FORESCOUT

Forescout

Windows Applications

Configuration Guide

All versions

Contact Information

Forescout Technologies, Inc.

190 West Tasman Drive

San Jose, CA 95134 USA

https://www.Forescout.com/support/

Toll-Free (US): 1.866.377.8771

Tel (Intl): 1.408.213.3191

Support: 1.708.237.6591

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

Legal Notice

2020-12-15 11:43

Table of Contents

About the Windows Applications Content Module

Windows Applications is a Content Module that works with the HPS Inspection Engine to support in-depth discovery and management of the following software and applications on Windows endpoints:

- Windows operating system information, including:
  - Release
  - Package/flavor
  - Service Pack
- The following third-party applications, which present unique security challenges:
  - Antivirus
  - Peer-to-peer
  - Anti-spyware
  - Personal Firewall
  - Instant Messaging
  - Hard Drive Encryption
  - Cloud Storage
  - Microsoft products and other applications on Windows endpoints

The Windows Applications Module provides host properties and actions that let you detect and manage endpoints based on this information. Use the Forescout policies to discover endpoints running specific applications, and to apply remediation actions.

For example:

- Identify endpoints running specific Windows operating systems and apply patches or vulnerability updates.
- Identify endpoints running specific peer-to-peer applications and kill the application.
- Update a specific antivirus package and start it on an endpoint.

Endpoint Applications Detected by the Module

- For information about the vendor models (hardware/software) and versions (product/OS) that are validated for integration with this Forescout component, refer to the Forescout Compatibility Matrix.

Module Requirements

The module requires:

- Forescout Endpoint Module version 1.0 or above, with the HPS Inspection Engine running.
- It is recommended to install the latest version of the Device Profile Library Content Module.

- 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.

How to Install the Windows Applications Content Module

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.

Ensure That the Windows Applications Plugin Is Running

After installing the Windows Applications Plugin (and configuring it, if necessary), ensure that it is running.

To verify:

1. Select **Tools** > **Options** > **Modules**.
2. In the *Modules* pane, hover over the Windows Applications Plugin name to view a tooltip indicating if it is running on Forescout devices in your deployment.

The name is preceded by one of the following icons:

- – - The Windows Applications Plugin is stopped on all Forescout devices.
- – - The Windows Applications Plugin is stopped on some Forescout devices.
- – - The Windows Applications Plugin is running on all Forescout devices.

3. If the Windows Applications Plugin is not running, select **Start**, and then select the relevant Forescout devices.
4. Select **OK**.

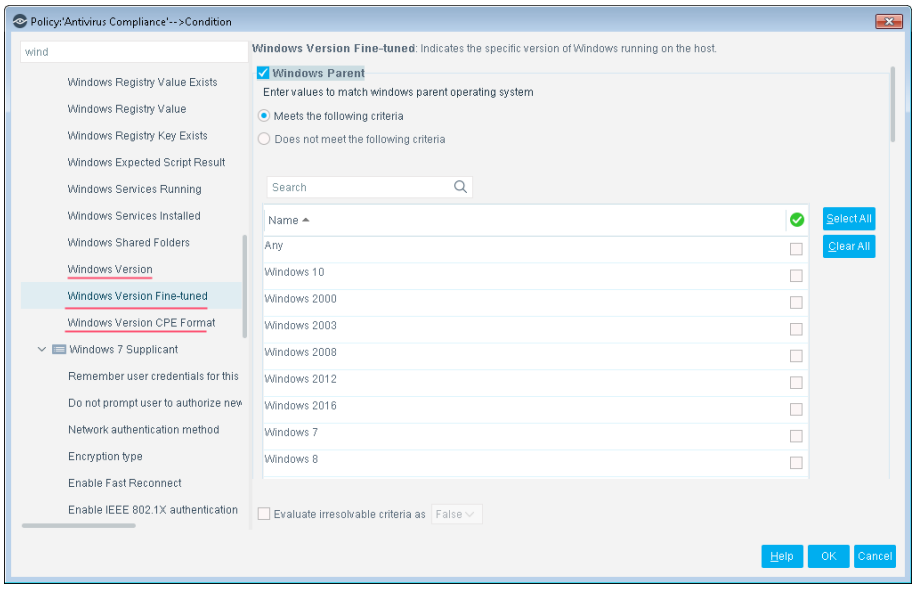
Capabilities Provided by the Windows Applications Content Module

The module provides host properties and actions to support the following policy-based detections and management actions:

- Use the Windows Applications Module to Detect Windows Versions
- Use the Windows Applications Module to Detect Third-Party Applications
- Use the Windows Applications Module to Manage Third-Party Applications

Use the Windows Applications Module to Detect Windows Versions

The module provides the following host properties to detect Windows applications.

