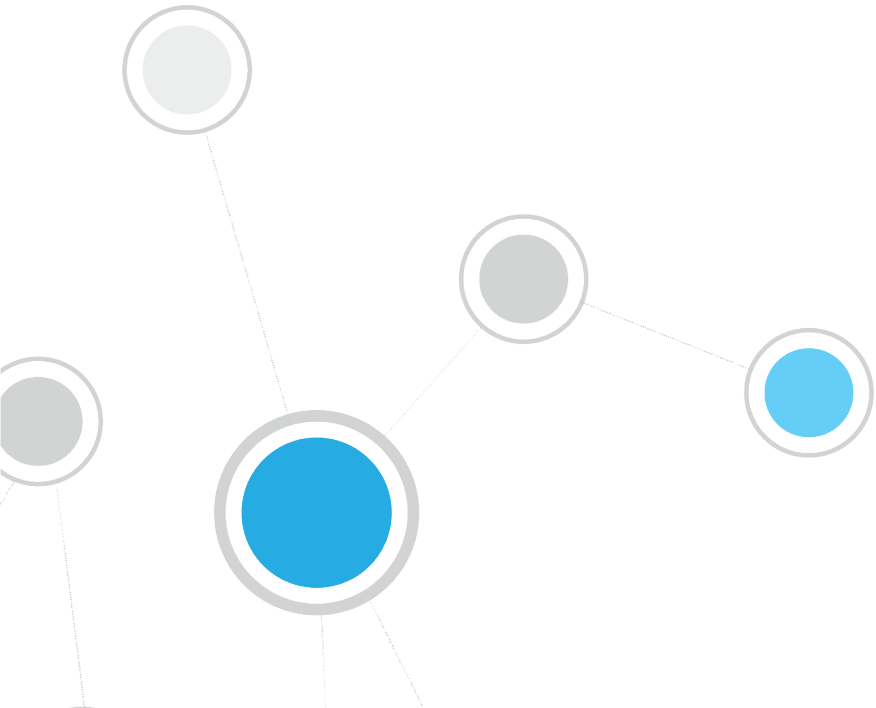
ForeScout

# CounterACT® HPS Applications Plugin

## Configuration Guide

**Version 2.1.4**



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# About the HPS Applications Plugin

The HPS Applications Plugin works with the HPS Inspection Engine Plugin 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 HPS Applications Plugin provides host properties and actions that let you detect and manage endpoints based on this information. Use CounterACT 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.

## Requirements

- CounterACT® version 7.0.0
- You must install Service Pack 2.0.1 or above to work with this release. It is recommended to install the latest service pack to take advantage of the most current CounterACT updates. Do not install Service Pack beta releases with this plugin.
- An active Maintenance Contract for CounterACT devices is required.
- You must upgrade/install the following plugins to work with the new functionality provided in this release:
  - HPS Inspection Engine Plugin version 10.2.2 or above
  - HPS NIC Vendor DB Plugin

  See Installation for the plugin installation sequence.

# Installation

**To install the plugin:**

1. Navigate to the Customer Support, Base Plugins page and download the plugin `.fpi` file.
2. Save the file to the machine where the CounterACT Console is installed.
3. Log into the CounterACT Console and select **Options** from the **Tools** menu.
4. Select **Plugins**. The Plugins pane opens.
5. Select **Install**. The Open dialog box opens.
6. Browse to and select the saved plugin `.fpi` file.
7. Select **Install**.
8. An installation or upgrade information dialog box and a license agreement dialog box will open. Accept the license agreement to proceed with the installation.
9. Once the installation is complete, select **Close**. The plugin is listed in the Plugins pane.

# Configuration

No configuration is required.

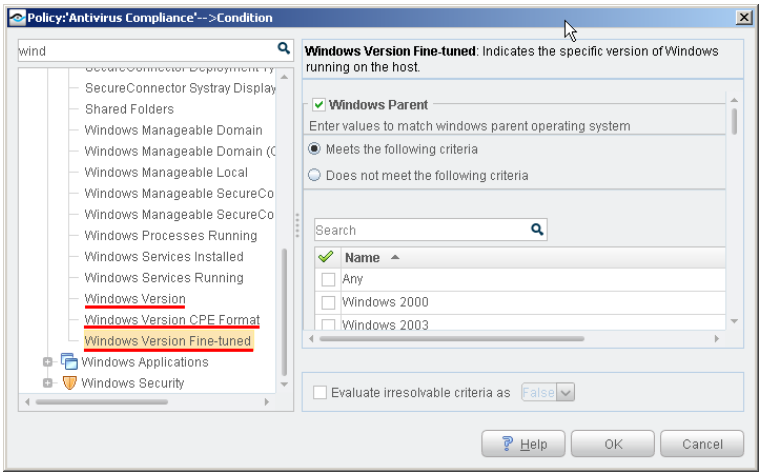
# Working with Endpoint Information

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

- Detect Windows Versions
- Detect Third-Party Applications
- Manage Third-Party Applications

