



Fore Scout

eyeSegment Module

Release Notes

Version 3.0



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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 eyeSegment

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. Use eyeSegment to automatically map traffic flows to a logical taxonomy of users, applications, services and devices across the entire enterprise network without deploying agents.

eyeSegment is a licensed Forescout product.

Fixed Issues

This section describes the fixed issue in this version.

- Traffic to Forescout Appliances that used a port number above 20000 over UDP should not have been displayed in the matrix. That traffic is no longer displayed.

What's New in This Version

This section describes the new features in version 3.0.

- You can now integrate eyeSegment with SilentDefense for:
 - better visibility of your OT devices and their traffic, with no additional device or traffic configuration
 - accurate protocols based on Deep-Packet Inspection (DPI)
- You can now integrate eyeSegment with Medigate for:
 - better visibility of your medical devices and their traffic, with no additional device or traffic configuration
 - accurate protocols based on Deep-Packet Inspection (DPI)
- You can now integrate eyeSegment with AWS Virtual Private Cloud (VPC). The AWS Plugin periodically pulls the flow logs from AWS VPCs, and extracts and passes the flow session data to eyeSegment for better visibility of your AWS devices and their traffic.

 **Important:** When integrating eyeSegment with AWS VPC, it is recommended to run Appliances in the cloud, and not on-premises, for cloud endpoints and for flows that are part of the eyeSegment deployment. The cost of pulling flow log data from AWS to eyeSegment is likely to be higher for on-premises Appliances than for Appliances in the cloud. To understand what the cost might be, review the aggregate size of your daily VPC flow logs across all your accounts, and then put that data into the AWS calculator.

- 📄 *This does not apply to Forescout deployments that do not require flow logs, such as for eyeSight visibility only.*
- The filter feature has been renamed *Find & Filter* and has been improved.
 - In addition to the previously available criteria, you can now search and filter by:
 - › Date range
 - › Forescout eyeSight segment
 - › IP address
 - › Inspected protocols dynamically learned by SilentDefense and Medigate based on what they detect in the environment
 - Each user can now create and maintain their own *Find & Filter* criteria for the shared matrix.
 - With the *Find & Filter* window still open, you can apply the filter criteria to see their effect on the matrix.
 - The active *Find & Filter* criteria are now displayed as tags below the matrix.
 - The active *Find & Filter* criteria are now displayed above the *Traffic Details* tables.
- The export feature has been improved. From each *Traffic by Service* page:
 - You can now export as many as 100,000 records to a CSV file.
 - One record is exported for each IP address pair for which traffic was detected.
 - Exported files now include the source and destination IP addresses of each traffic pattern.
 - The file name now includes the Source and Destination zone names of the exported traffic details.
 - If the *Traffic by Service* page indicates that only policy rule violations are shown, a new header row in the exported file says **Traffic Violations Only**. Otherwise, the row says **Baseline Traffic**.
 - If a filter was applied, a header row in the exported file lists the filter criteria. (Available in version 2.3 also.)
- The delete feature has been improved. There is no longer a limit to the number of delete requests you can submit within a set time period.
- In addition to showing the top 1,000 entries for all ports, The *Traffic by Service* table is now also grouped into port ranges of 1,000 so that you can see the top 1,000 entries for each range.
- You can now easily run a quick connectivity test:
 - Run a one-click Health Check from the eyeSegment application menu.
 - Test the eyeSegment Module in the Forescout Console.
- In addition to the previously available eyeSegment properties, there are two new properties that you can use in Forescout policies:

- The *Server Groups to Which Traffic Was Denied* property lists the names of groups containing members to which an eyeSegment policy rule denied traffic from this client.
 - The *Client Groups from Which Traffic Was Denied* property lists the names of groups containing members from which an eyeSegment policy rule denied traffic to this server.
-  For more information about these properties, refer to the eyeSegment Application How-to Guide.
- The graphic user interface has been improved. For example:
 - Matrices are dynamically resized for optimal fit to the screen size.
 - A progress bar is shown during the delete process.
 - Policy visualization icons are now displayed in focused matrices.
 - When drilling down into a matrix showing Traffic Violations, each page indicates that only violations are shown.

Upgrade Considerations

All traffic data is stored in the Forescout cloud. The data is not affected by eyeSegment Module upgrades or rollbacks.

When you upgrade from an earlier version, the application retains the same matrix zones and eyeSegment policy rules that you already set, but not your filter settings. To easily recreate your filter settings, we recommend saving them before upgrading to this version.

To export traffic details from a page that shows group levels, in version 3.0 you must first drill down to the *Traffic by Service* page.

Rollback Considerations

eyeSegment version 3.0 cannot be rolled back to an earlier version.

If you uninstall version 3.0 to reinstall an earlier version, your eyeSegment application configuration will be lost. To easily recreate your configuration should you need to uninstall version 3.0, we recommend saving the following information before upgrading to this version:

- the names of your selected Source and Destination zones
- your filter criteria
- your eyeSegment policy rules

Even if you uninstall eyeSegment, all traffic data that you have not actively deleted remains available.

Forescout Platform Dependencies & Known Issues

We recommend using the latest Forescout platform version.

The following table maps each supported Forescout platform version to the recommended Forescout plugin versions.