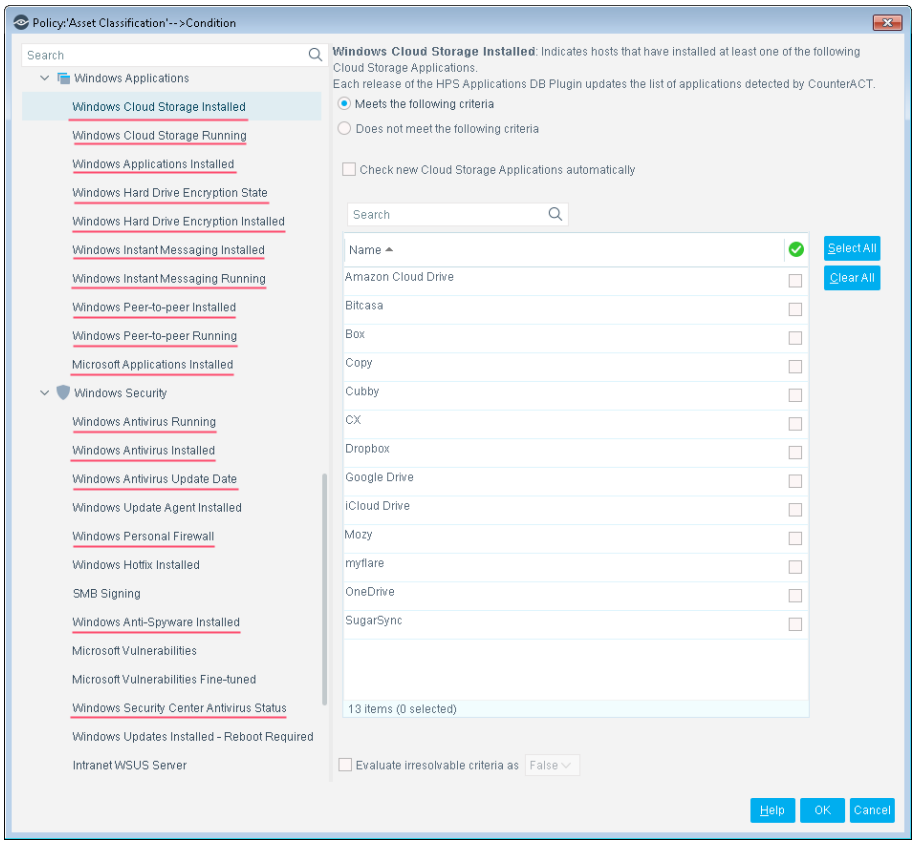


Windows Version	Identifies Windows versions detected on the endpoint.

Windows Version CPE Format	Identifies Windows versions running on an endpoint, in Common Platform Enumeration format. The property returns the full CPE 2.3 name string for each Windows version, as follows: `cpe:2.3:o:<vendor>:<product>:<version>:<update>:<edition>:<language>:<sw_edition>:<target_sw>:<target_hw>:<other>` Use Forescout text matching tools to create policy conditions that identify logical parts or substrings of the CPE name string.
Windows Version Fine-tuned	Identifies Windows versions detected on the endpoint, based on detailed criteria such as Windows version, flavor, and service packs.

Use the Windows Applications Module to Detect Third-Party Applications

The module provides the following host properties to detect third-party applications.



These host properties list the third-party applications that Forescout eyeSight detects. Each release of this module updates the applications that are listed, while eyeSight detects new applications.

The **Check new...** and **Detect new...** checkboxes determine whether new applications supported by subsequent updates are added to the condition you define.

- By default, the checkbox is cleared, and the condition remains as you defined it. New applications are not included in the condition criteria.

- Select the checkbox to include new applications in the condition criteria.