# Detect Windows Versions

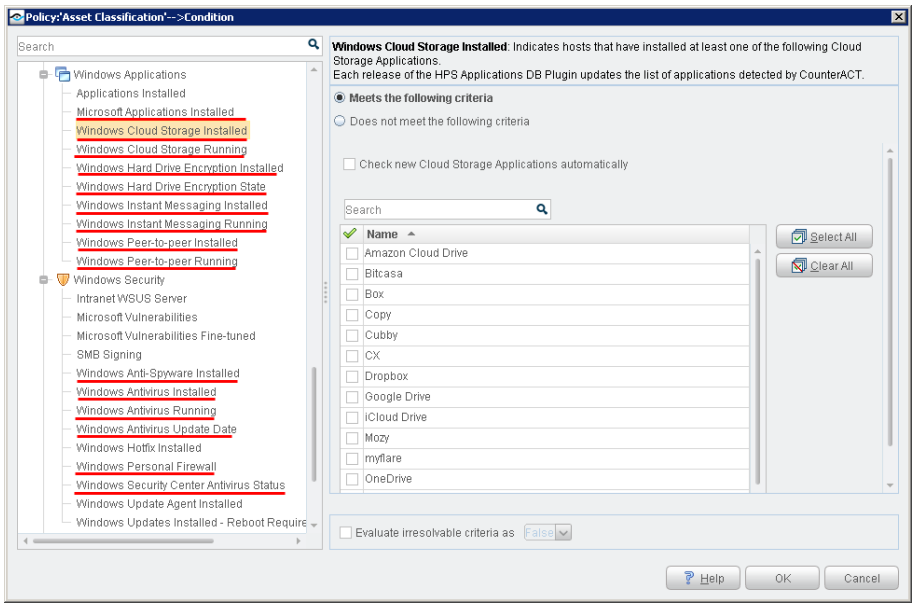
The plugin provides the following host properties to detect Windows applications.




| | |
|---|---|
| **Windows Version** | Indicates Windows versions detected on the endpoint. |
| **Windows Version CPE Format** | Indicates 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:<br>**`cpe:2.3:o:<vendor>:<product>:<version>:<update>:<edition>:<language>:<sw_edition>:<target_sw>:<target_hw>:<other>`**<br>Use CounterACT text matching tools to create policy conditions that identify logical parts or substrings of the CPE name string. |
| **Windows Version Fine-tuned** | Indicates Windows versions detected on the endpoint, based on detailed criteria such as Windows version, flavor, and service packs installed. |

# Detect Third-Party Applications

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




These host properties list the third-party applications that CounterACT detects. Each release of this plugin updates the applications that are listed, as CounterACT 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** | Indicates the anti-spyware applications(s) installed on the Windows endpoint. |
| **Windows Antivirus Installed** | Indicates the antivirus applications(s) installed on the Windows endpoint, as detected by CounterACT. |
| **Windows Antivirus Running** | Indicates the antivirus application(s) running on the Windows endpoint, as detected by CounterACT. |
| **Windows Antivirus Update Date** | Indicates the most recent date and time that antivirus application(s) were updated on the Windows endpoint, as detected by CounterACT. |
| **Windows Cloud Storage Application Installed** | Indicates the cloud storage applications(s) installed on the Windows endpoint. |
| **Windows Cloud Storage Application Running** | Indicates the cloud storage application(s) running on the Windows endpoint. |
| **Windows Hard Drive Encryption Installed** | Indicates whether supported encryption applications are installed on the Windows endpoint. |

| | |
|---|---|
| **Windows Hard Drive Encryption State** | Indicates whether one or more drives/partitions on the Windows endpoint have been encrypted using supported encryption applications. |
| **Windows Instant Messaging Installed** | Indicates the instant messaging applications(s) installed on the Windows endpoint. |
| **Windows Instant Messaging Running** | Indicates the instant messaging application(s) running on the Windows endpoint. |
| **Microsoft Applications Installed** | Indicates the Microsoft application(s) installed on the Windows endpoint. |
| **Windows Peer-to-peer Installed** | Indicates the peer-to-peer applications(s) installed on the Windows endpoint. |
| **Windows Peer-to-peer Running** | Indicates the peer-to-peer application(s) running on the Windows endpoint. |
| **Windows Personal Firewall** | Indicates the personal firewall applications(s) installed on the Windows endpoint. |
| **Windows Security Center Antivirus Status** | Indicates 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 plugin detects them more accurately and inspects them more deeply. New releases of the plugin typically add supported applications, or enhance support for known applications.

