



ForeScout

eyeExtend Connect Module: Jamf App

Configuration Guide

Version 1.2



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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 the Jamf App

The Jamf app is an integration of the Forescout platform with Jamf Pro, which is an Apple/iOS MDM management platform. This app lets you pull data from Jamf about the MacOS endpoints managed by the Forescout platform. It also lets you assign specific endpoints to policies on the Jamf platform.

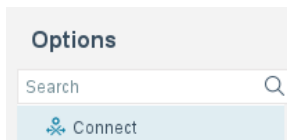
This app is for those Forescout platform users that have Jamf Pro in their environment and want to integrate it with the Forescout platform.

Requirements

- Forescout version 8.2
- Jamf Pro

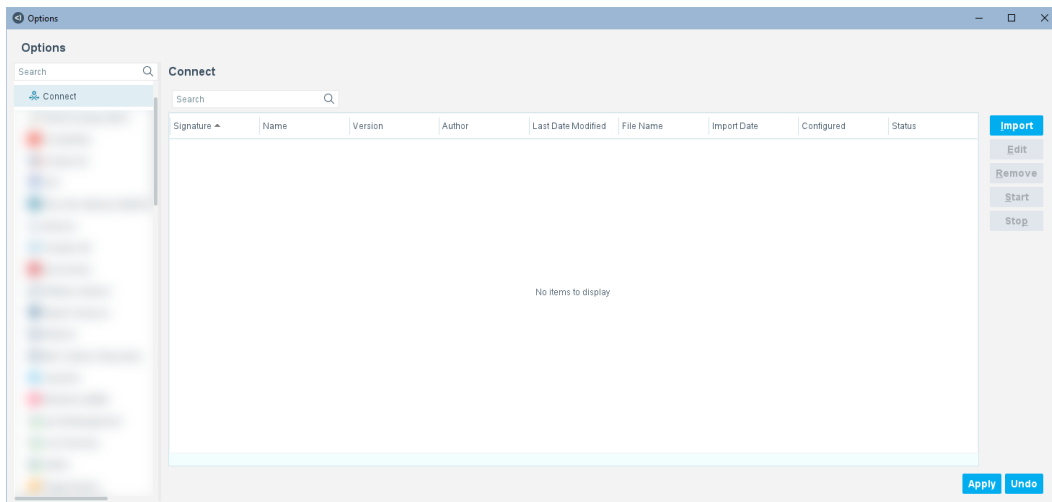
User Interface Overview

After Connect is installed, **Connect** is displayed under **Options**. See [How to Install](#).



Connect Pane Overview

Initially, the **Connect** pane is blank. The Jamf app has not been imported yet and the system description has not been configured yet.

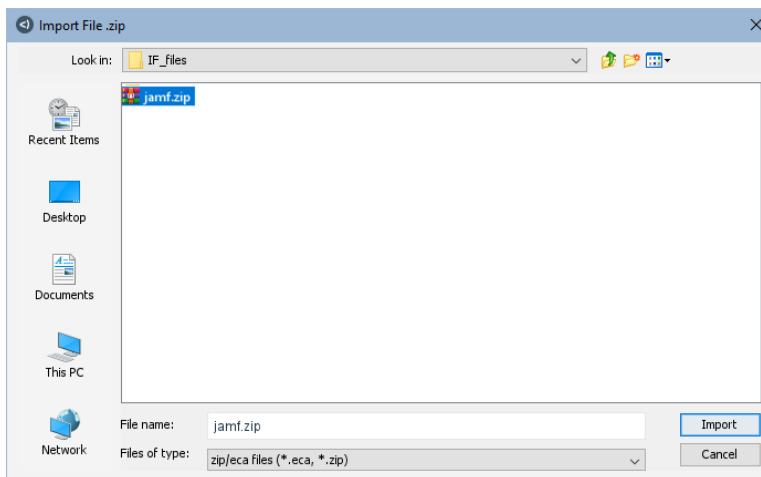


The buttons on the **Connect** pane are as follows:

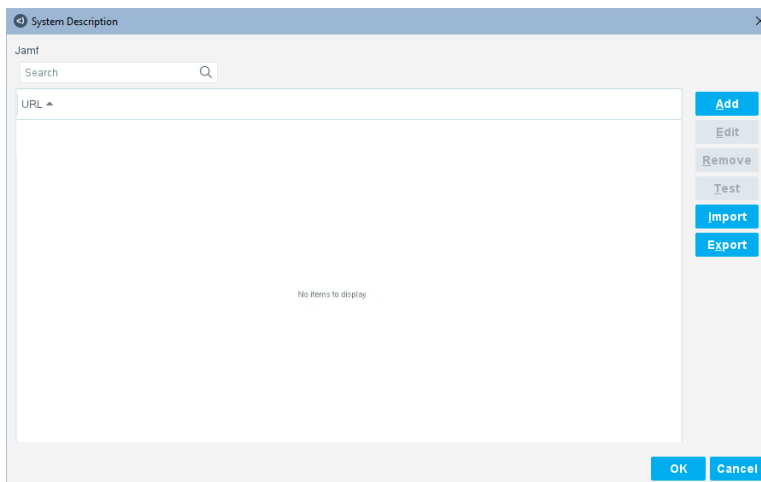
Button	Description
Import	Import an app
Edit	Edit an app
Remove	Remove an app
Start	Start an app
Stop	Stop an app

The buttons are described in [User Interface Details](#).

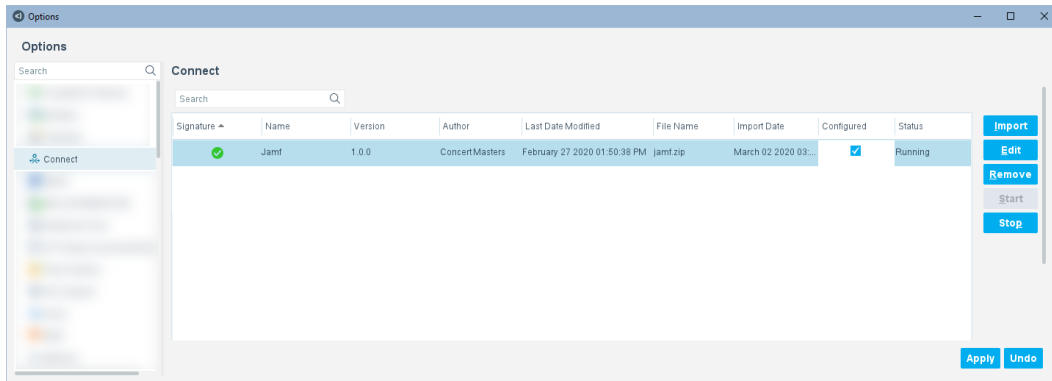
Select **Import** to import the app into Connect. Apps are in zip or eca format. They can be in any folder.



After an app is imported, the **System Description** dialog box opens. It is initially blank. See [System Description Dialog Box Overview](#) for configuration details.



After the system description for the app is configured, it is displayed in the **Connect** pane. There can be multiple apps displayed in this pane.



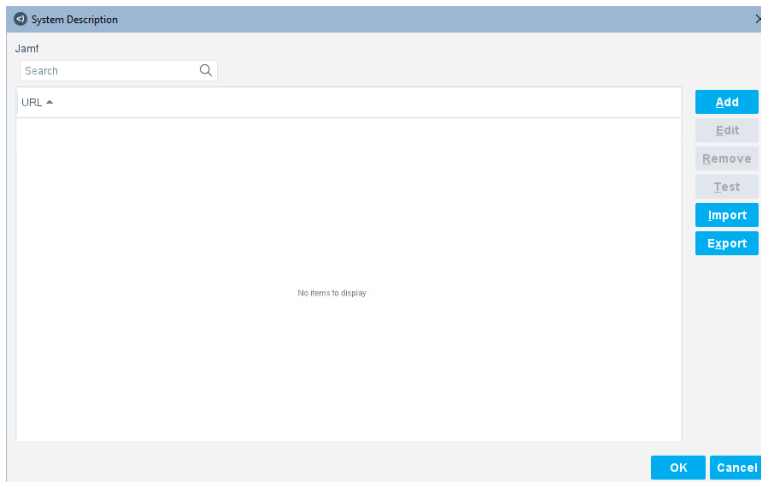
*Third-party vendor integrations are displayed inside the **Connect** pane, not on the left under **Options**.*

If the configuration has not been saved, select **Apply** to enable the **Start** button, which starts an app and the **Stop** button, which stops an app.

You can select an existing app and then select **Edit** to open the **System Description** dialog box.

System Description Dialog Box Overview

If no system descriptions have been configured yet, the **System Description** dialog box is blank.



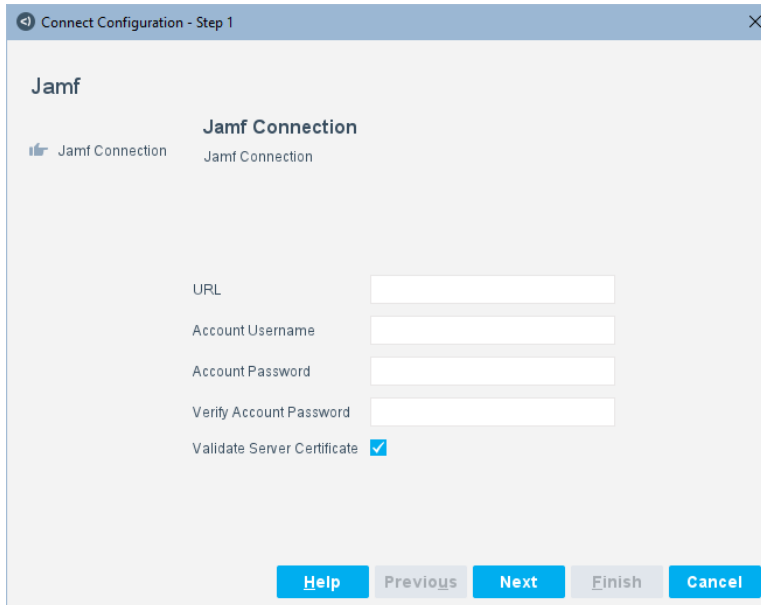
The buttons on the **System Description** dialog box are as follows:

Button	Description
Add	Add a system description
Edit	Edit a system description
Remove	Remove a system description
Test	Test a system description
Import	Import a system description

