

About the Open Integration Module

The Forescout Open Integration Module provides network connectivity, visibility, and control through the following components:

- Data Exchange
- Web API

The Open Integration Module is a Forescout Extended Module.

The eyeExtend products listed above are installed and rolled back with the Open Integration Module.

Refer to the *Forescout Open Integration Module Overview Guide* for more module information, such as module requirements, upgrade, and rollback instructions.

Refer to the relevant configuration guides for detailed information about how to work with and configure the eyeExtend products included with this module. See [Additional Forescout Documentation](#) for information on how to access these guides, and other documentation.

Forescout Requirements

Forescout version 8.1.2.

Components described in this document may have additional requirements and dependencies.

About This Release

This section describes updates and important information related to the components delivered in this version of the Open Integration Module. This release also includes enhancements and fixes provided in previous versions. See [Previous Module Versions](#).

The following table identifies the components that are updated in this module version:

Component	Requirements	New Features / Enhancements	Fixed Issues	Known Issues	Upgrade Considerations
Data Exchange 3.7		✓	✓		
Web API 1.4.1			✓		

Only components providing new features/enhancements are released with an updated configuration guide (help) that matches the updated version number of the component.

Data Exchange 3.7

This section describes important information about the Open Integration Module: Data Exchange version 3.7.

Requirements

- Forescout Authentication Module version 1.1 with the User Directory Plugin running.
- An Open Integration Module license. See [Forescout eyeExtend \(Extended Module\) Licensing Requirements](#) for details.
- Permission for the Forescout platform to connect to external servers.

Feature Enhancements

This section describes the new features and/or feature enhancements for this release.

Username and Password as Tags

Username and passwords can be configured as tags to use within DEX. These tags can be used in external web service requests, URLs, and actions. Multiple usernames and passwords can be added as tags.

The benefits of using tags are:

- Passwords do not appear as clear text in the DEX configuration.
- Usernames and passwords do not need to be entered multiple times in Web Service Requests. Define them once and then use the tags multiple times.

MAC Address Tag Formats

Three new MAC address tag formats have been added as follows:

- {eds_mac_lc_fmt_colon} resolves to the MAC address in lowercase colon-separated format.
- {eds_mac_lc_fmt_dash} resolves to the MAC address in lowercase dash-separated format.
- {eds_mac} resolves to the MAC address in uppercase.

Fixed Issues

This section identifies the fixed issues for this version of Data Exchange.

- [Merged Hotfixes](#)

Merged Hotfixes

The following, previously released hotfixes are merged into this version of Data Exchange:

Hotfix	Fix Content
3.2.1.3	Refer to Hotfix 3.2.1.3 Release Notes
3.2.2.1	Refer to Hotfix 3.2.2.1 Release Notes
3.5.0.1	Refer to Hotfix 3.5.0.1 Release Notes

Web API 1.4.1

This section describes important information about the Open Integration Module: Web API version 1.4.1.

Requirements

- An Open Integration Module license. See [ForeScout eyeExtend \(Extended Module\) Licensing Requirements](#) for details.
- By default, the web service receives inbound requests to Enterprise Manager or a standalone Appliance using HTTPS on port 443/TCP.

Feature Enhancements

There are no feature enhancements provided in this version.

Fixed Issues

This section identifies the fixed issues for this version of Web API.

- [Merged Hotfixes](#)

Merged Hotfixes

The following, previously released hotfixes are merged into this version of Web API:

Hotfix	Fix Content
1.2.2.1	Refer to Hotfix 1.2.2.1 Release Notes
1.2.2.2	Refer to Hotfix 1.2.2.2 Release Notes
1.3.0.1	Refer to Hotfix 1.3.0.1 Release Notes