When you define policy rules to handle detected endpoints, remember that the scope of these properties is limited to supported applications: they do not detect or inspect unsupported applications.

For example:

- The **Windows Instant Messaging Installed** property detects endpoints on which at least one supported messaging application is installed. It does not detect other 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.

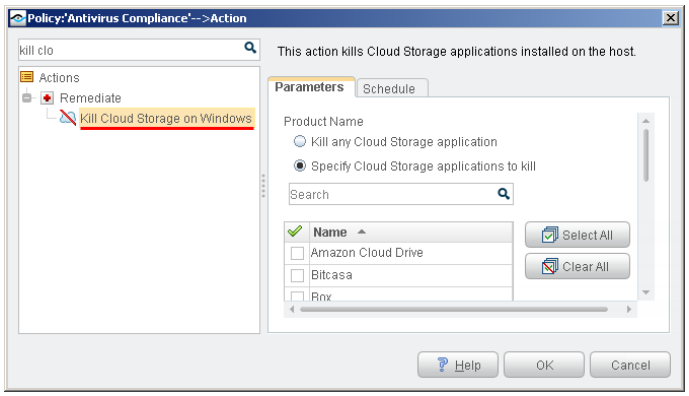
# Manage Third-Party Applications

The plugin 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

## Kill Cloud Storage on Windows

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



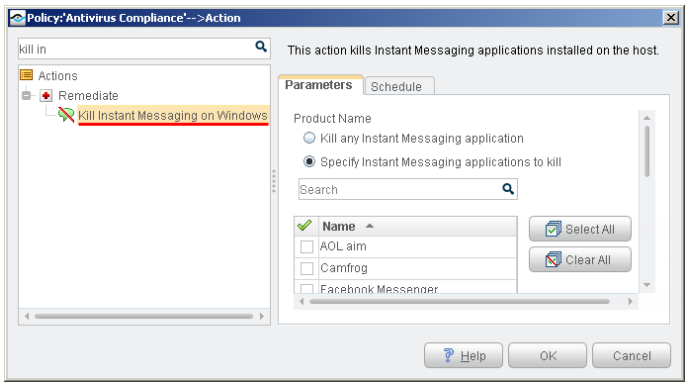

By default, the application is killed once a minute. If the endpoint has SecureConnector installed it is killed once a second.

To increase kill frequency, CounterACT can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS Inspection engine plugin, 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 Plugin Configuration Guide* for details about SecureConnector configuration.

*CounterACT uses a script on the endpoint to apply this action if the endpoint is managed via domain credentials **Manageable (Domain)**. See the* HPS Inspection Engine Plugin Configuration Guide *for details about scripts.*

## Kill Instant Messaging on Windows

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



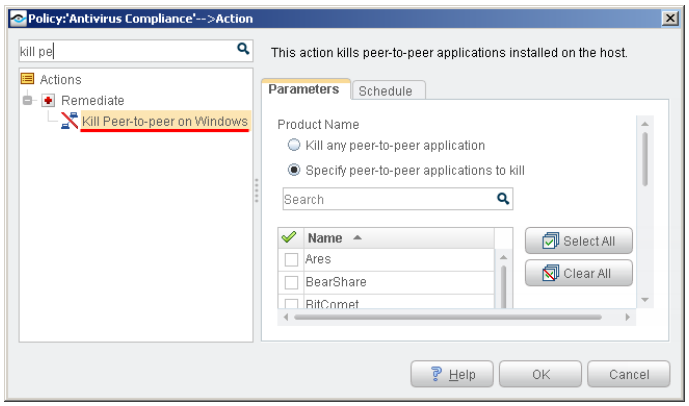

By default, the application is killed once a minute. If the endpoint has SecureConnector installed it is killed once a second.

To increase kill frequency, CounterACT can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS Inspection engine plugin, 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 Plugin Configuration Guide* for details about SecureConnector configuration.

> *CounterACT uses a script on the endpoint to apply this action if the endpoint is managed via domain credentials* ***Manageable (Domain)****. See the* HPS Inspection Engine Plugin 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.