Windows Anti-Spyware Installed	Identifies the anti-spyware applications(s) installed on the Windows endpoint.
Windows Antivirus Installed	Identifies the antivirus applications(s) installed on the Windows endpoint, as detected by Forescout eyeSight.
Windows Antivirus Running	Identifies the antivirus application(s) running on the Windows endpoint, as detected by Forescout eyeSight.
Windows Antivirus Update Date	Identifies the most recent date and time that antivirus application(s) were updated on the Windows endpoint, as detected by Forescout eyeSight.
Windows Cloud Storage Application Installed	Identifies the cloud storage applications(s) installed on the Windows endpoint.
Windows Cloud Storage Application Running	Identifies the cloud storage application(s) running on the Windows endpoint.
Windows Hard Drive Encryption Installed	Identifies whether supported encryption applications are installed on the Windows endpoint.
Windows Hard Drive Encryption State	Identifies whether one or more drives/partitions on the Windows endpoint have been encrypted using supported encryption applications.
Windows Instant Messaging Installed	Identifies the instant messaging applications(s) installed on the Windows endpoint.
Windows Instant Messaging Running	Identifies the instant messaging application(s) running on the Windows endpoint.
Microsoft Applications Installed	Identifies the Microsoft application(s) installed on the Windows endpoint.
Windows Peer-to-peer Installed	Identifies the peer-to-peer applications(s) installed on the Windows endpoint.
Windows Peer-to-peer Running	Identifies the peer-to-peer application(s) running on the Windows endpoint.
Windows Personal Firewall	Identifies the personal firewall applications(s) installed on the Windows endpoint.
Windows Security Center Antivirus Status	Identifies the presence and status of antivirus applications installed on the Windows endpoint, as reported by the Windows Security Center.

To create policy conditions based on these properties, choose from the list of supported third-party applications. Forescout has analyzed the structure, footprint, and related processes of these applications, so the module detects them more accurately and inspects them more deeply. New releases of the module typically add supported applications or enhance support for known applications.

When you use these properties in policies rules, remember that these properties do not detect or inspect unsupported applications. For example:

- The **Windows Instant Messaging Installed** property detects supported messaging applications installed on endpoints. It does not detect other messaging applications that may be present on the Windows endpoint. When no *supported* applications are detected on the endpoint, the property resolves to the value *None* - but unsupported messaging applications may be present.
- Similarly, the **Windows Hard Drive Encryption State** property detects drives/partitions encrypted by supported applications. When no drives are encrypted by *supported* applications, the property resolves to the value *Not Encrypted* for each partition on the endpoint - but partitions may be encrypted by unsupported applications.

Use other host properties to create conditions that inspect endpoints and detect files or processes of unsupported applications.

Use the Windows Applications Module to Manage Third-Party Applications

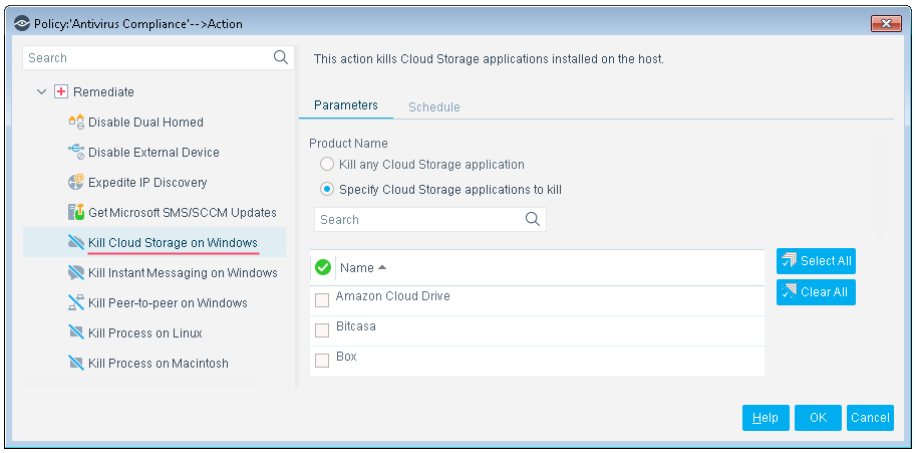
The module provides the following actions to remediate/manage third-party applications:

- Kill Cloud Storage on Windows
- Kill Instant Messaging on Windows
- Kill Peer-to-Peer on Windows
- Start Antivirus on Windows
- Update Antivirus on Windows

If you are using Flexx licensing, ensure that you have a valid Forescout eyeControl license to use these actions. Refer to the *Forescout Flexx Licensing How-to Guide* for more information about managing licenses.