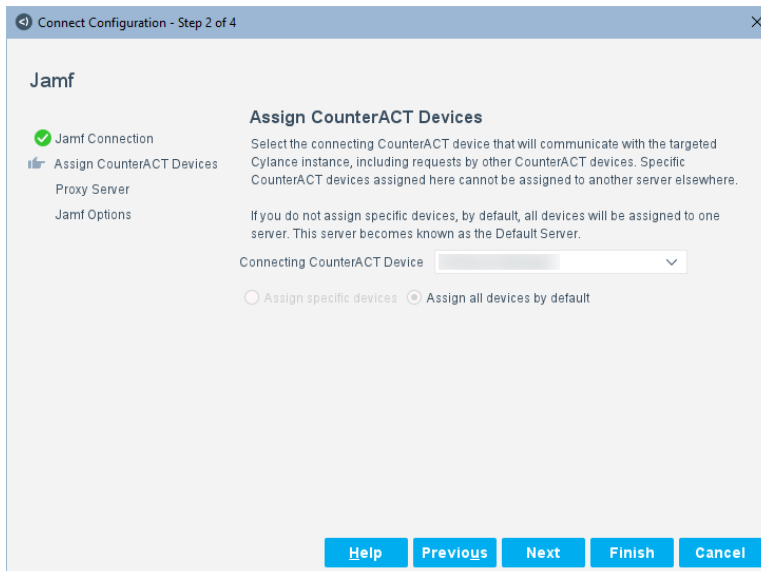
Export	Export a system description
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The buttons are described in [User Interface Details](#).

Select **Add** on the **System Description** dialog box to add a system description, which defines the connection to a third-party vendor.

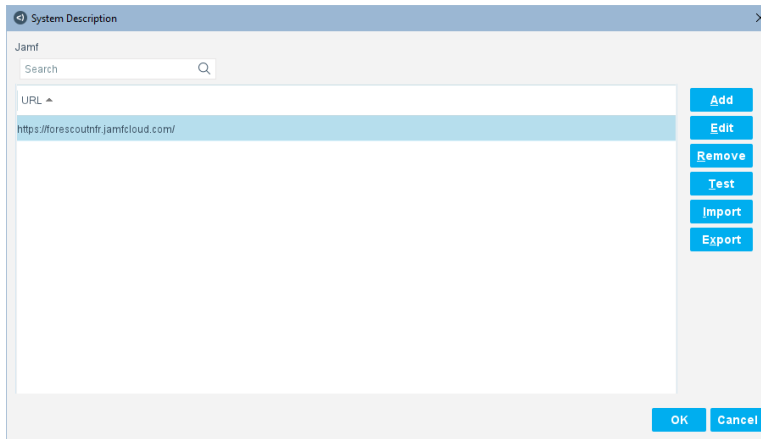


The user configuring the system description enters the information on the panel. Select **Next** to display the next configuration panel.



The user configuring the system description enters the information on the panel. Select **Next** to display the next configuration panel (there can be multiple panels), then select **Finish**.

After a system description is configured, it is displayed in the **System Description** dialog box.



How to Install

Connect is installed with an .fpi file like other eyeExtend products.

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 cannot proceed unless you agree to the license agreement.

The installation begins 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.

Ensure That the Component Is Running

After installing the component (and configuring it, if necessary), ensure that it is running.

To verify:

1. Select **Tools > Options > Modules**.
2. Navigate to the component and hover over the name to view a tooltip indicating if it is running on Forescout devices in your deployment. In addition, next to the component name, you will see one of the following icons:
 -  - The component is stopped on all Forescout devices.
 -  - The component is stopped on some Forescout devices.
 -  - The component is running on all Forescout devices.
3. If the component is not running, select **Start**, and then select the relevant Forescout devices.
4. Select **OK**.

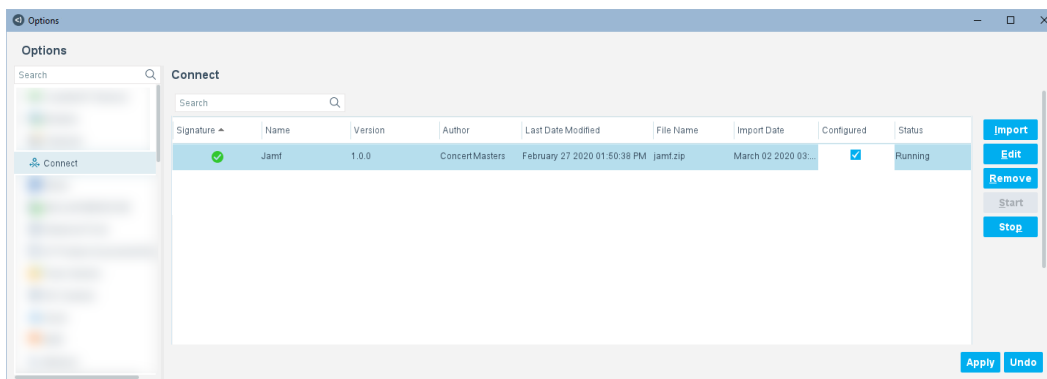
User Interface Details

The user interface has the following:

- [Connect Pane Details](#)
- [System Description Dialog Box Details](#)
- [Configure Custom Policy Template](#)

Connect Pane Details

The **Connect** pane displays existing apps that have been imported and system descriptions that have been configured. There can be multiple apps displayed in this pane.

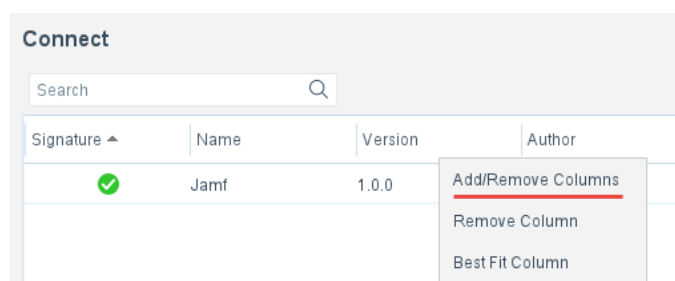


Columns in Connect Pane

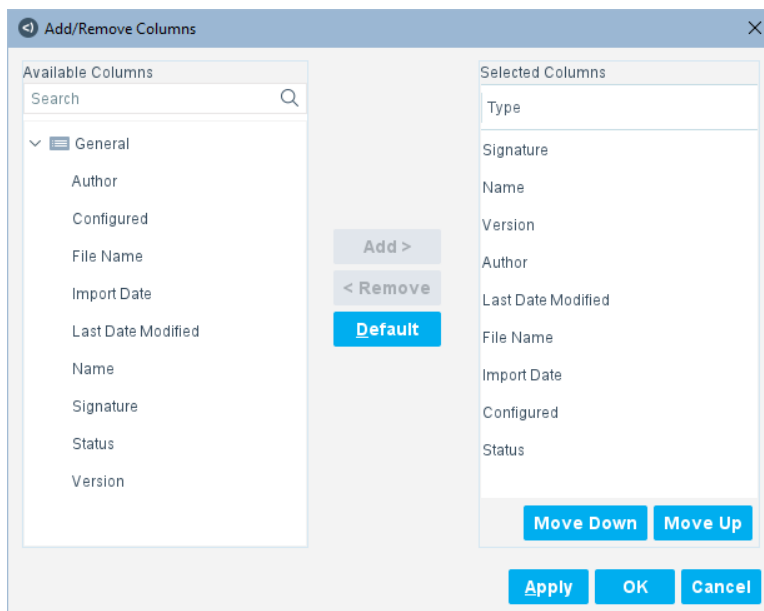
There are several default columns in the **Connect** pane as follows:

- **Signature:** The signature of the imported app, which has a green checkmark if the signature is valid or an orange caution sign if the signature is not valid or is missing. Apps from Forescout are signed after their creation to ensure their authenticity and integrity.
- **Name:** The name of the third-party integration app, such as Jamf.
- **Version:** The version of the app.
- **Author:** The author of the app.
- **Last Date Modified:** The date that any file in the app was last modified.
- **File Name:** The file name of the app, such as jamf.zip.
- **Import Date:** The date the app was imported.
- **Configured:** The configuration flag, which has a checkmark if the system description is configured. If an app has been imported, but not configured, there will not be a checkmark in this column. To configure the system description, see [Add a System Description](#).
- **Status:** The status of the app. The valid values are Running and Stopped.

When you right-click on the column titles, a menu for adding and removing columns is displayed.



To add, remove, or reorder the columns on the **Connect** pane, select **Add/Remove Columns**. You can expand the General folder.



Move columns in the lists for **Available Columns** and **Selected Columns** and use the **Move Up** and **Move Down** buttons to reorder the columns in the **Add/Remove Columns** dialog box.

To delete a column, select it and select **Remove Column** in the **Connect** pane.

To select the best fit for a column, right-click a column title and select **Best Fit Column** in the **Connect** pane.

Buttons in Connect Pane

There are several buttons on the **Connect** pane for apps as follows:

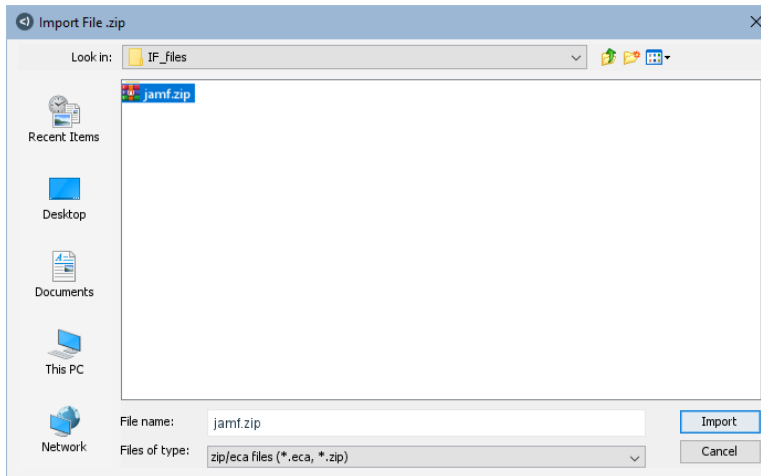
Button	Description
Import	Import an App
Edit	Edit an App
Remove	Remove an App
Start	Start an App
Stop	Stop an App

There are also **Apply** and **Undo** buttons on the **Connect** pane as follows:

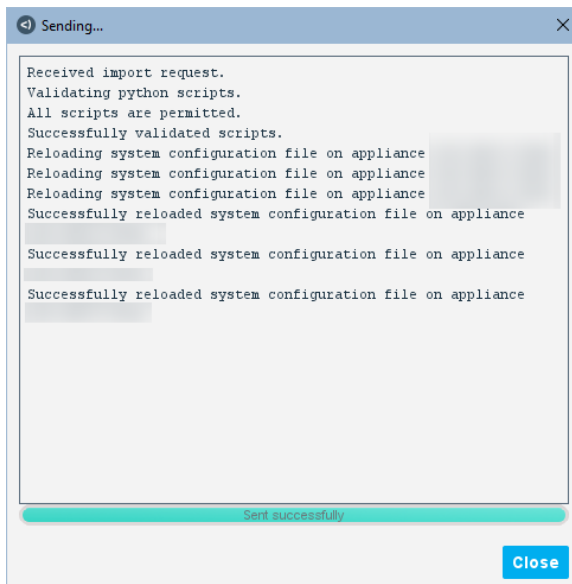
Button	Description
Apply	Save the Connect configuration to the CounterACT Appliance. See Apply Changes .
Undo	Undo the previous action performed in Connect.

