon reboot, the icon is visible with visible daemon deployments.

Microsoft SMS/SCCM Plugin 2.4.2

This plugin is not updated and retains its existing version number.

Requirements

- If you are using Flexx licensing, ensure that you have a valid Forescout eyeControl (ForeScout CounterACT Control) license, to use enforcement actions provided by the component. Refer to the *Forescout Flexx Licensing How-to Guide* for more information about managing Flexx licenses.

OS X Plugin 2.2.3

This section describes important information about the OS X Plugin version 2.2.3.

Requirements

This section lists requirements for this component.

Forescout Requirements

- Minimum of Endpoint Module version 1.1.0 including the following components:
 - Linux Plugin
 - HPS Inspection Engine
- If you are using Flexx licensing, ensure that you have a valid Forescout eyeControl (ForeScout CounterACT Control) license, to use enforcement actions provided by the component. Refer to the *Forescout Flexx Licensing How-to Guide* for more information about managing Flexx licenses.

Networking Requirements

SecureConnector creates an encrypted tunnel from the endpoint to the Appliance through TCP port 10005. This port must be open on enterprise firewalls to support communication between SecureConnector and the Forescout platform.

Endpoint Requirements

For detailed information about endpoint operating system versions validated for integration with this ForeScout component, refer to the [ForeScout Compatibility Matrix](#).

Feature Enhancements

There are no feature enhancements for this version of the OS X Plugin.

Provided with this Release

- OSX SecureConnector version 17.3.17303

Fixed Issues

This section identifies the fixed issues for this version of the OS X Plugin.

Merged Hotfixes

The following previously released hotfixes are merged into this version of the OS X Plugin:

Hotfix	Fix Content	Up to Version
2.0.3.1	Refer to Hotfix 2.0.3.1 Release Notes	2.0.3.1003
2.1.1.1	Refer to Hotfix 2.1.1.1 Release Notes	2.1.1.1036
2.2.1.1	Refer to Hotfix 2.2.1.1 Release Notes	2.2.1.1012
2.2.2.1	Refer to Hotfix 2.2.2.1 Release Notes	2.2.2.1032

Upgrading the Module




New module releases may become available between ForeScout releases. This section describes how to install the module when a new release becomes available.

To install the module:

1. Navigate to one of the following ForeScout download portals, depending on the licensing mode your deployment is using:
 - [Product Updates Portal](#) - **Per-Appliance Licensing Mode**
 - [Customer Portal, Downloads Page](#) - **Flexx Licensing Mode**

To identify your licensing mode, select **Help > About ForeScout** from the Console.

2. Download the module **.fpi** file.
3. Save the file to the machine where the Console is installed.
4. Log into the Console and select **Options** from the **Tools** menu.
5. Select **Modules**. The Modules pane opens.

6. Select **Install**. The Open dialog box opens.
7. Browse to and select the saved module **.fpi** file.
8. Select **Install**. The Installation screen opens.
9. Select **I agree to the License Agreement** to confirm that you have read and agree to the terms of the License Agreement and select **Install**. The installation cannot proceed unless you agree to the license agreement.
 -  *The installation begins immediately after selecting Install and cannot be interrupted or canceled.*
 -  *In modules that contain more than one component, the installation proceeds automatically one component at a time.*
10. When the installation completes, select **Close** to close the window. The installed module is displayed in the Modules pane.
 -  *Some components are not automatically started following installation.*

Module and Component Rollback

The following rollback/upgrade activities are not supported:

- Rolling back this module (or one of its components) to a version released prior to Forescout 8.1.
- If you are running a version of Forescout lower than 8.1 with the corresponding version of this module installed, you cannot upgrade to this module version (or one of its components).

If you upgrade to a newer module or component version that becomes available after this release, you may be able to roll it back. When rollback is supported, the Rollback button is enabled in the Console.

Modules/components on Appliances connected to the Enterprise Manager are rolled back to the selected version. Modules/components on Appliances that are not connected to the Enterprise Manager during the rollback are rolled back when the Enterprise Manager next reconnects to the Appliances.

To roll back the module or component:

1. Select **Options** from the Console **Tools** menu.
2. Navigate to the **Modules** folder.
3. In the Modules pane, select the module or component to be rolled back.
4. Select **Rollback**. A dialog box opens listing the versions to which you can roll back.
5. Select a version and select **OK**. A dialog box opens showing you the rollback progress.

Previous Module Versions

Installing this module version also installs fixes and enhancements provided in the previous module versions listed in this section. To view Release Notes for previous module versions, see:

https://updates.forescout.com/support/files/plugins/endpoint_inspection/1.1.3/1.1.3-10/RN.pdf

<https://www.forescout.com/company/resources/endpoint-module-release-notes-1-1-2/>

<https://www.forescout.com/company/resources/endpoint-module-1-1-1-release-notes/>

<https://www.forescout.com/company/resources/endpoint-module-1-1-release-notes/>

Additional Forescout Documentation

For information about other Forescout features and modules, refer to the following resources:

- [Documentation Downloads](#)
- [Documentation Portal](#)
- [Forescout Help Tools](#)

Documentation Downloads

Documentation downloads can be accessed from the [Forescout Resources Page](#), and one of two Forescout portals, depending on which licensing mode your deployment is using.

- **Per-Appliance Licensing Mode** – [Product Updates Portal](#)
- **Flexx Licensing Mode** – [Customer Portal](#)

 *Software downloads are also available from these portals.*

To identify your licensing mode:

- From the Console, select **Help > About Forescout**.

Forescout Resources Page

The Forescout Resources page provides links to the full range of technical documentation.

To access the Forescout Resources page:

- Go to <https://www.Forescout.com/company/resources/>, select **Technical Documentation**, and search for documents.

Product Updates Portal

The Product Updates Portal provides links to Forescout version releases, Base and Content Modules, and eyeExtend products, as well as related documentation. The portal also provides a variety of additional documentation.

To access the Product Updates Portal:

- Go to <https://updates.forescout.com/support/index.php?url=counteract> and select the version you want to discover.

Customer Portal

The Downloads page on the Forescout Customer Portal provides links to purchased Forescout version releases, Base and Content Modules, and eyeExtend products, as well as related documentation. Software and related documentation only appear on the Downloads page if you have a license entitlement for the software.

To access documentation on the Forescout Customer Portal:

- Go to <https://Forescout.force.com/support/> and select **Downloads**.

Documentation Portal

The Forescout Documentation Portal is a searchable, web-based library containing information about Forescout tools, features, functionality, and integrations.

To access the Documentation Portal:

- Go to https://updates.forescout.com/support/files/counteract/docs_portal/

Forescout Help Tools

Access information directly from the Console.

Console Help Buttons

Use context-sensitive *Help* buttons to access information about tasks and topics quickly.

Forescout Administration Guide

- Select **Forescout Help** from the **Help** menu.

Plugin Help Files

- After installing the plugin, select **Tools** > **Options** > **Modules**, select the plugin, and then select **Help**.

Online Documentation

- Select **Online Documentation** from the **Help** menu to access either the [Forescout Resources Page](#) (Flexx licensing) or the [Documentation Portal](#) (Per-Appliance licensing).

Contact Information

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About the Documentation

- Refer to the Technical Documentation page on the Forescout website for additional documentation: <https://www.Forescout.com/company/technical-documentation/>
- Have feedback or questions? Write to us at documentation@forescout.com

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