Kill Cloud Storage on Windows

This action halts the specified cloud storage applications that are running on Windows endpoints.



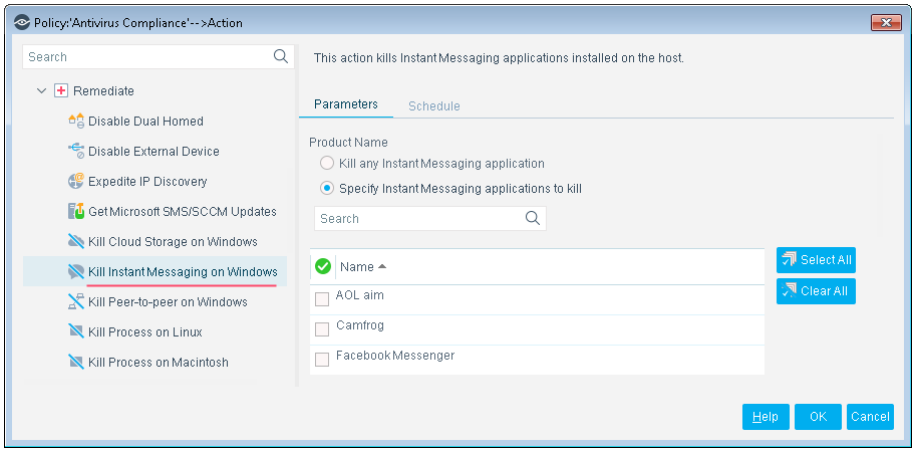
By default, the application is killed once a minute. If the endpoint has SecureConnector installed it is killed once a second.

To increase kill frequency, Forescout eyeSight can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS Inspection engine, select the **Automatically run SecureConnector on Windows endpoints to increase frequency of Kill Process, Kill IM and P2P actions** checkbox. See the *HPS Inspection Engine Configuration Guide* for details about SecureConnector configuration.

> *On endpoints managed using domain credentials, Forescout eyeControl runs an endpoint script to apply this action. See the* HPS Inspection Engine Configuration Guide *for details about scripts.*

Kill Instant Messaging on Windows

This action halts specific instant messaging applications that are running on Windows endpoints.



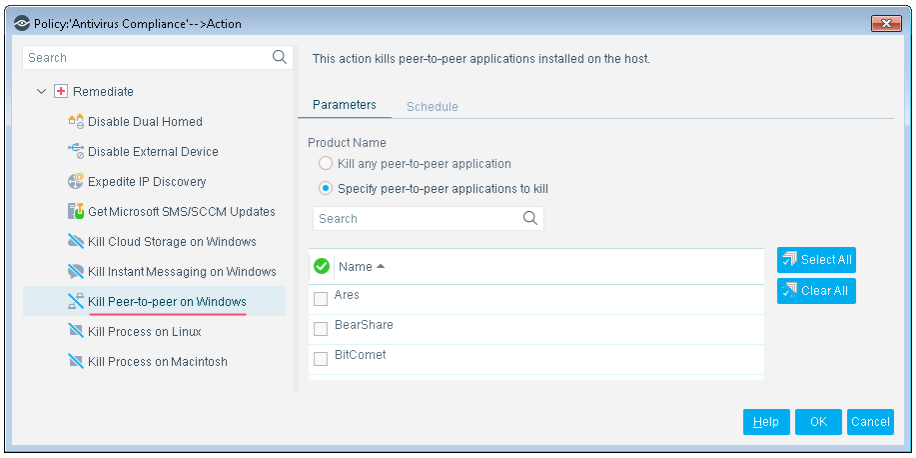
By default, the application is killed once a minute. If the endpoint has SecureConnector installed it is killed once a second.

To increase kill frequency, Forescout eyeSight can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS Inspection engine, select the **Automatically run SecureConnector on Windows endpoints to increase frequency of Kill Process, Kill IM and P2P actions** checkbox. See the *HPS Inspection Engine Configuration Guide* for details about SecureConnector configuration.