Import an App

Select the **Import** button to import apps into Connect in zip or eca format.



Messages are displayed as the app is imported.

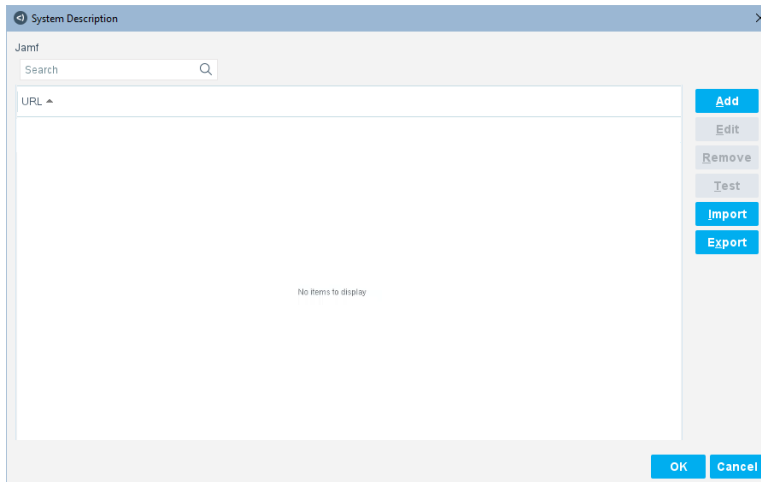


If the app has been imported successfully, a message is displayed at the bottom of the **Sending** dialog box.

If the app has not been imported successfully, error messages are displayed in the **Sending** dialog box.

Select **Close** when the import has finished. If you select **Close** before the import has finished, it will fail.

The **System Description** dialog box opens. In this example, there is one column, URL.



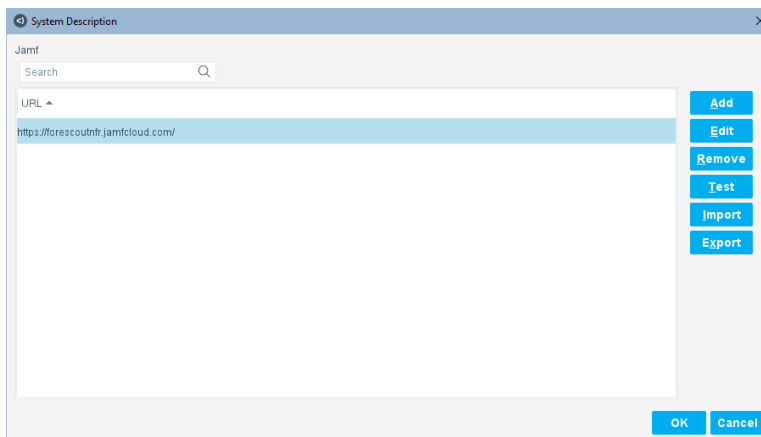
The maximum number of apps that can be imported is 22.

If a device has not been configured and you select **OK** in the **System Description** dialog box, a warning message is displayed.

To configure a system description, select **Add**. See [Add a System Description](#).

Edit an App

Select an existing app in the **Connect** pane and select **Edit** or double-click the existing app to open the system description for it.

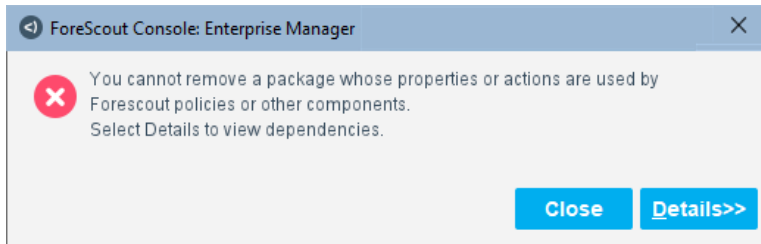


Remove an App

Remove an existing app before replacing it with an update of the same app.

Select an existing app in the **Connect** pane, select **Remove** to delete it, and then confirm the removal.

Before an app is removed, dependencies for properties and actions are checked. An error message is displayed if there are properties or actions configured in a policy when you try to remove the app.



Select **Details** to view the specific properties and actions that are configured.

Start an App

Select the **Start** button to start a selected app when it is not in the Running state. Starting an app enables host discovery, property resolves, and actions (if applicable and configured).

When a selected app is running, the **Start** button is disabled. After an app is started, a status of Running is displayed in the **Connect** pane.

If an app is not selected, both the **Start** and **Stop** buttons are disabled.

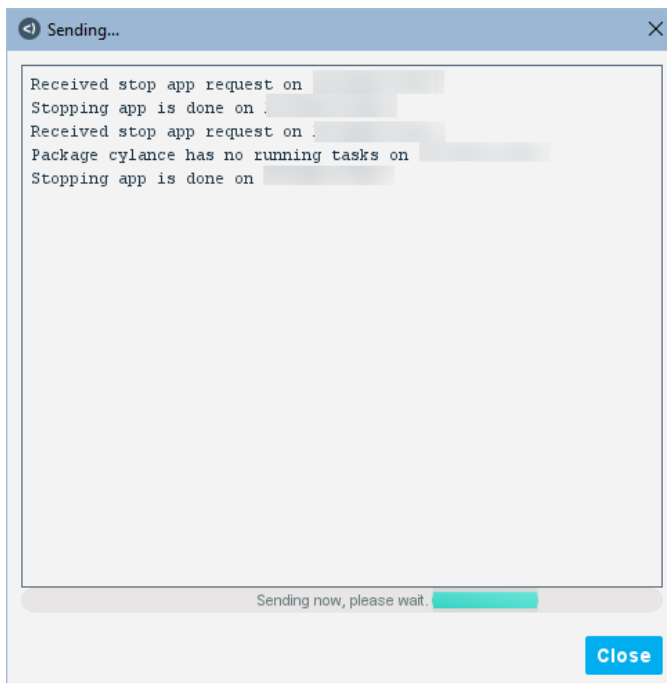
If the configuration has not been saved, select **Apply** and then select **Start**.

Stop an App

Select the **Stop** button to stop a selected app when it is in the Running state.

For example, if one app has issues, select it and select **Stop**, then investigate it. The other apps continue running.

When an app is in the Stopped state, host discovery, property resolves, and actions, (if applicable and configured), are stopped.



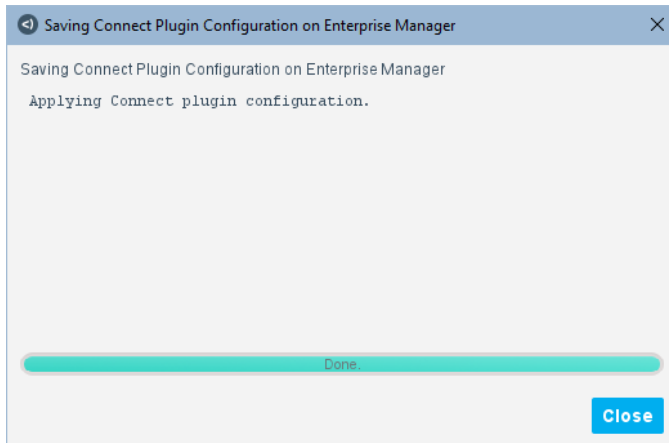
When a selected app is not running, the **Stop** button is disabled. After an app is stopped, a status of Stopped is displayed in the **Connect** pane.

If an app is not selected, both the **Start** and **Stop** buttons are disabled.

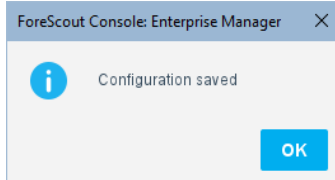
If the configuration has not been saved, select **Apply** and then select **Start**.

Apply Changes

Select the **Apply** button to save the changes to the configuration.



Select **Close**.

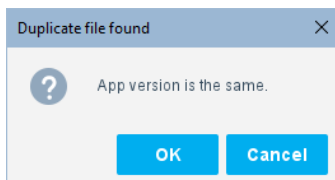


Select **OK**.

Upgrade an App

App upgrade is not supported in the current release. To upgrade an app to a newer version, you must **Remove** it, **Import** the newer app, and then **Add** the configuration for the system description.

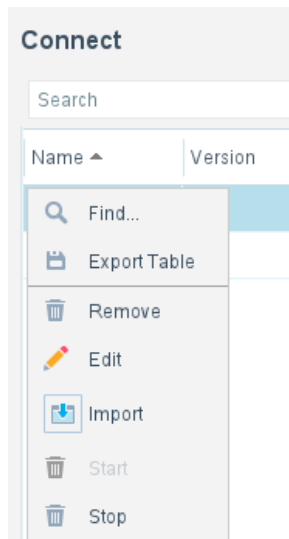
An error message is displayed if you try to import an app with the same name and version as an existing app.



Menu in Connect Pane

There is a menu available when you right-click an existing app in the **Connect** pane.

For **Remove**, **Edit**, **Import**, **Start**, and **Stop**, see [Buttons in Connect Pane](#).



