

About the eyeSegment Module


Forescout eyeSegment accelerates the design, planning and deployment of dynamic network segmentation across the extended enterprise. It simplifies the process of creating context-aware segmentation policies and allows visualization and simulation of policies prior to enforcement for proactive fine-tuning and validation.

eyeSegment extends the capabilities of the Forescout platform to address multidomain, multi-use-case segmentation challenges. It enables organizations to embrace Zero Trust principles for all IP-connected systems, including Internet of Things (IoT) devices and operational technologies (OT). The result is a rapid acceleration of segmentation projects across the extended enterprise to reduce the attack surface, limit lateral propagation and blast radius, and mitigate regulatory, compliance and business risk.

eyeSegment is a licensed Forescout product.

Forescout Requirements

This section describes the requirements for working with the eyeSegment Module.

- You can run the eyeSegment module on any of the following Forescout platform versions:
 - 8.1
 - 8.1.1
 - 8.1.2
 - 8.1.3.1
 - 8.2
-  *We recommend using the latest Forescout platform version.*
- eyeSegment requires a valid *Forescout eyeSegment* license, in either *Per- Appliance* or *Flexx* licensing mode.
 - For more information about licenses, refer to the *Forescout Administration Guide* or the *Flexx License How-to Guide*. See [Additional Forescout Documentation](#) for information about how to access these guides.
- Since eyeSegment is a SaaS product, make sure that your Enterprise Manager and Appliances have access to the Forescout cloud.
- eyeSegment requires a Core Extensions Module, as follows:
 - Web Client configured and running (see table below) for handling user authentication to the eyeSegment application:
 - eyeSight traffic sources configured and running.

- eyeSegment requires a Cloud Uploader, as follows :
 - When using a Forescout platform version below 8.2: Use the credentials provided by your Forescout sales representative to configure the component.
 - When using Forescout platform version 8.2: Either complete the Customer Verification process during login, or use the credentials provided by your Forescout sales representative to configure the component.
 - Since eyeSegment is a SaaS product, make sure that your Enterprise Manager and Appliances have access to the Forescout cloud.
 - Run the Cloud Uploader configuration test from the Console to verify that the Cloud Uploader has internet connectivity.

The compatibility matrix shown below maps each supported Forescout platform version to the recommended component versions.

Platform Version	Recommended Component Versions							
					**	Known issues	*	N / S
	Cloud Uploader	Web Client	Flow Collector	Packet Engine				
8.1.0 - Build 1299	1.1.0 - 11000013 (bundled)	1.0.0.1013 -10001013 (hotfix)	1.0.0 - 10000111 (bundled)	8.1.0 - 81000202 (bundled)	A, B, C, D, E, F, G, H		1, 2, 3, 4,5	
8.1.1 - build 61	1.1.0 - 11000013 (bundled)	1.1.2 - 11020007 (upgrade needed)	1.0.0 - 10000111 (bundled)	8.1.1 - 81010079 (bundled)	A, B, C, D, E, F, G, H		1, 2, 3, 4, 5	
8.1.2 - Build 64	1.1.0 - 11000013 (bundled)	1.1.2 - 11020007 (upgrade needed)	1.0.0 - 10000111 (bundled)	8.1.2 - 81020012 (bundled)	A, B, C, D, E, F, G, H		1, 2, 3, 4, 5	
8.1.3 - Build - 57	1.1.0 - 11000013 (bundled)	1.1.2 - 11020007 (bundled)	1.0.0 - 10000111 (bundled)	8.1.3 - 81030022 (bundled)	A, B, E, F, G, H		1, 2, 3, 4, 5	
8.1.3.1 - Build 158 (hotfix)	1.1.0 - 11000013 (bundled)	1.1.2 - 11020007 (bundled)	1.0.1 - 10010007 (hotfix)	8.1.3 - 81030022 (bundled)	B, F, G, H		3, 4, 5	
8.2.0	1.1.0 - 11000013 (bundled)	1.2.0-12000439 (bundled)	1.1.0 - 11000083 (bundled)	8.2 82000510 (bundled)	F, G		3, 4, 5	

Platform Version	Recommended Component Versions					
			**	Known issues	*	N / S
Legend	<p>*Not Supported:</p> <ul style="list-style-type: none">1. RBAC (Role-Based Access Control) user permissions are not supported.2. NetFlow v5 protocol is not supported, with or without Flexible NetFlow technology.3. Certification Compliance Mode.4. Devices that do not have IPv4 addresses.5. eyeSegment integration with the NetFlow plugin (deprecated and replaced by the Flow collector). <p>**Known issues:</p> <ul style="list-style-type: none">a. Flow collector: If the flow reports admission events, the Flow Collector might report ghost IPs due to scanners on the network. This is relevant if checkboxes in flow configuration are selected, or if a session policy containing NetFlow applies. This issue was fixed in 8.1.3.1.b. If eyeSegment is installed together with the Silent Defense (OTSM) component, the Flow Collector component causes an Appliance to crash.c. The Host property is sent to all Appliances instead of the specific Appliance.d. It may take several minutes to save policies.e. Packet Engine sends the traffic sources as destinations, and the traffic destinations as sources.f. eyeSegment does not display traffic generated by eyeSight Appliances over UDP, for port numbers above 20000.g. After the installation or upgrade of the eyeSegment Module, the Packet Engine component automatically restarts.h. If both the NetFlow plugin (deprecated) and the Flow Collector plugin are installed: Stop and delete the old NetFlow plugin, so that you only use the Flow Collector plugin.					


