



ForeScout

eyeExtend Connect Module: Jamf App

Configuration Guide

Version 1.0



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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 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.

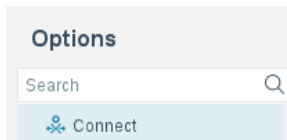
This app is for those Forescout platform users that have Jamf Pro in their environment and want to integrate it with the Forescout platform.

Requirements

- Forescout version 8.2
- Jamf Pro

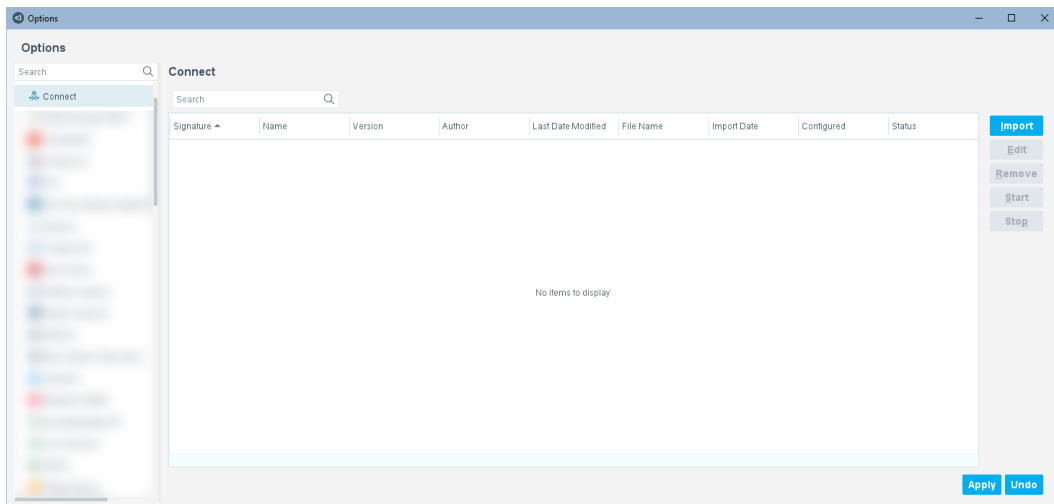
User Interface Overview

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.

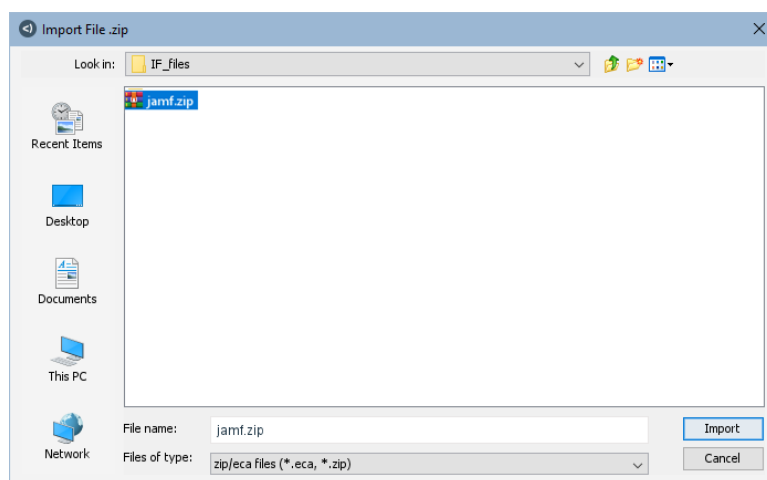


The buttons on the **Connect** pane are as follows:

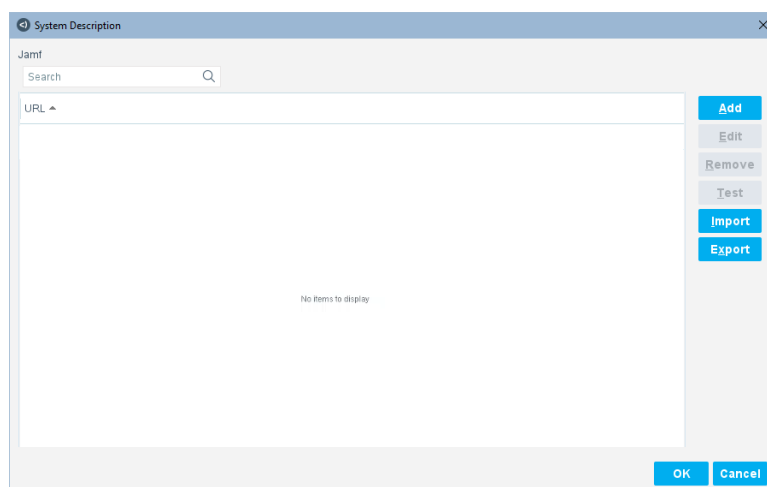
Button	Description
Import	Import an app
Edit	Edit an app
Remove	Remove an app
Start	Start an app
Stop	Stop an app

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

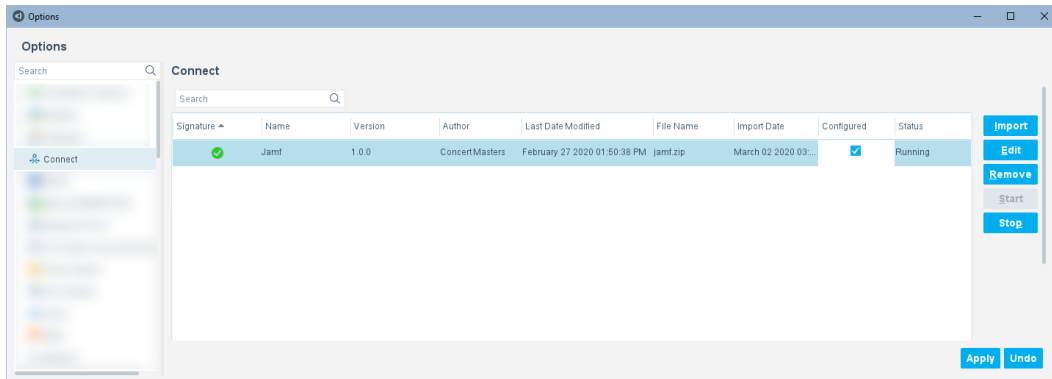
Select **Import** to import the app into Connect. Apps are in zip or eca format. They can be in any folder.



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.



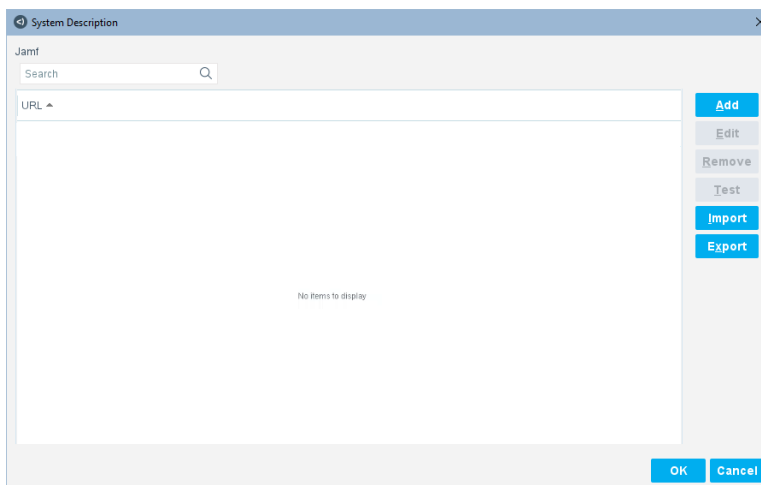
*Third-party vendor integrations are displayed inside the **Connect** pane, not on the left under **Options**.*

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.



