

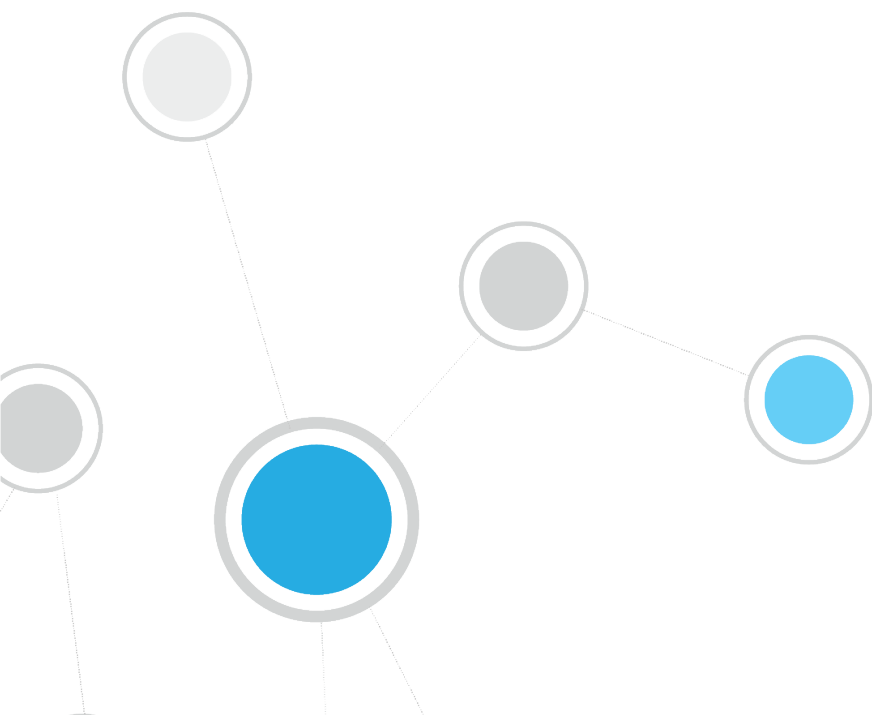


# ForeScout CounterACT®

## Core Extensions Module: DNS Client Plugin

### Configuration Guide

Version 3.1



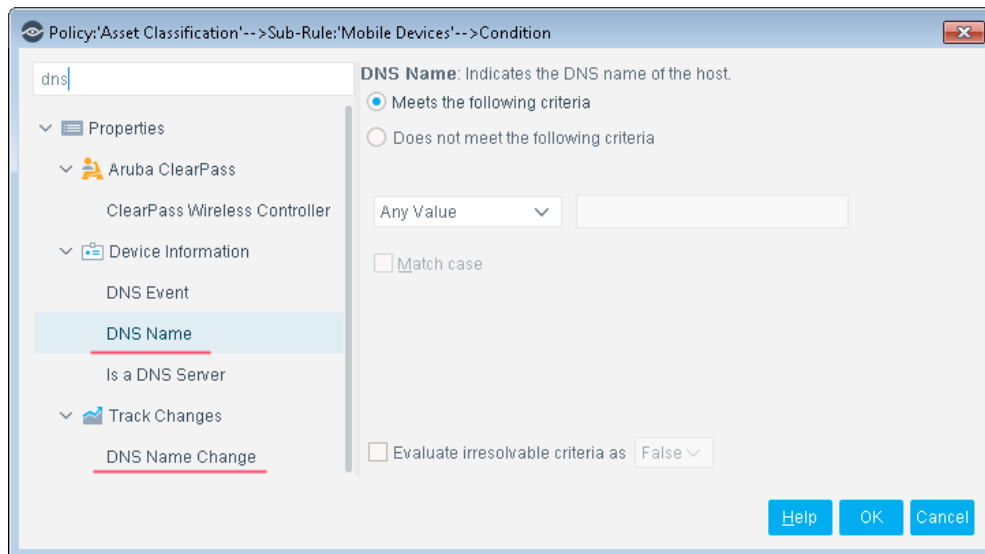
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## About the DNS Client Plugin

The DNS Client Plugin is a component of the ForeScout CounterACT® Core Extensions Module. See [Core Extensions Module Information](#) for details about the module.

The DNS Client Plugin resolves the DNS host name of a given IP address. The **DNS Name** property stores the name returned by the DNS server. A companion Track Changes property is also defined.