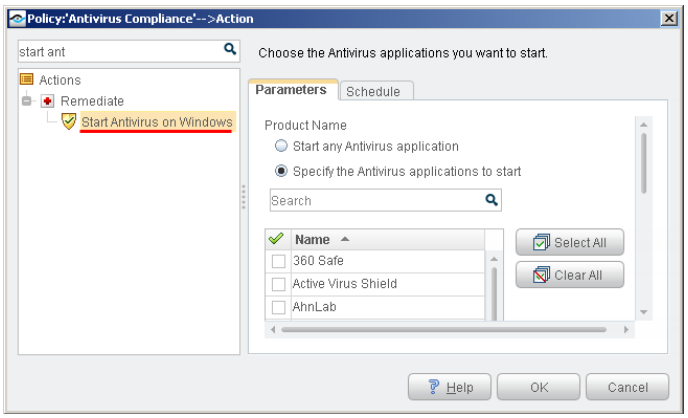
To increase kill frequency, CounterACT can automatically install SecureConnector on endpoints when this action is applied to them. When you configure the HPS

Inspection engine plugin, 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 Plugin Configuration Guide* for details about SecureConnector configuration.

*CounterACT runs a script on the endpoint to apply this action if the endpoint is managed via domain credentials* ***Manageable (Domain)****. See the* HPS Inspection Engine Plugin Configuration Guide *for details about scripts.*

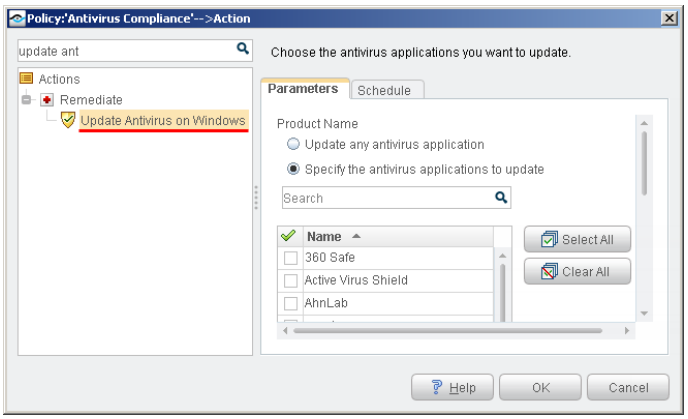
## Start Antivirus on Windows

Launch antivirus applications that have been halted at Windows endpoints.




## Update Antivirus on Windows

Update outdated antivirus applications at Windows endpoints.




You may 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, CounterACT updates only the first of the selected applications that it detects.

*CounterACT runs a script on the endpoint to apply this action if the endpoint is managed via domain credentials* **Manageable (Domain)****. Refer to the** HPS Inspection Engine Plugin Configuration Guide *for details about scripts.*

# Appendix A: Endpoint Applications Detected by CounterACT

The HPS Applications Plugin discovers applications of the following vendors on Windows endpoints, for the following types of software:



## Supported Windows Antivirus Vendors

| | | |
|---|---|---|
| Active Virus Shield | ESET | Microsoft |
| AhnLab | ESTsoft | New Technology Wave |
| AVG/Avast | F-Secure | Panda |
| Avira | G Data | PC Ziggy |
| BitDefender | Hauri | Qihoo 360 |
| CA E-trust | K7 Computing | Rising |
| ClamAV | Kaspersky | Sophos |
| Comodo | LANDesk | Symantec |
| eScan | Lightspeed | Trend Micro |
| | McAfee | Vipre |

## Supported Windows Peer-to-peer Vendors

| | | |
|---|---|---|
| Ares Galaxy | Foxy | Shareaza |
| BearShare (Gnutella) | Free Download Manager | Soulseek |
| Bitcomet | FrostWire | Spotify |
| BitLord | iMesh | Tixati |
| BitSpirit | Jubster | Transmission |
| BitTorrent | Kazaa | TrustyFiles |
| BitTyrant | LimeWire | Twister |
| Deluge | Miro | uTorrent |
| eMule | Morpheus | Vuze |
| ezPeer | MP3 Rocket | Warez |
| FolderShare | OneSwarm | Xunlei |

## Supported Windows Instant Messaging Vendors

AOL
Camfrog
Cisco
Facebook
Google
ICQ
Microsoft
Nate
Paltalk
QQ
Skype
Trillian
Yahoo

## Supported Windows Anti-Spyware Vendors

Anonymizer
BrightFort (Spyware Blaster/Spyware Doctor)
CounterSpy
Kephyr
Lavasoft
McAfee
Microsoft
Safer-Networking (Spybot)
Trend Micro
Webroot

## Supported Windows Personal Firewall Vendors

McAfee
Microsoft
Sophos
Sygate
Symantec
Zone Labs/Check Point

## Supported Hard Drive Encryption Applications

Microsoft BitLocker
Check Point Endpoint Full Disk Encryption
Symantec Endpoint Encryption

## Supported Cloud Storage Applications

Amazon Cloud Drive
Bitcasa
Box
Copy
Cubby
CX
Dropbox
Google Drive
iCloud Drive
Mozy
myflare
OneDrive
SugarSync

# Legal Notice



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