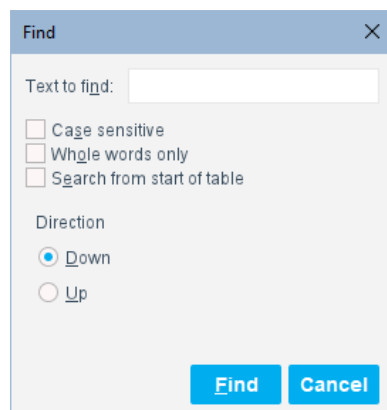
For **Find** and **Export Table**, see [Find Dialog Box](#) and [Export Table Dialog Box](#).

Find Dialog Box

Find a string on the window.

To find a string:

1. Select **Find**.



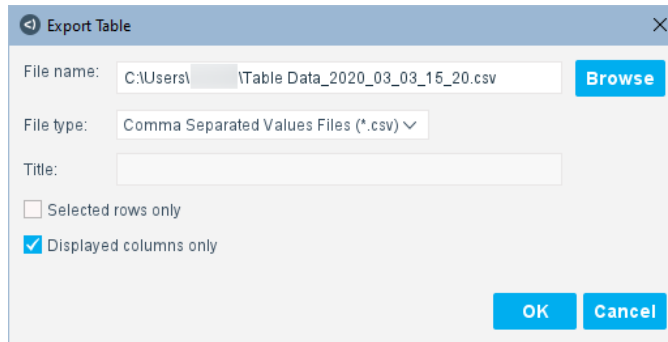
2. Enter the text to find, select options or direction, and then select **Find**.

Export Table Dialog Box

Export the window contents to a spreadsheet.

To export a table:

1. Select **Export Table**.

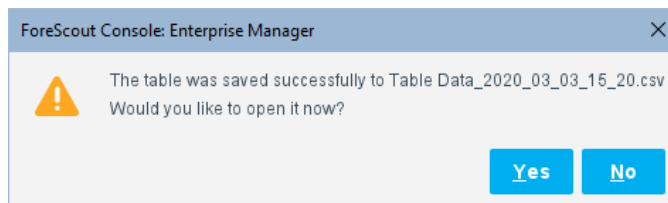


2. You can:

- Export the **Selected rows only** and/or the **Displayed columns only**
- Change the **File type** to either Comma Separated Values Files (*.csv) or Acrobat Reader Files (*.pdf)
- Change the folder location using **Browse**

*You cannot enter anything in the **Title** field.*

3. Select **OK**. A confirmation is displayed.

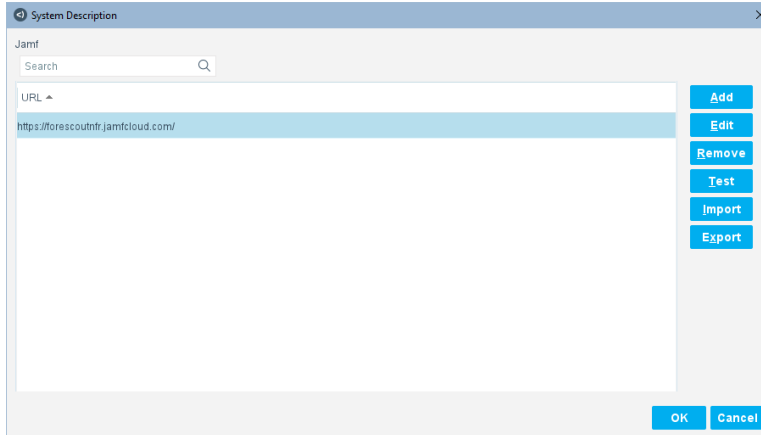


4. Select **Yes**. The table data opens in an Excel spreadsheet. The spreadsheet has a default name based on the date and time.

	A	B	C	D	E	F	G	H	I
1	Signature	Name	Version	Author	Last Date Modified	File Name	Import Date	Configured	Status
2	Valid Forescout signature	Jamf	1.0.0	Concert Masters	February 27 2020 01:50:38 PM	jamf.zip	March 02 2020 03	TRUE	Running

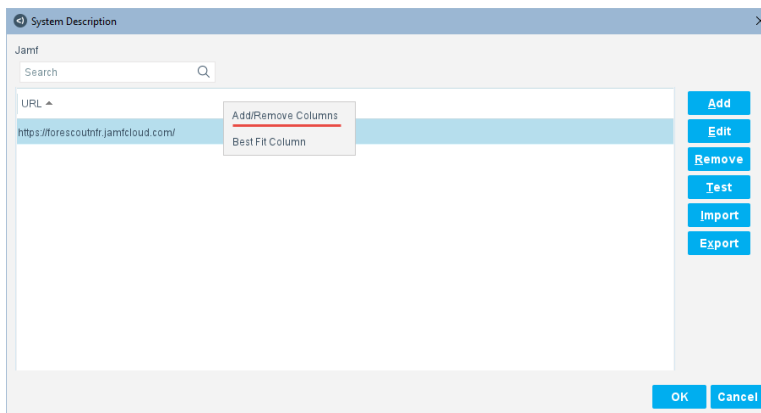
System Description Dialog Box Details

After a system description is configured, it is displayed in the **System Description** dialog box.

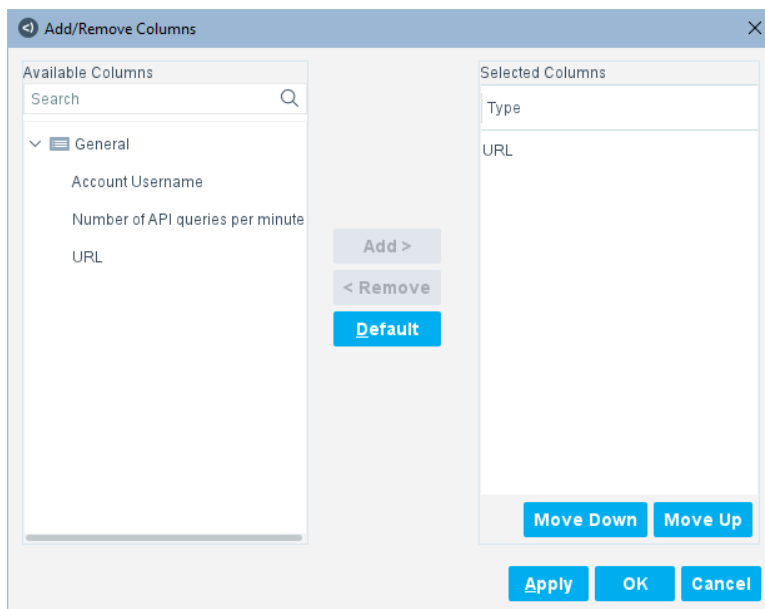


Columns in System Description Dialog Box

When you right-click on the column titles, a menu for adding and removing columns is displayed.



To add, remove, or reorder the columns on the **System Description** dialog box, select **Add/Remove Columns**. You can expand the General folder.



Move columns in the lists for **Available Columns** and **Selected Columns** and use the **Move Up** and **Move Down** buttons to reorder the columns in the **Add/Remove Columns** dialog box.

To delete a column, select it and select **Remove Column** in the **System Description** dialog box.

If there is only one column, you cannot remove it.

To select the best fit for a column, right-click a column title and select **Best Fit Column** in the **System Description** dialog box.

Buttons in System Description Dialog Box

There are several buttons for an integration on the **System Description** dialog box as follows:

Button	Description
Add	Add a System Description
Edit	Edit a System Description
Remove	Remove a System Description
Test	Test a System Description
Import	Import a System Description
Export	Export a System Description

There are also **OK** and **Cancel** buttons on the **System Description** dialog box:

Button	Description
OK	Save the system description changes to the CounterACT Appliance.
Cancel	Cancel the previous action performed in Connect.

Add a System Description

Define a connection to Jamf, including login credentials.

To add a system description:

1. Select **Add** to display the first configuration panel. There will be at least two panels.

The screenshot shows a configuration window titled "Connect Configuration - Step 1". Inside, there's a "Jamf" section with a "Jamf Connection" sub-section. Below this, there are four input fields: "URL", "Account Username", "Account Password", and "Verify Account Password". A checkbox labeled "Validate Server Certificate" is checked. At the bottom of the window, there are five buttons: "Help", "Previous", "Next", "Finish", and "Cancel".

2. Enter the following information for the custom fields on the panel:

URL	Enter the address of the Jamf cloud.
Account Username	Enter the username used to access Jamf.
Account Password	Enter the password used to access Jamf.
Verify Account Password	Re-enter the password to verify it.
Validate Server Certificate	<p>Select this option to validate the identity of the third-party server before establishing a connection, when the eyeExtend product communicates as a client over SSL/TLS. To validate the server certificate, either of the following certificate(s) must be installed:</p> <ul style="list-style-type: none"> • Self-signed server certificate – the server certificate must be installed on the CounterACT Appliance • Certificate Authority (CA) signed server certificate – the CA certificate chain (root and intermediate CA certificates) must be installed on the CounterACT Appliance <p>Use the Certificates > Trusted Certificates pane to add the server certificate to the Trusted Certificate list. For more information about certificates, refer to the appendix, "Configuring the Certificate Interface" in the <i>Forescout Administration Guide</i>.</p>

- Select **Next** to display the next configuration panel, which is the predefined Assign CounterACT Devices panel.

The screenshot shows the 'Assign CounterACT Devices' panel in the 'Connect Configuration - Step 2 of 4' wizard. On the left, a sidebar lists 'Jamf' with sub-items: 'Jamf Connection' (checked), 'Assign CounterACT Devices' (active), 'Proxy Server', and 'Jamf Options'. The main area is titled 'Assign CounterACT Devices' and contains instructions: 'Select the connecting CounterACT device that will communicate with the targeted Cylance instance, including requests by other CounterACT devices. Specific CounterACT devices assigned here cannot be assigned to another server elsewhere.' It also states: 'If you do not assign specific devices, by default, all devices will be assigned to one server. This server becomes known as the Default Server.' Below this is a dropdown menu for 'Connecting CounterACT Device'. At the bottom, there are two radio buttons: 'Assign specific devices' (unselected) and 'Assign all devices by default' (selected). At the very bottom are five buttons: 'Help', 'Previous', 'Next', 'Finish', and 'Cancel'.