> *On endpoints managed using domain credentials, Forescout eyeControl runs an endpoint script to apply this action. See the* HPS Inspection Engine Configuration Guide *for details about scripts.*

Kill Peer-to-Peer on Windows

This action halts specific peer-to-peer applications installed at Windows endpoints.



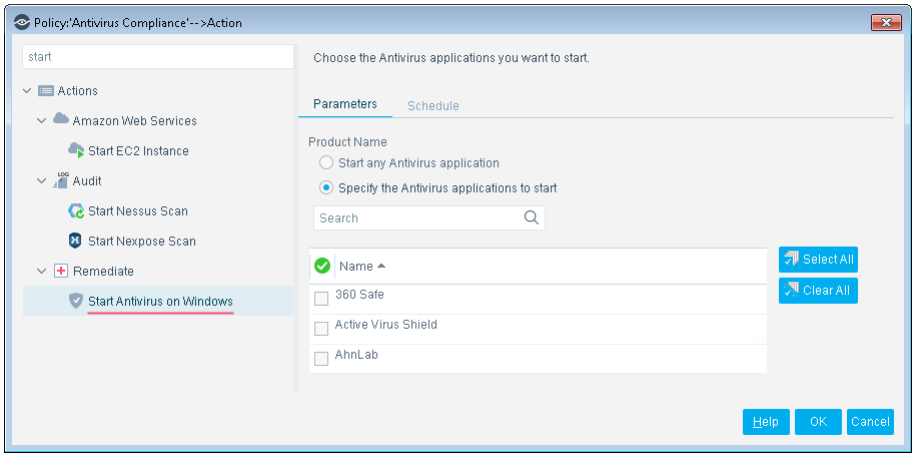
By default, the application is killed once a minute. If the endpoint has SecureConnector installed it is killed once a second.

To increase kill frequency, Forescout eyeSight can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS Inspection engine, select the **Automatically run SecureConnector on Windows endpoints to increase frequency of Kill Process, Kill IM and P2P actions** checkbox. See the *HPS Inspection Engine Configuration Guide* for details about SecureConnector configuration.

> *On endpoints managed using domain credentials, Forescout eyeControl runs an endpoint script to apply this action. See the* HPS Inspection Engine Configuration Guide *for details about scripts.*

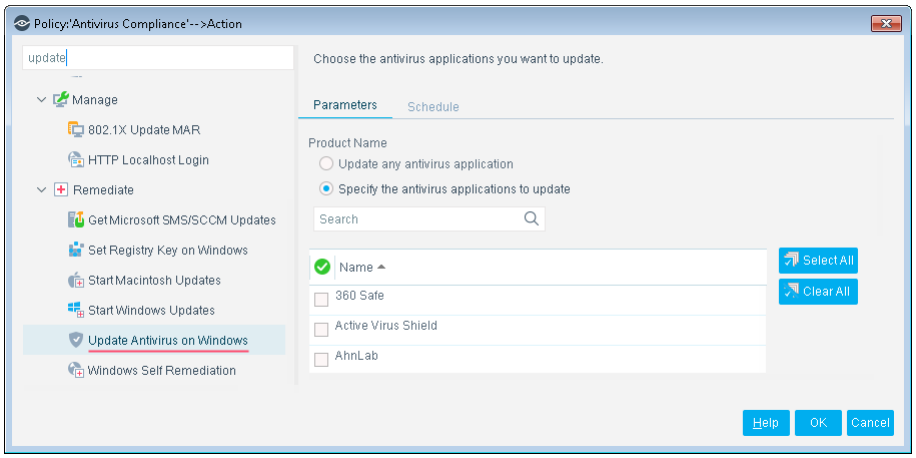
Start Antivirus on Windows

Launch antivirus applications that have been halted at Windows endpoints.



Update Antivirus on Windows

Update outdated antivirus applications at Windows endpoints.



You might need to select more than one application if you think several antivirus applications are installed on endpoints in the policy scope. If more than one antivirus application is installed on an endpoint, Forescout eyeControl updates only the first of the selected applications that it detects.

> *On endpoints managed using domain credentials, eyeControl runs an endpoint script to apply this action. See the* HPS Inspection Engine Configuration Guide *for details about scripts.*