



# ForeScout CounterACT<sup>®</sup>

## Authentication Module 1.0.1

### Release Notes

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August 2018

## About the Authentication Module

The ForeScout CounterACT<sup>®</sup> Authentication Module provides secure network access across wired, wireless, and guest networks through the RADIUS and User Directory Plugins.

The Authentication Module is a ForeScout Base Module. Base Modules are delivered with each CounterACT release. This module is automatically installed when you upgrade the CounterACT version or perform a clean installation of CounterACT.

The User Directory and RADIUS Plugins are installed and rolled back with the Authentication Module.

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

## Module Requirements

This module requires CounterACT version 8.0 or above.

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

## About This Release

This section describes updates related to components delivered in this version of the Authentication Module.

- [RADIUS Plugin](#)
- [User Directory Plugin](#)

This release also includes enhancements and fixes provided in previous releases.

## RADIUS Plugin

This section describes requirements and updates to RADIUS Plugin version 4.3.1



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## Requirements

- Network Module version 1.0.1

## Enhanced Features

The following enhancements have been added to the plugin.

- The RADIUS Plugin now handles receipt of the Framed-IP-Address property in the Accounting-Request packet sent by the NAS server. [Track to DOT-3552]
- The RADIUS Plugin now handles receipt of an Accounting Stop packet for resolving host status. [Track to DOT-3580]

## Fixed Issues

This section describes fixed issues for this release.

Issue	Description
<b>DOT-3453</b>	The <i>RADIUS Authorize</i> action (CoA) did not work on HP switch devices due to missing parameters.
<b>DOT-3649</b> <b>DOT-3618</b>	When a Proxy was configured in the RADIUS Plugin and authentication is done through inner-identity, the RADIUS Plugin only forwarded anonymous outer identity, and did not send the inner-identity of the user name.
<b>DOT-3229</b>	In some rare cases, the RADIUS Plugin failed to start due to a missing LDAP configuration file.
<b>DOT-3403</b>	The Ping test was not sufficient to decide whether to use an Active Directory server or not. The tests for a failing Active Directory have been enhanced.
<b>DOT-3552</b> <b>DOT-3653</b>	In some rare cases, the RADIUS Plugin failed to start when a plugin configuration file could not be read.

For information about the recently released RADIUS Plugin hotfixes that are incorporated into this plugin version, refer to the following:

- Hotfix **4.2.0.1**:  
<https://forescout.force.com/support/articles/Problem/802-1x-Plugin-HF-builds-4-2-0-1xxx/p>
- Hotfix **4.2.2.1**:  
<https://forescout.force.com/support/articles/Problem/802-1x-Plugin-HF-builds-4-2-0-1xxx/p>



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## Known Issues

This section describes known issues for this release.

Issue	Description
<b>DOT-3509</b>	Centralized web authentication is not supported for IPv6-only endpoints.
<b>DOT-3518</b>	<p>When the default RADIUS Plugin configuration applies to all Appliances, you can perform a <b>Join</b> domain and/or a <b>Test</b> plugin configuration without having to first save (select <b>Apply</b>) your latest configuration updates.</p> <p>However, when working with a per-Appliance configuration of the RADIUS Plugin, always perform the previously mentioned tasks in the following order:</p> <ol style="list-style-type: none"><li>1. Save your latest configuration updates (select <b>Apply</b>)</li><li>2. Perform any of the following:<ol style="list-style-type: none"><li>a. <b>Join</b> domain</li><li>b. <b>Test</b> plugin configuration</li></ol></li></ol>

## Upgrade Considerations

This section describes upgrade considerations for this release.

### CounterACT Version 8.0 Upgrade: Impact on Plugin Processing

When only one Appliance has been upgraded to CounterACT version 8.0 and the Enterprise Manager has not yet been upgraded, the RADIUS Plugin, which is running on the newly upgraded Appliance, cannot perform authentication and authorization processing until the Enterprise Manager upgrade is complete.

## User Directory Plugin

This section describes requirements and updates to User Directory Plugin version 6.3.1

### Requirements

- Appliances or an Enterprise Manager that can access the User Directory servers.