At first, the Assign CounterACT Devices panel has only one option, **Assign all devices by default**, and it is selected so that one device is added.

If you want to add a second device, the Assign CounterACT Devices panel has more options.

This screenshot shows the 'Assign CounterACT Devices' panel with more options. The 'Assign specific devices' radio button is now selected. Below the instructions, there is a dropdown for 'Connecting CounterACT Device'. Underneath, there are two sections: 'Available Devices' and 'Selected Devices'. The 'Available Devices' section has a search bar and a list of devices: 'Enterprise Manager' and 'Appliances'. To the right of this list are 'Add >' and '< Remove' buttons. The 'Selected Devices' section also has a search bar and a list area. At the bottom of the 'Selected Devices' list, it says '1 items (0 selected)'. The same five buttons ('Help', 'Previous', 'Next', 'Finish', 'Cancel') are at the bottom.

- Enter the following information for the predefined fields on the panel:

Connecting CounterACT Device

Select Enterprise Manager or an IP address of the connecting CounterACT device. In an environment where more than one CounterACT device is assigned to a single third-party instance, the connecting CounterACT Appliance functions as a middleman between the third-party instance and the CounterACT Appliance. The connecting CounterACT

	Appliance forwards all queries and requests to and from the third-party instance.
Assign specific devices	<p>This CounterACT Appliance is assigned to a third-party instance, but it does not communicate with it directly. All communication between the third-party instance and its assigned CounterACT Appliance is handled by the connecting CounterACT Appliance defined for the third-party instance. All the IP addresses handled by an assigned Appliance must also be handled by the third-party instance to which the Appliance is assigned.</p> <ul style="list-style-type: none"> • Select Available Devices and then select an IP address or Appliance name from the Available Devices list. • Select Add. The selected device will send its requests to the third-party instance through the connecting Appliance.
Assign all devices by default	<p>This is the connecting Appliance to which CounterACT Appliances are assigned by default if they are not explicitly assigned to another connecting Appliance. Select this option to make this connecting Appliance the middleman for all CounterACT Appliances not assigned to another connecting device.</p>

Note the following:

- An error message is displayed if you try to add a device that is already used.
- The focal appliance must be the managing appliance for overlapping IPs.
- If you have apps that discover 50,000 or more endpoints, distribute them in such a way so that only up to two of them share the same focal (connecting) appliance. An alternative is to split the endpoints across multiple user accounts on multiple servers.

5. Select **Next** to display the next configuration panel, which is the predefined Proxy Server panel.

6. Enter the following information for the predefined fields on the panel:

Use Proxy Server	
-------------------------	--

	Select this option if your environment routes internet communications through proxy servers.
Proxy Server Host	Enter the Fully Qualified Domain Name (FQDN) of the proxy server or the IPv4 address.
Proxy Server Port	Select the port number of the proxy server.
Proxy Server Username	Enter the administrator username used to access the proxy server.
Proxy Server Password	Enter the administrator password used to access the proxy server.
Verify Password	Re-enter the administrator password to verify it.

7. Select **Next** to display the next configuration panel, which is the Jamf Options panel.

Connect Configuration - Step 4 of 4

Jamf

- ✓ Jamf Connection
- ✓ Assign CounterACT Devices
- ✓ Proxy Server
- Jamf Options**

Jamf Options

Jamf Options

Number of API queries per second: 10

Enable Host Discovery: ☒

Discovery Frequency (in minutes): 3600

Computer Poll (must enable Host Discovery): ☒

Mobile Device Poll (must enable Host Discovery): ☒

Help Previous Next Finish Cancel

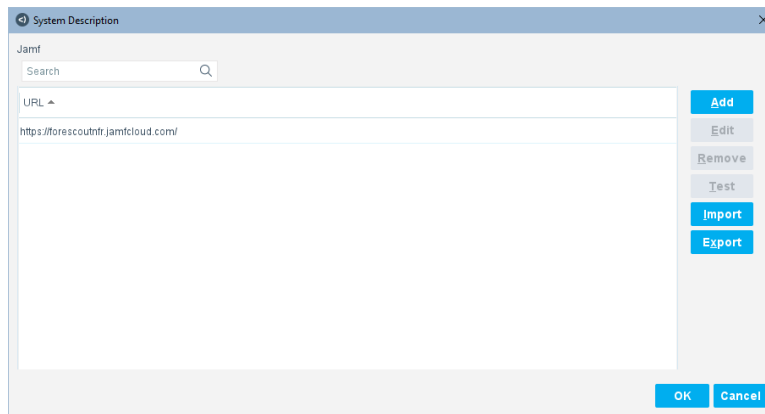
8. Enter the following information for the predefined field on the panel:

Number of API queries per second	Select a value for the rate limiter. The rate limiter only applies to property resolves inside of the resolve scripts for a single host and won't limit how often a policy might ask Jamf for properties on all hosts to check for a matching condition.
Enable Host Discovery	Check this box if you want to poll Jamf for all its managed devices. If this box is checked, you must check at least one of the Computer or Mobile Device Poll boxes in order to discovery hosts managed by Jamf
Discovery Frequency	Select a value (in minutes) for how often Jamf will be polled for its managed devices.
Computer Poll	Check this box to poll Jamf for all of its Computers. Any devices found will include a Jamf ID and that it is managed by Jamf. Host Discovery must be enabled to poll for Computers.

Mobile Device Poll	Check this box to poll Jamf for all of its Mobile Devices. Any devices found will include a Jamf ID and that it is managed by Jamf. Host Discovery must be enabled to poll for Mobile Devices.
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9. Select **Finish**.

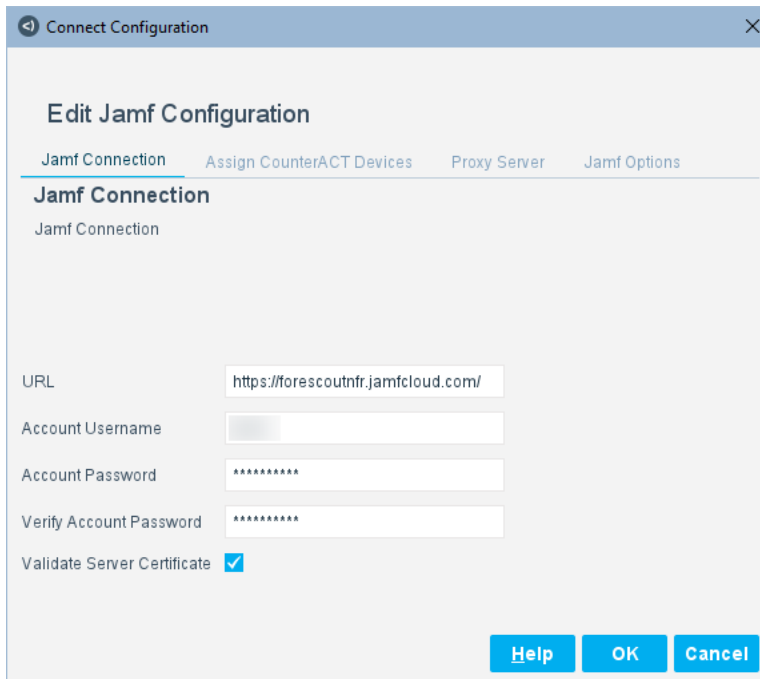
The configured system description is displayed in the **System Description** dialog box.



You can create multiple system descriptions. To add another system description, select **Add** and repeat [Add a System Description](#).

Edit a System Description

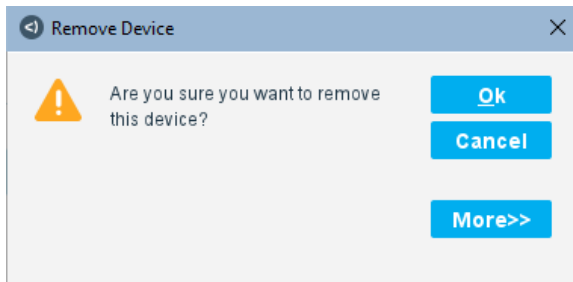
Select an existing system description in the **System Description** dialog box and select **Edit** to open it. There are tabs for each panel.



Select **OK** to close the dialog box.

Remove a System Description

Select an existing system description in the **System Description** dialog box and select **Remove** to remove it. A confirmation is displayed.



Select **More** for details or select **Ok**.

Scenarios for Remove

The following table describes different scenarios for removing a system description:

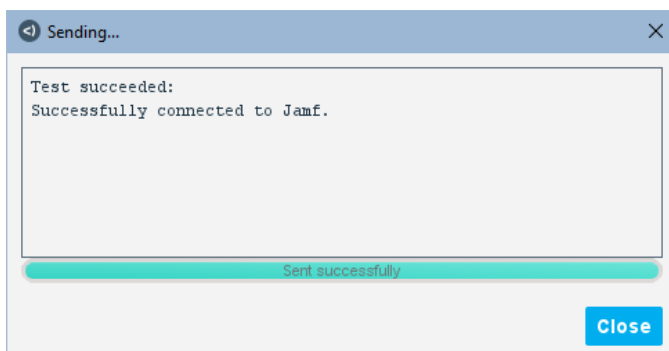
Description	Result
The system description being removed has the connecting appliance as the default appliance.	If there is only one system description and it is the default, the remove is allowed.
	If there are two system descriptions, the remove is allowed and the connecting appliance is assigned as the default appliance.
	If there are more than two system descriptions, the remove is not allowed. You must select a new default before removing the system description.

Test a System Description

Select an app and select **Test** to test the connectivity of the configuration. The app must be in the Running state.

Also, the app must be saved before selecting **Test**. Select **OK** in the **System Description** pane and then select **Apply** in the **Connect** pane to save the system description configuration.

When you select **Test**, the Sending dialog box opens.



If the connectivity of the system description has been tested successfully, a success message is displayed at the bottom of the dialog box.

If the test failed, a failure message is displayed with a reason.