To resolve DNS names, the plugin queries the DNS servers that were defined during installation of CounterACT. Refer to the *CounterACT Installation Guide* for details. See [Additional CounterACT Documentation](#) for information about how to access the guide.

## Requirements

The plugin requires the following CounterACT releases and other CounterACT components:

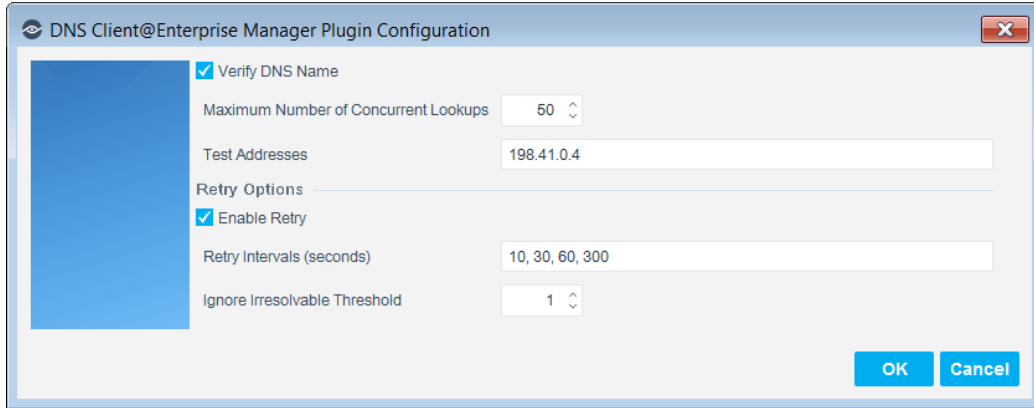
- CounterACT version 8.0.
- An active Maintenance Contract for CounterACT devices is required.

## Configuration

This plugin is preconfigured with recommended settings.

**To configure the plugin:**

1. In the CounterACT Console, select **Options** from the **Tools** menu. The Options pane opens.
2. Open the **Modules** pane and select **Core Extensions > DNS Client**.
3. Select **Configure**. If this is an Enterprise Manager, select the relevant appliances and select **OK**.
4. The Plugin Configuration window opens.



5. Configure the following settings.

<b>Verify DNS Name</b>	Select this option to verify the name returned by the DNS server. When this option is selected, the plugin resubmits the name returned by the DNS server, and verifies that the original IP address is returned. If the DNS server does not return the original IP address, the <b>DNS Name</b> property is evaluated as <i>Irresolvable</i> .
<b>Maximum Number of Concurrent Lookups</b>	Indicates the maximum number of IP addresses that the plugin can resolve simultaneously. Up to 100 lookups can be performed by each CounterACT device.
<b>Test Addresses</b>	The IP addresses used when the Test feature of the plugin is used. To enter several test addresses, separate each IP address with a comma or space character. The default test address is <i>198.41.0.4</i> , which should resolve to <i>a.root-servers.net</i> .
<b>Enable Retry</b>	Select this option to enable resubmission of the DNS query if the original DNS query fails.
<b>Retry Intervals (seconds)</b>	When the <b>Enable Retry</b> option is selected, use this field to define the time intervals at which CounterACT resubmits a failed/unresolved DNS query. Enter a comma-separated list of time intervals specified in seconds. Each time interval is counted from the time when the original DNS query was submitted. After the plugin submits the original query to the DNS Server, the <b>DNS Name</b> property is evaluated as <i>Pending</i> until a valid name is returned. If all defined retries fail, the DNS Name property is evaluated as <i>Irresolvable</i> .

<b>Ignore Irresolvable Threshold</b>	When the <b>Enable Retry</b> option is selected, use this field to specify how many of the defined retries are performed before the plugin evaluates the <b>DNS Name</b> property as <i>Irresolvable</i> . For example, if you define five retries in the <b>Retry Intervals</b> field, and enter the number 3 in the <b>Ignore Irresolvable Threshold</b> field, the plugin evaluates the <b>DNS Name</b> property as <i>Irresolvable</i> after the third retry fails.
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6. Select **OK** to save your changes.

## Verify That the Plugin Is Running

After configuring the plugin, verify that it is running.