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### Supported Guest Management Portal Browsers

The Guest Management Portal can be accessed using any of the following browsers:

- Internet Explorer 11x, Edge
- Safari 9.0 and above on MAC OS; Safari 8.3 and above on iOS
- Chrome 46 and above
- Firefox 43.0 and above
- Android Browser 1.5 and above

*Track to issue CA-15965*

### Supported Servers

The following user directory and authentication servers are supported:

- Microsoft Active Directory
- Novell eDirectory
- Oracle Directory
- IBM Lotus Notes
- OpenLDAP Server
- RADIUS
- TACACS

You can work with more than one server type simultaneously. For example, if your organization uses Microsoft Active Directory for retrieving user details and a RADIUS server for verifying authentication, you can configure the plugin to work with both these server types.

### Fixed Issues

This section describes fixed issues for this release.

Issue	Description
<b>UD-1569</b>	The User Directory Plugin was not responding for approximately 15 minutes when sending a query for user details in the Active Directory.
<b>UD-1578</b> <b>UD-1579</b>	The User Directory Plugin was sending multiple event messages to the CounterACT Console Event Viewer for each login to the Active Directory. The User Directory login event messages are now disabled by default.



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## Known Issues

This section describes known issues for this release.

Issue	Description
UD-675	The help icon in the "Log In to the Network" page is not supported.
UD-1222	The status in the CounterACT Console is not updated properly when a registered guest logs in following endpoint proxy server configuration for HTTP Login that does not include the "X-Forwarded-For" HTTP header.
UD-1239	During switch-over, tags are not copied from Enterprise Manager to Recovery Manager.
UD-1240	Pending Self-Registration guest list is not copied properly after switch-over.
UD-1427	The User Directory Plugin does not support IPv6 TACACS authentication servers.

## Upgrade Considerations

This section describes upgrade considerations for this release.

- [New Prompts during Installation](#)
- [HTTP Redirection and Cookies](#)
- [Host Log Purge](#)
- [Updating Existing Customizations](#)
- [Change in the HTTP Login Options](#)

### New Prompts during Installation

Immediately after this release is installed, you are prompted for configuration settings. See:

- [Use HTTPS Protocol for Redirected Traffic](#)
- [Use DNS Name Redirection for HTTP Login](#)

### HTTP Redirection and Cookies

HTTP Login requires that cookies be enabled in the browser. In the Tools > Options > NAC > HTTP Redirection window, under HTTP Redirection Settings, the **Allow redirect when cookies are disabled** checkbox is not supported.

*Track to issue CA-14772*

### Host Log Purge

Upgrading from a CounterACT 7.0.0 service pack version lower than 2.3.0 results in a purge of the Host Log.

### Updating Existing Customizations

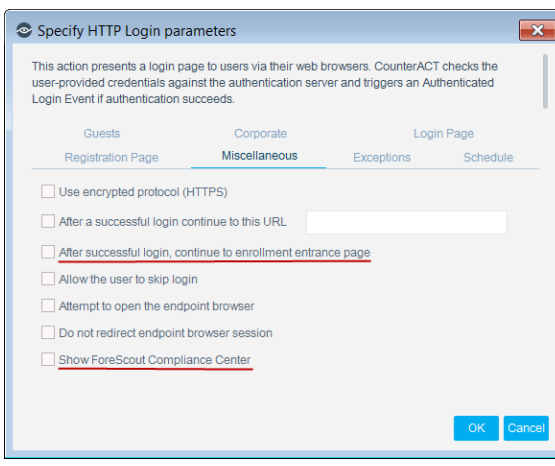
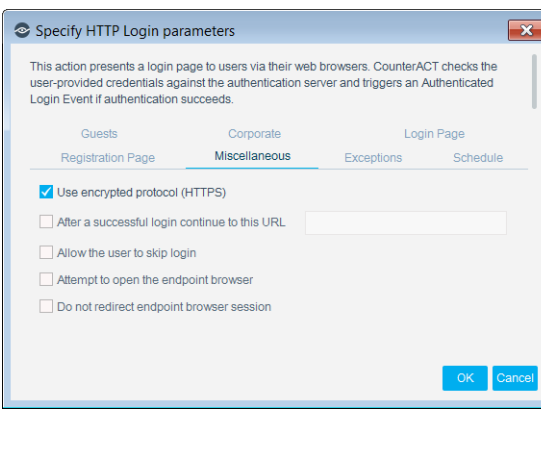
For HTTP Notification, HTTP Login, and Guest Management Portal customizations created using the legacy CounterACT Customization Tool:

- Customizations previously configured are preserved and upgraded to the Customization Portal.
- Customization files configured manually and then copied to the CounterACT file system are not available after you upgrade to this release. Use the Customization Portal to recreate these customizations.

