



Fore Scout

Core Extensions Module: Cloud Uploader

Configuration Guide

Version 1.2



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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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About the Cloud Uploader

The Cloud Uploader compresses data from Forescout devices and uses encrypted protocol to send the compressed data to Forescout cloud services where the data is processed and analyzed. The Cloud Uploader manages data upload for the following Forescout components:

- Forescout Research Program
- eyeSegment Module

How It Works


The Cloud Uploader manages and queues upload requests made by Forescout components.

The Cloud Uploader does not use focal Appliances. Requests must be made by a Forescout device that has access to the public cloud services.

Prerequisites

The Cloud Uploader requires the following:

- Forescout version 8.1.x or 8.2.x
- Cloud client ID, password, and authentication URL
 - For Forescout 8.2.x users, this information is automatically configured in the Cloud Uploader during the Customer Verification process. For more information, refer to the Forescout Administration Guide.
 - For eyeSegment users that have not completed the Customer Verification process, this information is provided by your Forescout sales representative so that you can manually configure the Cloud Uploader. See [Configure the Cloud Uploader](#).
- Connectivity, directly or via a proxy, from the Forescout devices that make upload requests to the public cloud service URL.

 *Data is uploaded to servers named *.forescout.com and *.forescoutcloud.net using HTTPS (port 443/TCP). Ensure that your devices' firewalls are configured to allow this.*

Install the Plugin

You can manually install the Cloud Uploader.


To manually install the component:

1. Acquire the `.fpi` file from your Forescout sales representative.

2. Save the file to the machine where the Console is installed.
3. Log into the Console and select **Options** from the **Tools** menu.
4. Select **Modules**, and then select **Install**. The Open dialog box opens.
5. Browse to and select the saved module `.fpi` file.
6. Select **Install**. The Installation screen opens.
7. Read the license agreement. If you agree, select **I agree to the License Agreement**, and then select **Install**.

 *The installation will begin immediately and cannot be interrupted or canceled.*

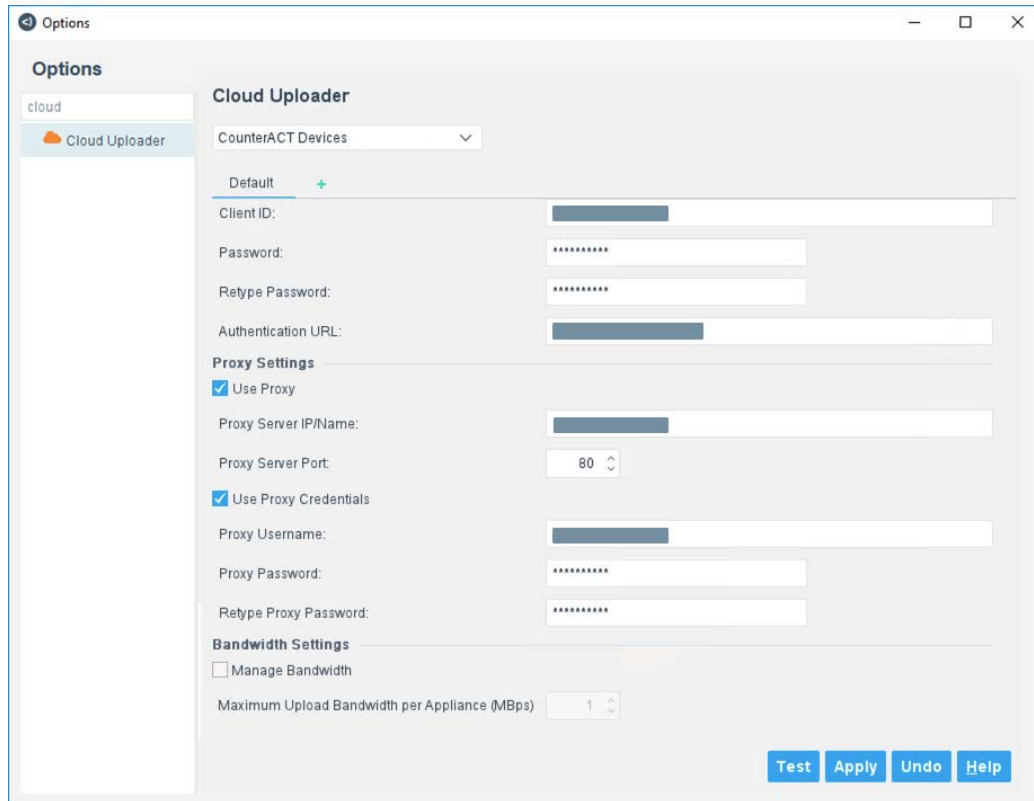
8. When the installation completes, select **Close** to close the window. The installed module is displayed in the Modules pane.