What's New in Version 2.3


- Option to ignore traffic that is already well managed so that the matrix shows only traffic of interest
- User management: Users must have either View or Update permissions to use the application
- One-click focus on a single matrix cell to view its traffic details, a matrix of its sub-groups, or its policy rules
- One-click drilldown of a matrix row or column to its sub-groups
- Option to export traffic details to a CSV file


Install the eyeSegment Module

To install the eyeSegment module:

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.

 *Note that the End User License Agreement (EULA) displayed in this procedure is not appropriate for this module.*
7. Select **I agree to the License Agreement**, and then select **Install**.

 *The installation will begin immediately after selecting Install, 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.*
9. After this installation is complete, access and read the appropriate EULA from the Console. If you do not agree to the terms, uninstall the module.

Prevent Data Upload for Specific Devices


By default, eyeSegment processes all the traffic data it receives from your traffic sensors and uploads it to the cloud using the Cloud Uploader. In the eyeSegment web application, you can instruct Forescout to ignore traffic data to and from specific devices. Traffic data for those devices will not be uploaded in the future, but the data that was already uploaded remains in the cloud.

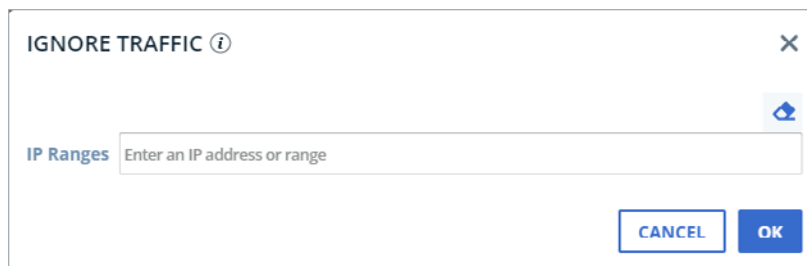
To ensure that no traffic data for specific devices is ever uploaded, stop the upload of all data to the cloud *before* you install eyeSegment and before any traffic data can be uploaded. After installing eyeSegment, instruct it to ignore traffic for the specific devices. Then restart the data upload to the cloud.

To ensure that no traffic data for specific devices is ever uploaded:

1. Before installing the eyeSegment Module, log into the Console and select **Tools > Options > Modules**.
2. Select **Cloud Uploader**, and select the **Stop** button.
3. [Install the eyeSegment Module](#)
4. [Open the eyeSegment Application](#)
5. Select the **Define Matrix** button, and then select **Save**. An empty matrix is displayed.

 *You will configure your matrix after you restart the Cloud Uploader.*

6. On the eyeSegment Matrix page, select the menu icon , and select **Ignore Traffic**.



7. Enter an IPv4 address or range for which both incoming and outgoing traffic will be ignored, and press **Enter**. You can enter multiple IPv4 addresses and ranges.

 *Do not enter a subnet mask.*

8. After you enter all the devices to be ignored, select **OK**.
9. At the Console, select **Tools > Options > Modules**.
10. Select **Cloud Uploader**, and select the **Start** button. Detected traffic data is uploaded for all devices that are not in the *Ignore Traffic* IP ranges.




Ensure That the eyeSegment Module Is Running

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

Open the eyeSegment Application

If you have a valid *Forescout eyeSegment* license for the eyeSegment Module, and the module is installed, you can open the eyeSegment application from a web browser or directly from the Console.


To access the eyeSegment application:

- Do one of the following:
 - Browse to the following URL to log in from a web browser:
https://<Device_IP>/seg
where <Device_IP> is the IP address of the Enterprise Manager or standalone Appliance.
 - Select the **Ellipsis icon**  from the Console toolbar, and then select **Segmentation** from the dropdown menu.

For information about using the eyeSegment application, see the *eyeSegment Application How-to Guide*.

These guides are available from the Forescout Resources page
<https://www.forescout.com/company/resources/>

eyeSegment Performance Specifications

 The data listed here does not reflect the underlying capacities of Forescout product Flow or SPAN functionalities

The table below summarizes capacity in terms of *Flows handled per second* (average number of traffic flows that eyeSegment processed per second, during the past two minutes), for specific Appliance models:


# of Flows	Forescout 5120	Forescout 5140	Forescout 5160
SPAN	N/A	52000 flows / sec	52000 flows / sec
Flow	N/A	79800 flows / sec	79800 flows / sec
Flow and SPAN	N/A	115800 flows / sec	115800 flows / sec

Accessing Documentation and Licensing Information from the Console

After installing the eyeSegment module, access the *eyeSegment Module Configuration Guide* for detailed information about how to configure this module.

To access the configuration guide:

- From the Console, select **Tools > Options > Modules**, select **eyeSegment**, and then select **About**.

 The guide is also available from the *Forescout Technical Documentation Page*. See [Additional Forescout Documentation](#) for information on how to access this guide.

To access the EULA (End User Licensing Agreement)

- From the Console, select **Tools > Options > Modules**, select **eyeSegment** module, and then select **About**.
- When the *Forescout Console* dialog box opens, select the **License Agreement** link, and read the terms of the agreement. If you do not agree to these terms, uninstall the module.

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 products. 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 products. 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 Product 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.

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2020-06-17 13:18