### Change in the HTTP Login Options

Two legacy checkboxes in the HTTP Login action, *Miscellaneous* tab have been removed in this release, and their previous settings are ignored:

- **After successful login, continue to enrollment entrance page**
- **Show ForeScout Compliance Center**

Miscellaneous Tab in Previous Versions	Miscellaneous Tab in This Version
	

Track to issue UD-628

## Upgrading the Module


New module releases may become available between CounterACT 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](#) - **Centralized Licensing Mode**

To find out which licensing mode your deployment is working with, see [Identifying Your Licensing Mode in the Console](#).

1. Download the module `.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 **Modules**. The Modules pane opens.
5. Select **Install**. The Open dialog box opens.
6. Browse to and select the saved module `.fpi` file.
7. Select **Install**. The Installation screen opens.
8. 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.*

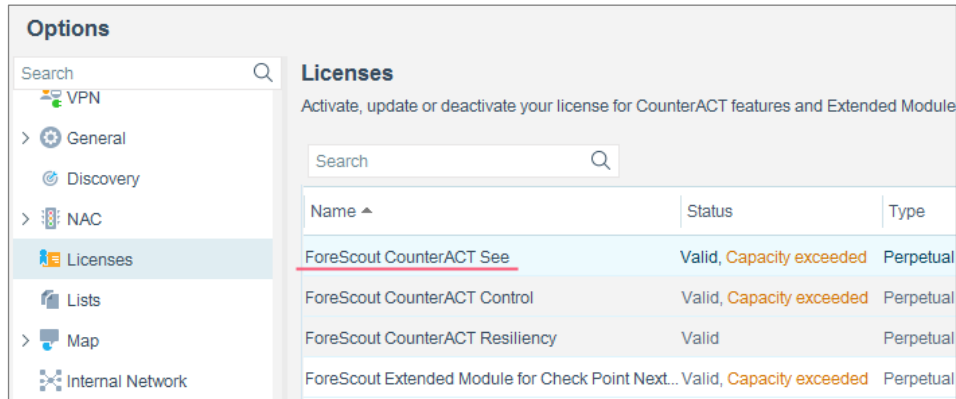
9. When the installation completes, select **Close** to close the window. The installed module is displayed in the Modules pane.

 *Some components are not automatically started following installation.*

### *Identifying Your Licensing Mode in the Console*

If your Enterprise Manager has a *ForeScout CounterACT See* license listed in the Console, your deployment is operating in Centralized Licensing Mode. If not, your deployment is operating in Per-Appliance Licensing Mode.

Select **Options > Licenses** to see whether you have a *ForeScout CounterACT See* license listed in the table.



The screenshot shows the 'Options' menu on the left with 'Licenses' selected. The main area displays a table of licenses under the heading 'Licenses'.

Name	Status	Type
ForeScout CounterACT See	Valid, Capacity exceeded	Perpetual
ForeScout CounterACT Control	Valid, Capacity exceeded	Perpetual
ForeScout CounterACT Resiliency	Valid	Perpetual
ForeScout Extended Module for Check Point Next...	Valid, Capacity exceeded	Perpetual

Contact your ForeScout representative if you have any questions about identifying your licensing mode.

## Module or Plugin Rollback

Rollback of Authentication Module 1.0.1 is only possible to Authentication Module version 1.0.0.1 or higher.

You may want to rollback this module or plugins included in the module after upgrade. When a module or plugin can be rolled back the Rollback button is enabled.