Import a System Description

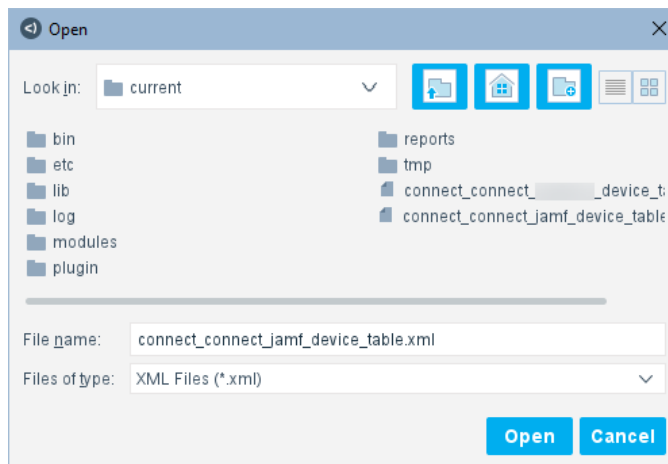
Import a saved backup of the configuration. The only supported format is .xml.

To import a system description:

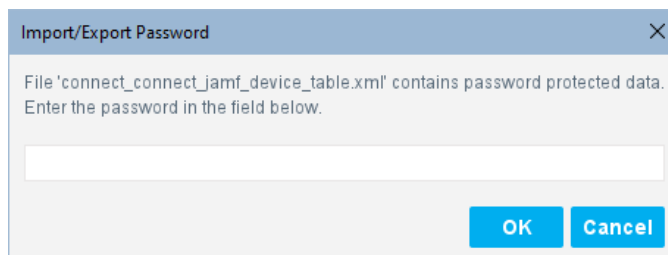
1. Select **Import**.



2. To change the folder location, select **Browse**.

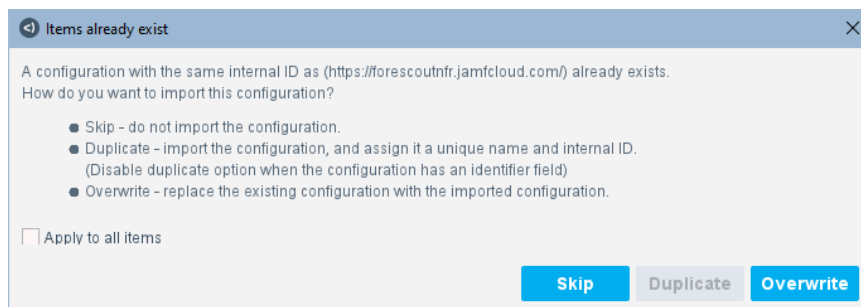


3. Select **Open**.
4. Select **OK** in the **Import** dialog box.
 - a. If the device to be imported contains encrypted fields for passwords, the **Import/Export Password** dialog box opens and prompts you to enter a password with which to encrypt the data.



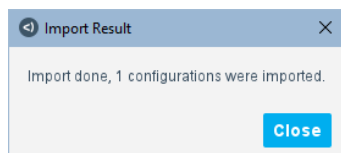
- b. Enter the password that you used when you exported the configuration and select **OK**. See [Export a System Description](#).

5. If the system description already exists, you have the option to **Skip**, **Duplicate**, or **Overwrite** it.



The **Duplicate** button may be inactive if the configuration contains a unique field. This is because only one unique field is allowed and creating a duplicate would result in two.

6. The result of the import is displayed.



7. Select **Close**.

Scenarios for Import

The following table describes different scenarios for importing a system description:

Description	Result
The imported system description is the first configuration of this app.	The import is allowed and the imported focal appliance is set as the default.
The imported system description will overwrite the default appliance because the user selected Overwrite during the import.	The import is allowed and the imported focal appliance is set to the default.
The imported system description has the default appliance assigned, the default is correct, and is not a duplicate appliance.	If no system description has been configured yet, the import is allowed.
	If more than one system description is configured, the import is allowed and the imported focal appliance is switched to a specific appliance.
The imported system description has the default appliance assigned, but the default appliance is not found. For example, the system description might have originated elsewhere.	If no system description has been configured yet, the import is allowed and the Enterprise Manager is set as the default appliance. A warning message is displayed.
	If more than one system description is configured and if all other appliances have been assigned to other devices, the import is not allowed.
	If more than one system description is configured and if an appliance is available,

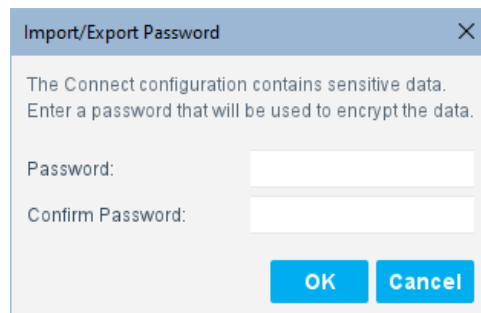
	one is selected at random.
The imported system description has one or more specific appliances assigned, but the appliances are not found. For example, the system description might have originated elsewhere.	If all the specific appliances are not found and if all other appliances have been assigned to other system descriptions, the import is not allowed.
	If all the specific appliances are not found and an appliance is available, one is selected at random.
	If some of the specific appliances are found, the import of the correct specific appliances is allowed.
	If some of the specific appliances are found and if all other appliances have been assigned to other system descriptions, the import is not allowed.

Export a System Description

Save a backup of the configuration. The only supported format is .xml.

To export a system description:

1. Select **Export**.
 - a. If the devices contain encrypted fields for passwords, the **Import/Export Password** dialog box opens and prompts you to enter a password with which to encrypt the data.



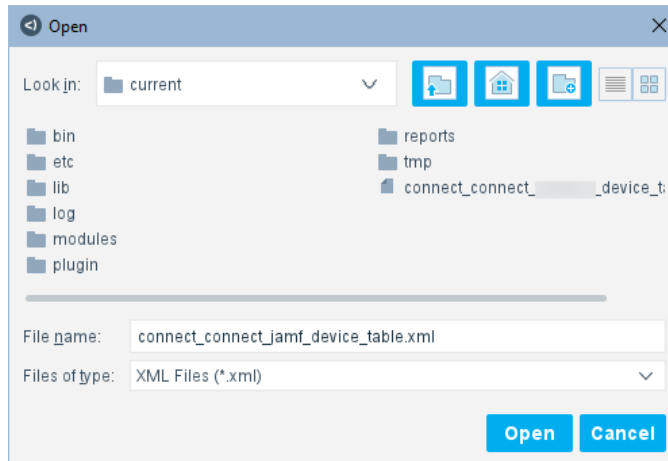
The dialog box titled "Import/Export Password" contains the following text: "The Connect configuration contains sensitive data. Enter a password that will be used to encrypt the data." Below this text are two input fields labeled "Password:" and "Confirm Password:". At the bottom right are two buttons: "OK" and "Cancel".

- b. Enter the password.
2. The **Export Table** dialog box opens. You can select to export the **Selected rows only**.

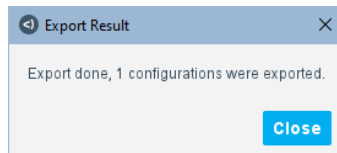


The dialog box titled "Export Table" contains the following elements: a "File name:" label followed by a text field containing "GuiManager\current\connect_connect_jamf_device_table.xml" and a "Browse" button. Below this is a checkbox labeled "Selected rows only". At the bottom right are two buttons: "OK" and "Cancel".

3. To change the folder location, select **Browse**.



4. Select **Open**.
5. Select **OK** in the **Export Table** dialog box.



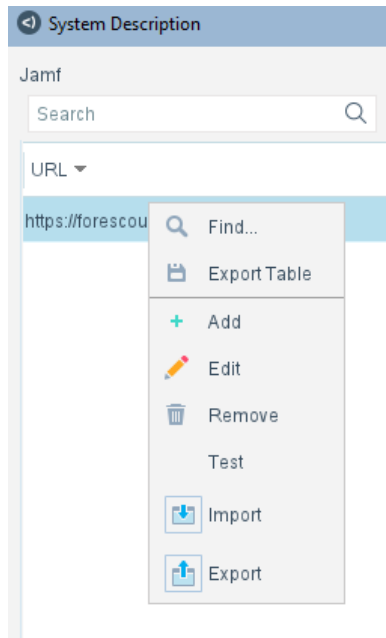
6. Select **Close**.

There is no Export for an app.

Menu in System Description Dialog Box

There is a menu available when you right-click an existing system description in the **System Description** dialog box.

For **Add**, **Edit**, **Remove**, **Test**, **Import**, and **Export**, see [Buttons in System Description Dialog Box](#).



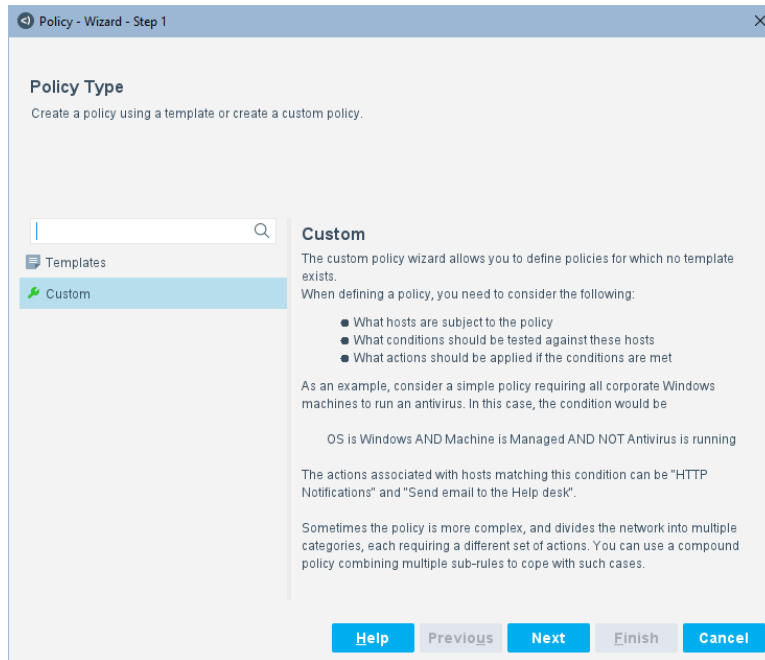
For **Find** and **Export Table**, see [Find Dialog Box](#) and [Export Table Dialog Box](#). They work the same as in the **Connect** pane.