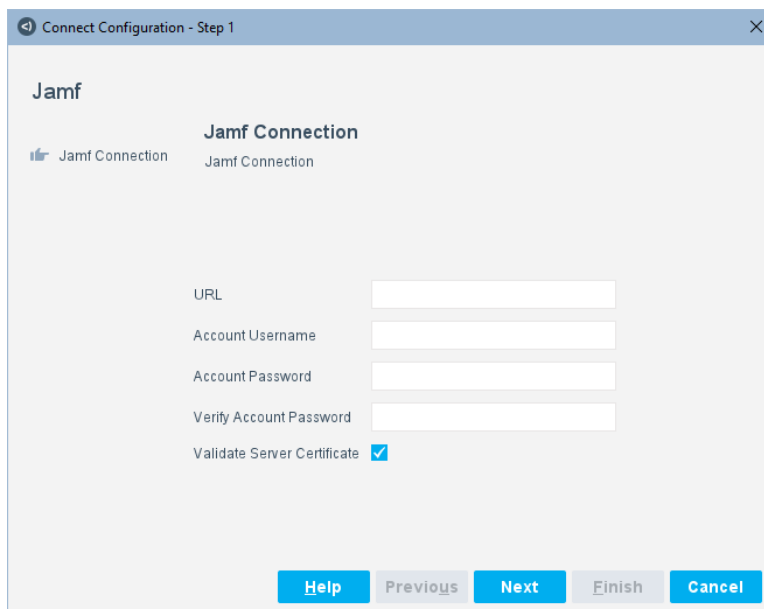
The buttons on the **System Description** dialog box are as follows:

Button	Description
Add	Add a system description
Edit	Edit a system description

Button	Description
Remove	Remove a system description
Test	Test a system description
Import	Import a system description
Export	Export a system description

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.



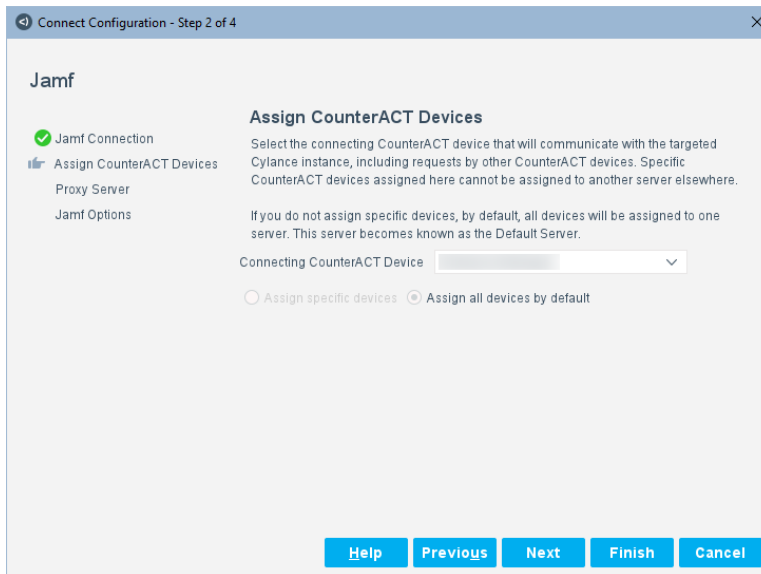
The screenshot shows a dialog box titled "Connect Configuration - Step 1" with a close button (X) in the top right corner. The main content area is titled "Jamf" and "Jamf Connection". Below the title, there is a section labeled "Jamf Connection" with a small icon of a person. The form contains the following fields and controls:

- URL: A text input field.
- Account Username: A text input field.
- Account Password: A text input field.
- Verify Account Password: A text input field.
- Validate Server Certificate: A checkbox that is checked.

At the bottom of the dialog box, there are five buttons: "Help", "Previous", "Next", "Finish", and "Cancel".

The user configuring the system description enters the information on the panel.

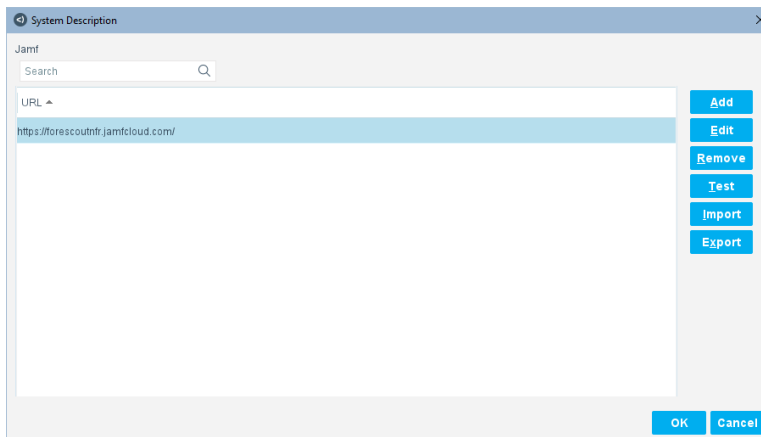
Select **Next** to display the next configuration panel.