Plugins on Appliances connected to the Enterprise Manager are rolled back to the selected version. Plugins on Appliances that are not connected to the Enterprise Manager during the rollback are rolled back when the Enterprise Manager next reconnects to the Appliances

### To roll back the module or plugin:

1. Select **Options** from the Console **Tools** menu.
2. Navigate to the **Modules** folder.
3. In the Modules pane, select the module or plugin to be rolled back.
4. Select **Rollback**. A dialog box opens listing the versions to which you can roll back.
5. Select a version and select **OK**. A dialog box opens showing you the rollback progress.





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## Additional CounterACT Documentation

For information about other CounterACT features and modules, refer to the following resources:

- [Documentation Downloads](#)
- [Documentation Portal](#)
- [CounterACT Help Tools](#)

### Documentation Downloads

Documentation downloads can be accessed from one of two ForeScout portals, depending on which licensing mode your deployment is using.

- **Per-Appliance Licensing Mode** - [Product Updates Portal](#)
- **Centralized Licensing Mode** - [Customer Portal](#)

 *Software downloads are also available from these portals.*

To learn which licensing mode your deployment is using, see [Identifying Your Licensing Mode in the Console](#).

### Product Updates Portal

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

#### To access the Product Updates Portal:

1. Go to <https://updates.forescout.com/support/index.php?url=counteract>
2. Select the CounterACT version you want to discover.

### Customer Portal

The Downloads page on the ForeScout Customer Portal provides links to purchased CounterACT version releases, Base and Content Modules, and Extended Modules, as well as related documentation. Software and related documentation will only appear on the Downloads page if you have a license entitlement for the software. The Documentation page on the portal provides a variety of additional documentation.

#### To access documentation on the ForeScout Customer Portal:

1. Go to <https://forescout.force.com/support/>
2. Select **Downloads** or **Documentation**.



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## Documentation Portal

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

 *If your deployment is using Centralized Licensing Mode, you may not have credentials to access this portal.*

### To access the Documentation Portal:

1. Go to [www.forescout.com/docportal](http://www.forescout.com/docportal)
2. Use your customer support credentials to log in.
3. Select the CounterACT version you want to discover.

## CounterACT Help Tools

Access information directly from the CounterACT Console.

### **Console Help Buttons**

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

### **CounterACT Administration Guide**

Select **CounterACT Help** from the **Help** menu.

### **Plugin Help Files**

1. After the plugin is installed, select **Options** from the **Tools** menu and then select **Modules**.
2. Select the plugin and then select **Help**.

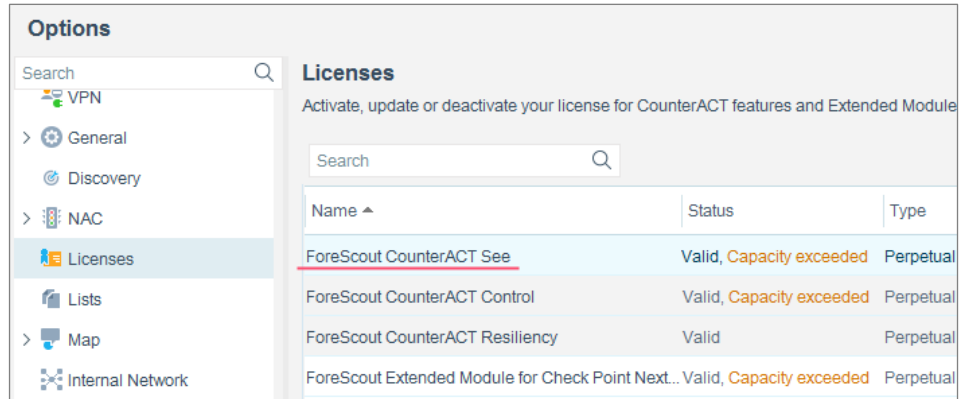
### **Documentation Portal**

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

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**Options**

Search

- VPN
- General
- Discovery
- NAC
- Licenses**
- Lists
- Map
- Internal Network

**Licenses**

Activate, update or deactivate your license for CounterACT features and Extended Module

Search

Name ▲	Status	Type
ForeScout CounterACT See	Valid, Capacity exceeded	Perpetual
ForeScout CounterACT Control	Valid, Capacity exceeded	Perpetual
ForeScout CounterACT Resiliency	Valid	Perpetual
ForeScout Extended Module for Check Point Next...	Valid, Capacity exceeded	Perpetual

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