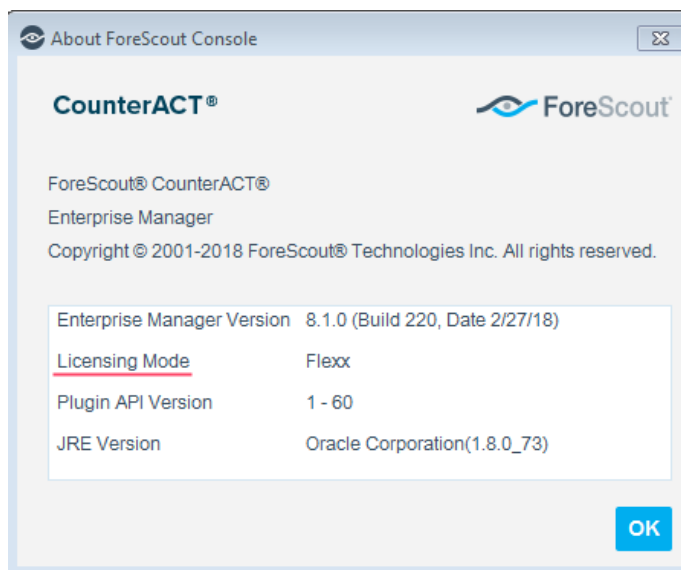
ForeScout eyeExtend (Extended Module) Licensing Requirements

This ForeScout eyeExtend product requires a valid license. Licensing requirements differ based on which licensing mode your deployment is operating in:

- [Per-Appliance Licensing Mode](#)
- [Flexx Licensing Mode](#)

To identify your licensing mode:

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



Per-Appliance Licensing Mode

When installing the module you are provided with a 90-day demo license.

If you would like to continue exploring the module before purchasing a permanent license, you can request a demo license extension. Consult with your ForeScout representative before requesting the extension. You will receive email notification and alerts at the Console before the demo period expires.

To continue working with the module after the demo period expires, you must purchase a permanent module license.

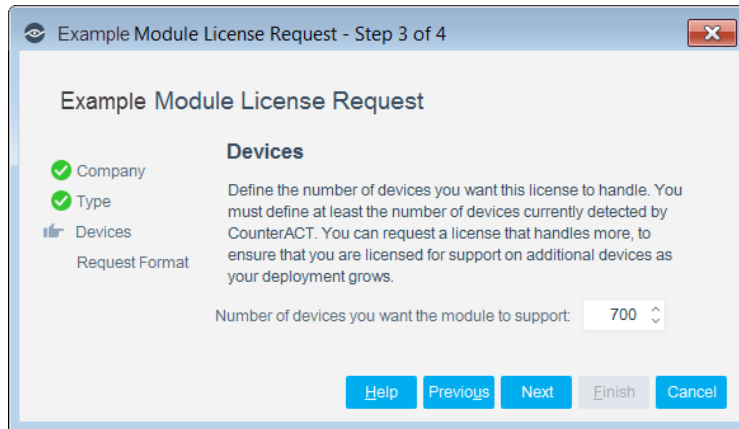
Demo license extension requests and permanent license requests are made from the Console.

- *This module may have been previously packaged as a component of an Integration Module which contained additional modules. If you already installed this module as a component of an Integration Module, you can continue to use it as such. Refer to the section about module packaging in the ForeScout Administration Guide for more information.*

Requesting a License

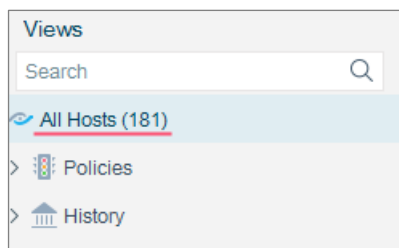
When requesting a demo license extension or permanent license, you are asked to provide the device *capacity* requirements. This is the number of devices that you want this license to handle. You must define at least the number of devices currently detected by the Forescout platform. You can request a license that handles more to ensure that you are licensed for support on additional devices as your deployment grows.

Enter this number in the **Devices** pane of the Module License Request wizard, in the Console Modules pane.



To view the number of currently detected devices:

1. Select the **Home** tab.
2. In the Views pane, select the **All Hosts** folder. The number in parentheses displayed next to the **All Hosts** folder is the number of devices currently detected.