**To verify:**

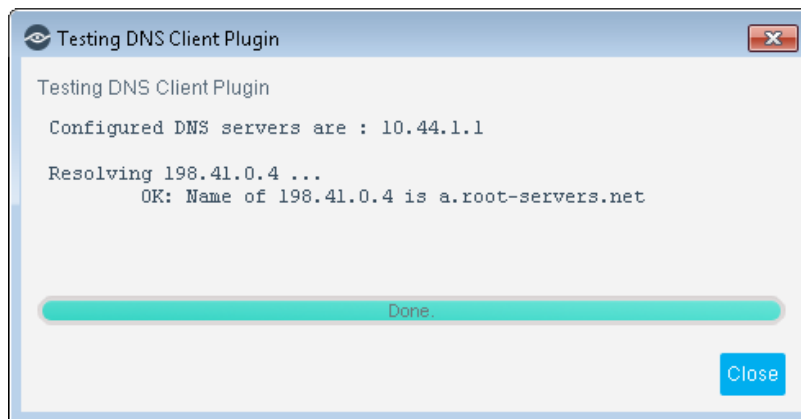
1. Select **Tools>Options** and then select **Modules**.
2. Navigate to the plugin and select **Start** if the plugin is not running.

## Verify the Test DNS Name

Use the **Test** option to verify that the test addresses are properly resolved.

**To test the DNS Client plugin:**

1. Select **Tools>Options** and then select **Modules**.
2. Navigate to the plugin and then select **Test**. A confirmation screen opens.
3. Select **Yes**. The Plugin Test dialog box opens.



The test may fail due to the following misconfigurations:

- A DNS server was not configured properly during installation of CounterACT. Update DNS server configuration using the `fstool dns` CLI command. Refer to the *CounterACT Installation Guide* for details. See [Additional CounterACT Documentation](#) for information about how to access the guide.
- A tested IP address is not listed at the DNS server.

- A tested IP address is listed at the DNS server, but the DNS name does not resolve back to the same IP address.

## Core Extensions Module Information

The DNS Client Plugin is installed with the CounterACT Core Extensions Module.

The Core Extensions Module provides an extensive range of capabilities that enhance the core CounterACT solution. These capabilities enhance detection, classification, reporting, troubleshooting and more, and include the following components:

- Advanced Tools Plugin
- CEF Plugin
- DHCP Classifier Plugin
- DNS Client Plugin
- DNS Enforce Plugin
- DNS Query Extension Plugin
- Device Classification Engine
- External Classifier Plugin
- Flow Analyzer Plugin
- IOC Scanner Plugin
- IoT Posture Assessment Engine
- NBT Scanner Plugin
- NetFlow Plugin
- Reports Plugin
- Syslog Plugin
- Technical Support Plugin
- Web GUI Plugin

The Core Extensions Module is a ForeScout Base Module. Base Modules are delivered with each CounterACT release.

Components listed above are released and rolled back with the Core Extensions Module.

Refer to the *CounterACT Core Extensions Module Guide* for more module information, for example module requirements, upgrade and rollback instructions. See [Additional CounterACT Documentation](#) for information about how to access the module guide.

## 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**.

### 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**.

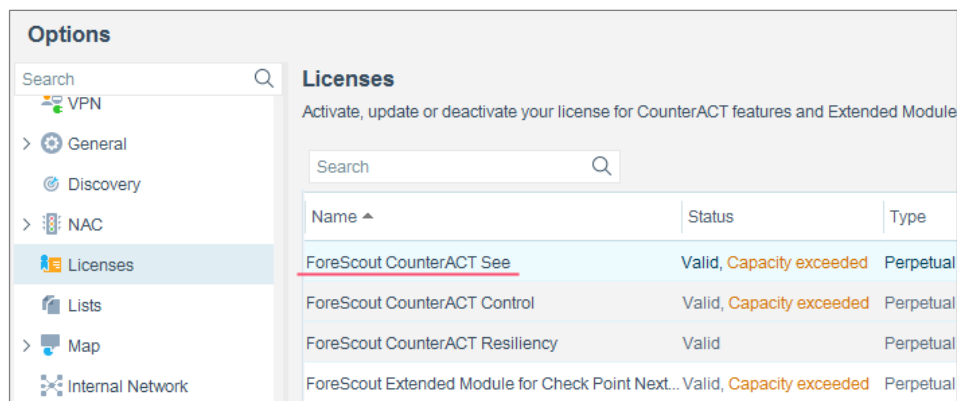
### Documentation Portal

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

### 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.



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.



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