Platform Version	Recommended Component Versions							*Known Issues & Limitations
	Required Plugins		Traffic Sensor Plugins					
	Web Client	Cloud Uploader	Flow Collector	Packet Engine	Medigate Module	OTSM	AWS Plugin	
8.1.0	1.0.0.1013	1.1	1.0	8.1.0	N/A	N/A	N/A	a, b, c, d, e, f, g
8.1.1	1.1.2	1.1	1.0	8.1.1	N/A	N/A	N/A	a, b, c, d, e, f, g
8.1.2	1.1.2	1.1	1.0	8.1.2	N/A	N/A	N/A	a, b, c, d, e, f, g
8.1.3	1.1.2	1.1	1.0	8.1.3	N/A	N/A	N/A	a, b, c, d
8.1.3.1	1.1.2	1.1	1.0.1	8.1.3	N/A	N/A	N/A	a
8.1.4	1.1.3	1.1	1.0.2	8.1.4	1.1	N/A	N/A	a, h
8.2	1.2	1.1	1.1	8.2	N/A	N/A	N/A	a
8.2.0.2	1.2	1.1	1.1	8.2.0.2	1.1	1.3.0	2.2.2	a, i, j
8.2.1	1.2	1.1	1.1	8.2.1	1.1	1.3.1	2.2.2	a, i, j

*Known Issues and Limitations:

- a. The following known issues and limitations apply to all Forescout platform versions:
 - > Certification Compliance mode is not supported.
 - > Only devices that have IPv4 addresses are supported.
 - > Flows detected by the deprecated NetFlow Plugin are not supported.
 - > Random high port (above 20k) UDP traffic to or from Forescout Appliances is usually a result of a specific HPS Plugin configuration for open port scans. eyeSegment does not display this traffic.
 - > After the installation or upgrade of the eyeSegment Module, the Packet Engine automatically restarts.
 - > If the Traffic by Service traffic pattern has more than 100,000 entries, the data cannot be exported. To reduce the number of records to be exported, apply *Find & Filter* criteria that narrow the scope to specific traffic of interest.
 - > All time fields in the graphic user interface use the Appliance Console's time zone preference and are translated to UTC internally.

- › Your *Find & Filter* date range is compared to the UTC date on which the cloud received the traffic data. If the upload was delayed, such as by an internet problem, the date the cloud received the data might be later than when the traffic actually occurred.
- › Dates in *Find & Filter* criteria are exported as UTC times.
- › Protocols in *Find & Filter* criteria are exported as protocolId decimal values. For more information, refer to <https://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml>.
- › Segments in *Find & Filter* criteria are exported as a numeric codes and not as alphanumeric names.
- › If more than 5,000 top-level segments are defined in your Forescout Console, your eyeSegment application browser might lock for several minutes after you enter any character into the *Find & Filter* window's Source or Destination field.
- › Focused matrices might not display properly in Firefox.
- › If you're using a proxy server, upgrade to Cloud Uploader version 1.2.
- b.** RBAC (Role-Based Access Control) user permissions are not supported.
- c.** NetFlow v5 protocol (with or without Flexible NetFlow technology) is not supported.
- d.** The Flow Collector might consume ghost eyeSight licenses and report incorrect devices. Should this happen, contact eyeSegment support.
- e.** The Packet Engine reports the traffic sources as servers, and the traffic destinations as clients. In these versions, traffic data reported by the Packet Engine will appear in the matrix the reverse of its actual direction.
- f.** When the *Notification* feature is activated, the endpoint property is sent to all Appliances, instead of only the Appliance that manages the specific endpoint. Sending many properties to many Appliances might slow other Appliance functions.
- g.** It might take several minutes to save the eyeSegment policy.
- h.** Speak to your Forescout sales representative if you need to integrate with components that this version does not normally support.
- i.** The following known issues and limitations apply when using AWS VPC as a traffic sensor:
 - › Flow sessions from AWS VPCs cannot be pulled more frequently than once every 10 minutes. The actual interval is set in the Forescout AWS Plugin configuration.
 - › It is recommended to run Appliances in the cloud, and not on-premises, for cloud endpoints and for flows that are part of the eyeSegment deployment. The cost of pulling flow log data from AWS to eyeSegment is likely to be higher for on-premises Appliances than for Appliances in the cloud. To understand what the cost might be, review the aggregate size of your daily VPC flow logs across all your accounts, and then put that data into the AWS calculator.
- j.** When using the Operational Technology Module (OTSM):
 - › The OT Monitoring Sensor version must be 4.1.2.

- › Configure the sensors to share NetFlow data with eyeSegment. Refer to the Operational Technology Module *Release Notes* or *Configuration Guide* for more information.

eyeSegment Performance Specifications

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

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

eyeSegment Documentation

For information on configuring your environment for eyeSegment, refer to the *eyeSegment Module Configuration Guide*. You can access this guide from the eyeSegment Module's **Help** button in the Console.

For information about using the eyeSegment application to view and leverage dynamic zone-to-zone relationship mapping data, refer to the *eyeSegment Application How-to Guide*. You can access this guide from the eyeSegment application menu  **Help** option.

These documents are also available on the Forescout Resources page. See [Additional Forescout Documentation](#).

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 from 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 Forescout 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.