Flexx Licensing Mode

When you set up your Forescout deployment, you must activate a license file containing valid licenses for each feature you want to work with in your deployment, including eyeExtend products. After the initial license file has been activated, you can update the file to add additional eyeExtend licenses or change endpoint capacity for existing eyeExtend products. For more information on obtaining eyeExtend licenses, contact your Forescout sales representative.

No demo license is automatically installed during system installation.

License entitlements are managed in the [ForeScout Customer Portal](#). After an entitlement has been allocated to a deployment, you can activate or update the relevant licenses for the deployment in the Console.

Each eyeExtend license has an associated capacity, indicating the number of endpoints the license can handle. The capacity of each eyeExtend license varies by module, but does not exceed the capacity of the ForeScout eyeSight license.

-  *Integration Modules, which package together groups of related licensed modules, are not supported when operating in Flexx Licensing Mode. Only eyeExtend products, packaging individual licensed modules are supported. The Open Integration Module is an eyeExtend product even though it packages more than one module.*

More License Information

For more information on eyeExtend (Extended Module) licenses:

- **Per-Appliance Licensing.** Refer to the *ForeScout Administration Guide*.
- **Flexx Licensing.** Refer to the *Flexx Licensing How-to Guide*.

You can also contact your ForeScout sales representative for more information.

Upgrading the Module




New module releases may become available between ForeScout releases. This section describes how to install the module when a new release becomes available.

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 will not proceed if you do not agree to the license agreement.
 -  *The installation will begin 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.*

Previous Module Versions

Installing this module version also installs fixes and enhancements provided in the previous module versions listed in this section. To view Release Notes for previous module versions, see:

<https://www.forescout.com/company/resources/open-integration-module-1-2-release-notes/>

<https://www.forescout.com/company/resources/open-integration-module-release-notes-1-1/>

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

Access documentation downloads from the [Forescout Resources Page](#), or 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 Portal](#)

 *Software downloads are also available from these portals.*

To identify your licensing mode:

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

Fore Scout Resources Page

The Fore Scout Resources Page provides links to the full range of technical documentation.

To access the Fore Scout Resources Page:

- Go to <https://www.Fore Scout.com/company/resources/>, select **Technical Documentation**, and search for documents.

Product Updates Portal

The Product Updates Portal provides links to Fore Scout version releases, Base and Content Modules, and eyeExtend products, as well as related documentation. The portal also provides a variety of additional documentation.

To access the Product Updates Portal:

- Go to <https://updates.fore Scout.com/support/index.php?url=counteract> and select the version you want to discover.

Customer Portal

The Downloads page on the Fore Scout Customer Portal provides links to purchased Fore Scout version releases, Base and Content Modules, and eyeExtend products, as well as related documentation. Software and related documentation only appear on the Downloads page if you have a license entitlement for the software.

To access documentation on the Fore Scout Customer Portal:

- Go to <https://Fore Scout.force.com/support/> and select **Downloads**.

Documentation Portal

The Fore Scout Documentation Portal is a searchable, web-based library containing information about Fore Scout tools, features, functionality, and integrations.

- 📄 *If your deployment is using Flexx Licensing Mode, you may not have received credentials to access this portal.*

To access the Documentation Portal:

- Go to https://updates.fore Scout.com/support/files/counteract/docs_portal/ and use your customer support credentials to log in.

ForeScout Help Tools

Access information directly from the Console.

Console Help Buttons

Use context-sensitive *Help* buttons to access information about tasks and topics quickly.

ForeScout Administration Guide

- Select **ForeScout Help** from the **Help** menu.

Plugin Help Files

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

Online Documentation

- Select **Online Documentation** from the **Help** menu to access either the [ForeScout Resources Page](#) (Flexx licensing) or the [Documentation Portal](#) (Per-Appliance licensing).

Contact Information

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About the Documentation

- Refer to the Resources page on the ForeScout website for additional technical documentation: <https://www.forescout.com/company/resources/>
- Have feedback or questions? Write to us at documentation@forescout.com

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2019-08-14 11:24