 *Some components are not automatically started following installation.*

Configure the Cloud Uploader

To configure the Cloud Uploader:

1. In the Console, select **Tools > Options > Cloud Uploader**.



The screenshot shows the 'Options' window with the 'Cloud Uploader' configuration. The 'CounterACT Devices' dropdown is set to 'Default'. The 'Client ID' and 'Authentication URL' fields are masked with blue bars. The 'Password' and 'Retype Password' fields are masked with asterisks. The 'Proxy Settings' section has 'Use Proxy' and 'Use Proxy Credentials' checked. The 'Proxy Server IP/Name' field is masked with a blue bar, and the 'Proxy Server Port' is set to 80. The 'Proxy Username' and 'Retype Proxy Password' fields are masked with blue bars and asterisks, respectively. The 'Bandwidth Settings' section has 'Manage Bandwidth' unchecked and 'Maximum Upload Bandwidth per Appliance (MBps)' set to 1. At the bottom right, there are buttons for 'Test', 'Apply', 'Undo', and 'Help'.

2. If you are running the eyeSegment Module and have not completed the Customer Verification process, enter the Client ID, Password, and Authentication URL provided by your Forescout sales representative.
3. If your Forescout device does not have a direct connection to the Internet, configure the **Proxy Settings**.
4. You can limit how much bandwidth the Cloud Uploader uses.
5. Select **Apply** to save the configuration.

Test the Configuration

Test the Cloud Uploader configuration to ensure that it can connect to the cloud.

To test the Cloud Uploader configuration:

1. In the Console, select **Tools > Options > Cloud Uploader**.
2. Select **Test**.
3. Ensure that the results indicate that authentication was successful.




Ensure That the Cloud Uploader Is Running

After installing the Cloud Uploader (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 Cloud Uploader 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 Cloud Uploader is stopped on all Forescout devices.
 -  - The Cloud Uploader is stopped on some Forescout devices.
 -  - The Cloud Uploader is running on all Forescout devices.
3. If the Cloud Uploader is not running, select **Start**, and then select the relevant Forescout devices.
 4. Select **OK**.

Core Extensions Module Information

Starting from Forescout version 8.2, the Cloud Uploader is installed with the Forescout Core Extensions Module.

The Forescout Core Extensions Module provides an extensive range of capabilities that enhance the core Forescout solution. These capabilities enhance detection,

classification, reporting, troubleshooting, and more. The following components are installed with the Core Extensions Module:

Advanced Tools Plugin	Device Data Publisher	IoT Posture Assessment Engine
CEF Plugin	DNS Client Plugin	
Cloud Uploader	DNS Enforce Plugin	NBT Scanner Plugin
DHCP Classifier Plugin	DNS Query Extension Plugin	Packet Engine
Dashboards Plugin	External Classifier Plugin	Reports Plugin
Data Publisher	Flow Analyzer Plugin	Syslog Plugin
Data Receiver	Flow Collector	Technical Support Plugin
Device Classification Engine	IOC Scanner Plugin	Web Client Plugin

The Core Extensions Module is a Forescout Base Module. Base Modules are delivered with each Forescout release. Upgrading the Forescout version or performing a clean installation installs this module automatically.

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 [Technical Documentation 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 Support Portal](#)

 *Software downloads are also available from these portals.*

To identify your licensing mode:

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

Technical Documentation Page

The Forescout Technical Documentation page provides a link to the searchable, web-based [Documentation Portal](#), as well as links to a wide range of Forescout technical documentation in PDF format.

To access the Technical Documentation page:

- Go to <https://www.Forescout.com/company/technical-documentation/>

Product Updates Portal

The Product Updates Portal provides product and documentation downloads for Forescout platform releases, Base Modules, Content Modules, and eyeExtend modules. The portal also provides 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 Support Portal

The Downloads page on the Forescout Customer Support Portal provides product and documentation downloads for Forescout platform releases, Base Modules, Content Modules, and eyeExtend modules. Software and related documentation only appear on the Downloads page if you have a license entitlement for the software.

To access documentation on the Customer Support 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

You can access individual documents, as well as the [Documentation Portal](#), directly from the Console.

Console Help Buttons

- Use context sensitive *Help* buttons to quickly access information about the tasks and topics you are working with in the Console.

Forescout Administration Guide

- Select **Administration Guide** from the **Help** menu.

Plugin Help Files

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

Content Module, eyeSegment Module, and eyeExtend Module Help Files

- After the component is installed, select **Tools** > **Options** > **Modules**, select the component, and then select **Help**.

Documentation Portal

- Select **Documentation Portal** from the **Help** menu.