Configure Custom Policy Template

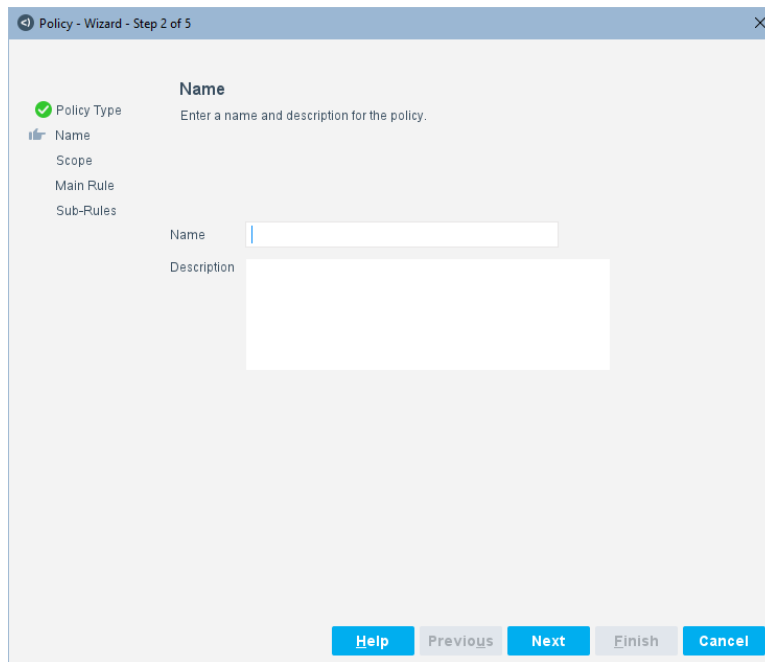
Configure a policy from the custom template.

To configure a custom policy:

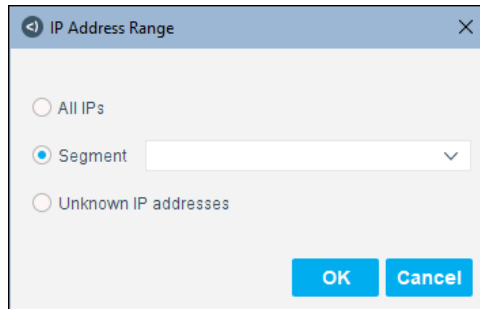
1. In the Forescout Console, select **Policy**.
2. Select **Add** and search for **Custom**.



3. Select **Next**.



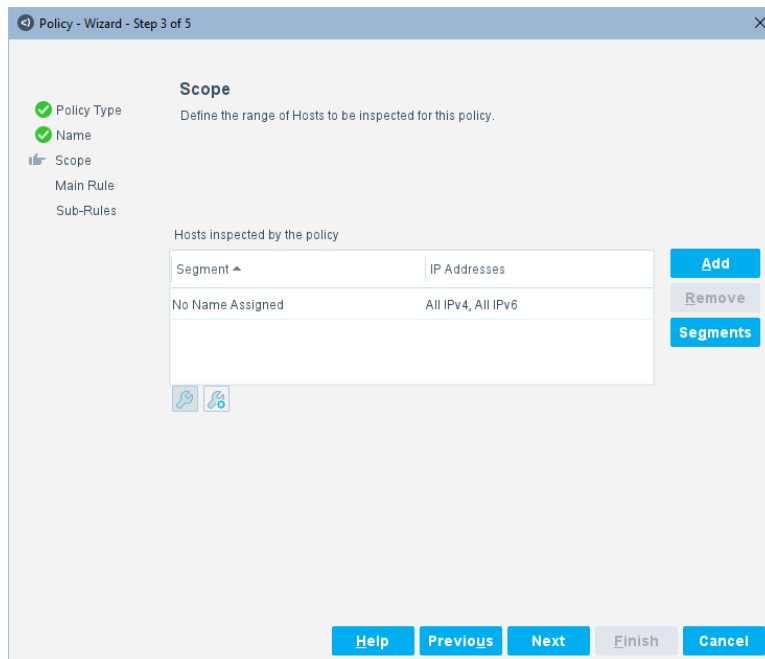
4. Enter a name for the policy. Optionally, enter a description.
5. Select **Next**. Both the IP Address Range dialog box and the Scope pane open.
6. Use the IP Address Range dialog box to define which endpoints are inspected.



The following options are available:

- **All IPs:** Include all IP addresses in the Internal Network.
- **Segment:** Select a previously defined segment of the network. To specify multiple segments, select **OK** or **Cancel** to close this dialog box, and select **Segments** from the Scope pane.
- **Unknown IP addresses:** Apply the policy to endpoints whose IP addresses are not known. Endpoint detection is based on the endpoint MAC address.

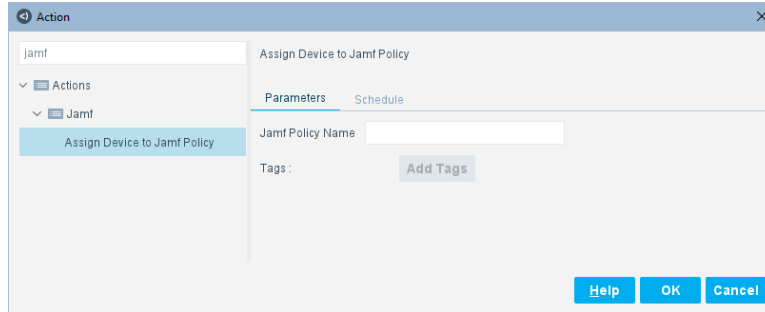
7. Select **OK**. The added range is listed in the Scope pane.



8. Select **Next**.

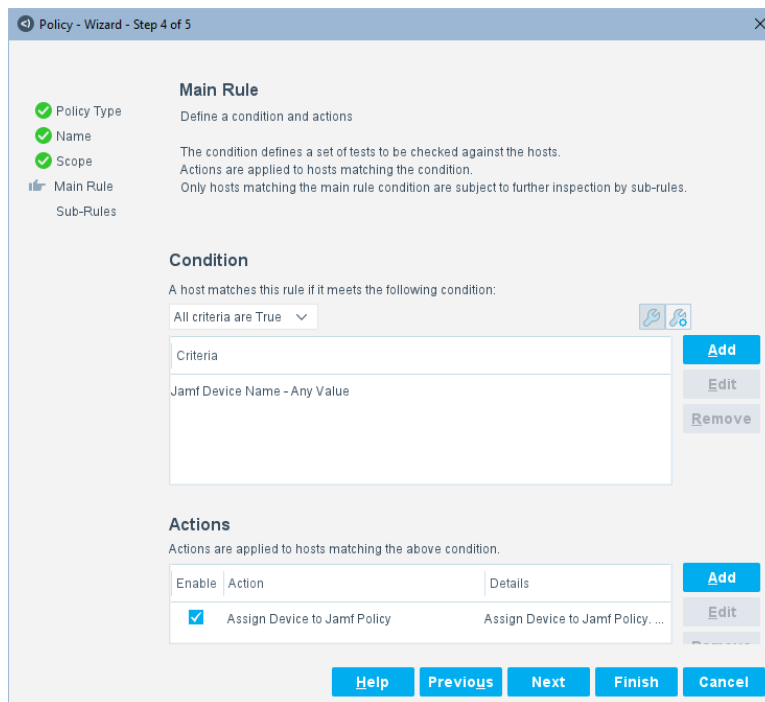
9. To add a condition, select **Add** in the Condition section and search for Jamf to see the properties associated with the app. See [Properties](#) for details.

10. Configure conditions for the policy and then select **OK**.
11. To add an action, select **Add** in the Actions section and search for Jamf to see the actions associated with the app. See [Actions](#) for details.



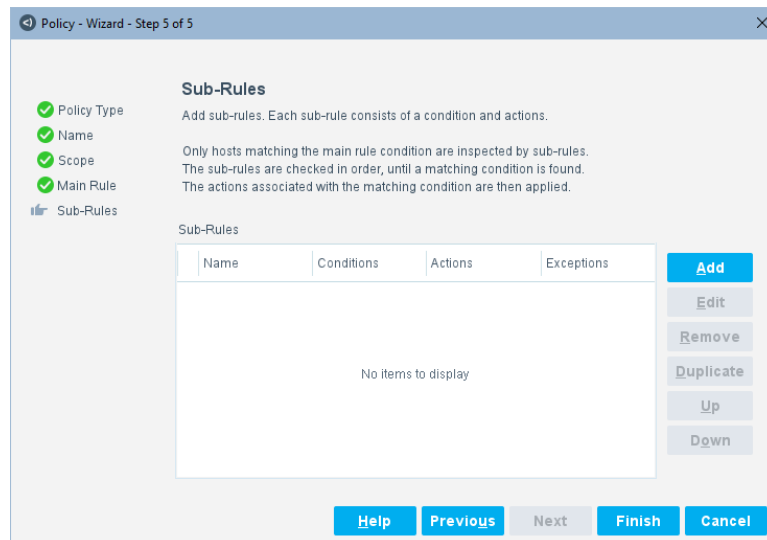
12.Configure actions for the policy and then select**OK**.

13.The configured conditions and actions are displayed in the Main Rule.

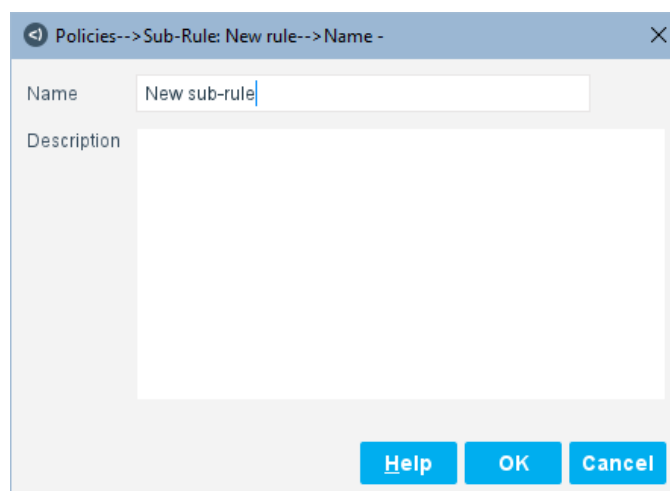


14.If finished, go to step [15](#) or:

a. If you want to configure sub-rules, select**Next**.



b. To add a sub-rule, select **Add** and give the sub-rule a name.



c. Select **OK**.

Policies-->Sub-Rule: New rule -

Name

NameNew sub-rule

Edit

Description

None.

Condition

A host matches this rule if it meets the following condition:

All criteria are True

Criteria

Add

Edit

Remove

No items to display

Actions

Actions are applied to hosts matching the above condition.

Enable

Action

Details

Add

Edit

Remove

No items to display

Advanced

Recheck matchEvery 8 hours, All admissions

ExceptionsNone.

Edit

Help

OK

Cancel

- d. Configure conditions and actions for the sub-rule and select **OK**. See [Properties](#) and [Actions](#) for details.

15. Select **Finish**. The configured policy is displayed in the Policy Manager.

ForeScout Console: Enterprise Manager

File Reports Actions Tools Log Display Help

FORESIGHT

Home Asset Inventory Policy Dashboards

Policy Folders

Policy Manager

jamf

Show subfolder policies

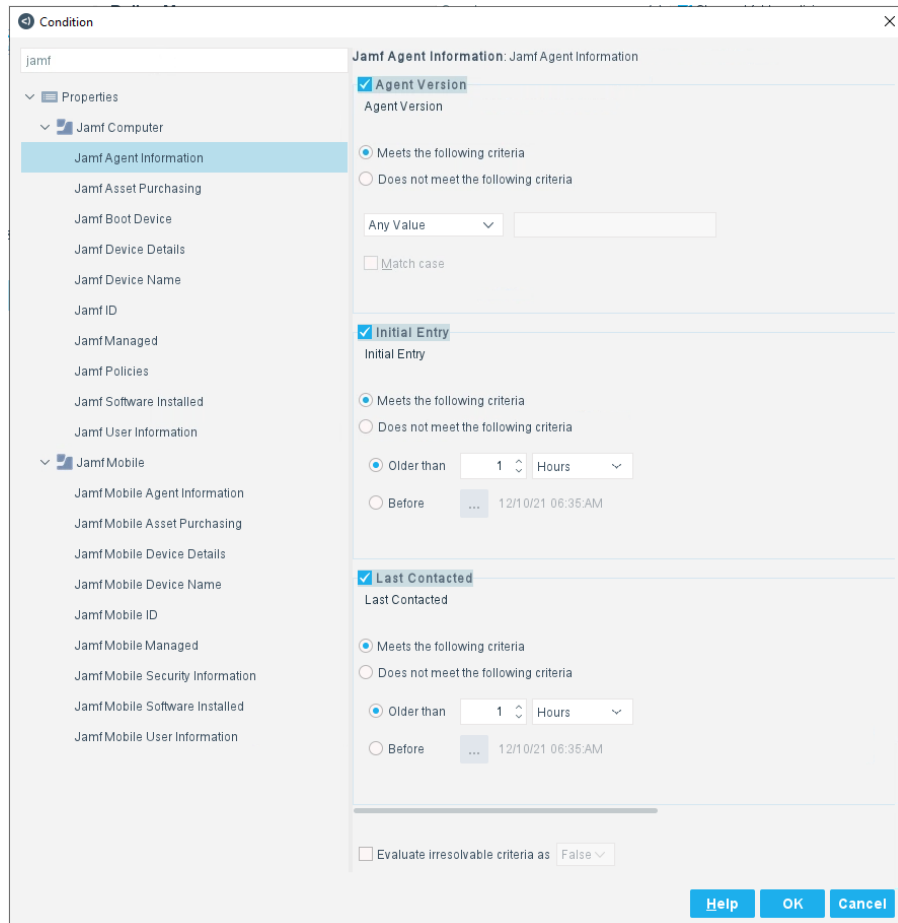
Name	Category	Status	User Scope	Segments	Groups	Exceptions	Conditions	Actions	
Jamf custom policy	None		Complete	All IPv4, All IPv6			Jamf Device Name: Any Value		Add
New sub-rule							Jamf Software Installed: Any Value		Edit
									Categorize

Properties

Jamf properties are available to be used in a policy.

To access the Jamf properties:

1. When configuring a policy, select **Add** in the Condition section of the Main Rule or Sub-Rule dialog box.
2. Expand the Jamf folders and select a property.



Jamf properties are divided into 2 groups, one for managed Computers and one for managed Mobile Devices. The following Computer properties are available:

Jamf Agent Information	<p>The Jamf agent information.</p> <p>The following sub-properties are available:</p> <ul style="list-style-type: none"> ▪ Agent Version ▪ Initial Entry ▪ Last Contacted
Jamf Asset Purchasing	<p>The Jamf asset purchasing information.</p> <p>The following sub-properties are available:</p> <ul style="list-style-type: none"> ▪ Leased ▪ Purchased
Jamf Boot Device	<p>The Jamf boot device.</p> <p>The following sub-properties are available:</p>

	<ul style="list-style-type: none"> FileVault Status Name Size FileVault Percent Percentage Full
Jamf Device Details	<p>The Jamf device details.</p> <p>The following sub-properties are available:</p> <ul style="list-style-type: none"> Memory (Total) Operating System Serial Number Make Battery Capacity Processor Speed Model Operating System Version Processor Type Operating System Build Processor Cores (Total) Processor Architecture Processors (Total)
Jamf Device Name	The Jamf device name.
Jamf ID	The Jamf ID, which can be entered as a single number, a list of numbers, or a range of numbers.
Jamf Managed	The device is or is not managed by Jamf.
Jamf Policies	The Jamf policies.
Jamf Software Installed	The Jamf software installed.
Jamf User Information	<p>The Jamf user information.</p> <p>The following sub-properties are available:</p> <ul style="list-style-type: none"> Real Name Email Address Username Phone number Position

The following Mobile Device properties are available:

Jamf Mobile Agent Information	<p>The Jamf mobile agent information.</p> <p>The following sub-properties are available:</p> <ul style="list-style-type: none"> Agent Version Initial Entry Last Contacted
--------------------------------------	---

Jamf Mobile Asset Purchasing	The Jamf mobile asset purchasing information. The following sub-properties are available: <ul style="list-style-type: none"> ▪ Leased ▪ Purchased
Jamf Mobile Device Details	The Jamf mobile device details. The following sub-properties are available: <ul style="list-style-type: none"> ▪ Capacity ▪ OS Type ▪ Serial Number ▪ Phone Number ▪ UDID ▪ Model ▪ OS Version ▪ Model Number ▪ OS Build ▪ Model Identifier
Jamf Mobile Device Name	The Jamf mobile device name.
Jamf Mobile ID	The Jamf ID for the mobile device, which can be entered as a single number, a list of numbers, or a range of numbers.
Jamf Mobile Managed	The device is or is not managed by Jamf.
Jamf Mobile Security Information	The Jamf mobile security information. The following sub-properties are available: <ul style="list-style-type: none"> ▪ Data Protection Enabled ▪ Passcode Present ▪ Passcode Compliant ▪ Hardware Encryption ▪ Activation Lock Enabled ▪ Lost Mode Enabled ▪ Lost Mode Enforced ▪ Lost Mode Enabled Issued Date ▪ Jailbreak Detected
Jamf Mobile Software Installed	The Jamf software installed.
Jamf Mobile User Information	The Jamf user information. The following sub-properties are available: <ul style="list-style-type: none"> ▪ Real Name ▪ Email Address ▪ Username ▪ Phone number ▪ Position

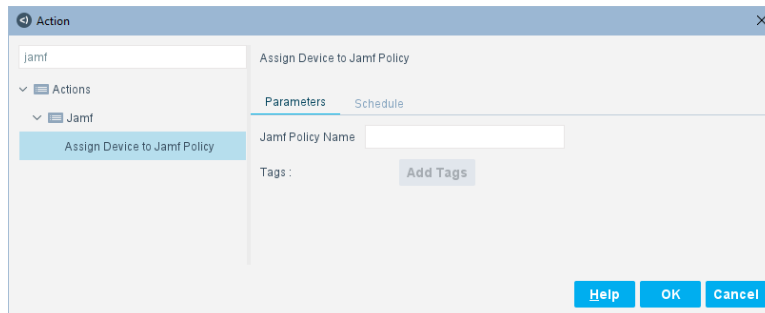
3. Configure conditions for the policy and then select **OK**.

Actions

Jamf actions are available to be used in a policy. This action is specific to Computers.

To access the Jamf actions:

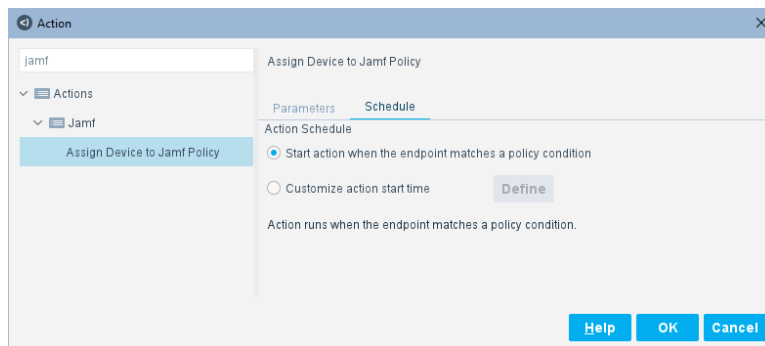
1. When configuring a policy, select **Add** in the Actions section of the Main Rule or Sub-Rule dialog box.
2. Expand the Jamf folder and select an action.



The following action is available:

Assign Device to Jamf Policy	Assign a device to a Jamf policy by inputting the policy name as a parameter in the user interface.
-------------------------------------	---

3. To schedule the action, select the Schedule tab.



4. In the Action Schedule section, select one of the following:
 - **Start action when the endpoint matches a policy condition**, which implements the policy when the policy conditions are met by the endpoint.
 - **Customize action start time**, which opens the Action Scheduler dialog box.

The screenshot shows the 'Action Scheduler' dialog box with the following configuration:

- Start:**
 - ☒ Immediately (on policy match)
 - ☐ Wait for: 1 Seconds
 - ☐ On: Mar 4, 2020 at 4:43 PM
- Recurrence pattern:**
 - ☒ On action start
 - ☐ Every: 1 Seconds
 - ☐ Scheduled: Define
- Range of recurrence:**
 - ☒ No end date
 - ☐ End after: 1 Seconds
 - ☐ End after: 10 occurrences
 - ☐ End on: Mar 4, 2020 at 4:43 PM

Buttons at the bottom: Help, OK, Cancel.

5. Select **OK** in each dialog box to complete the configuration of the action.