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**.

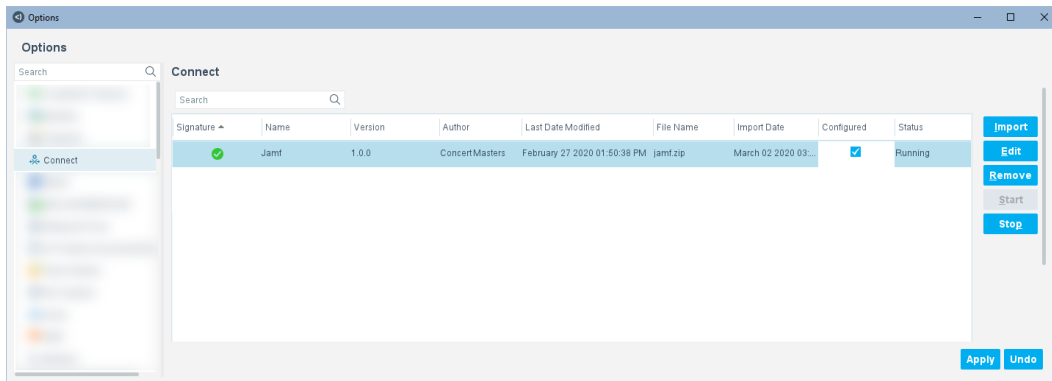
User Interface Details

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.

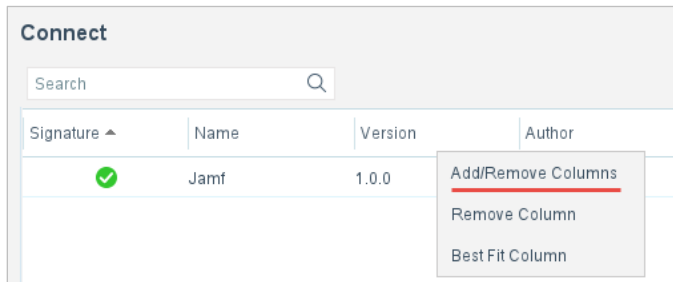


Columns in Connect Pane

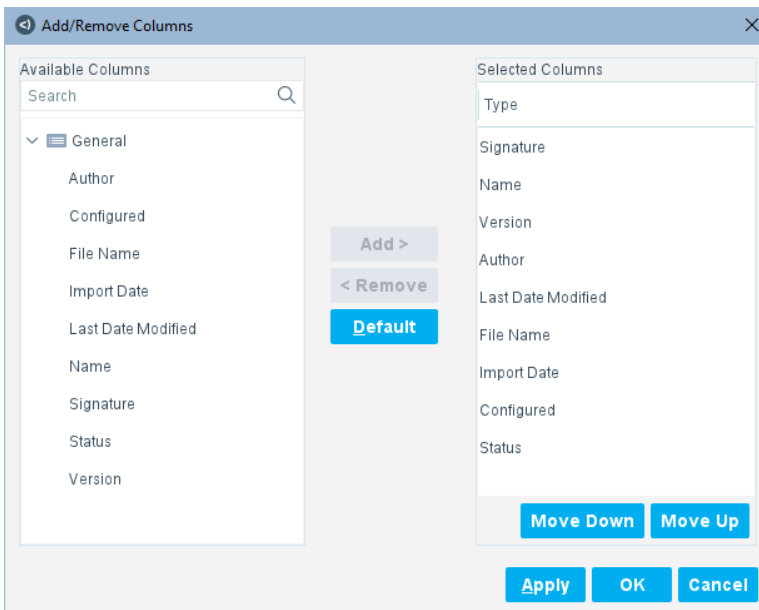
There are several default columns in the **Connect** pane as follows:

- **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

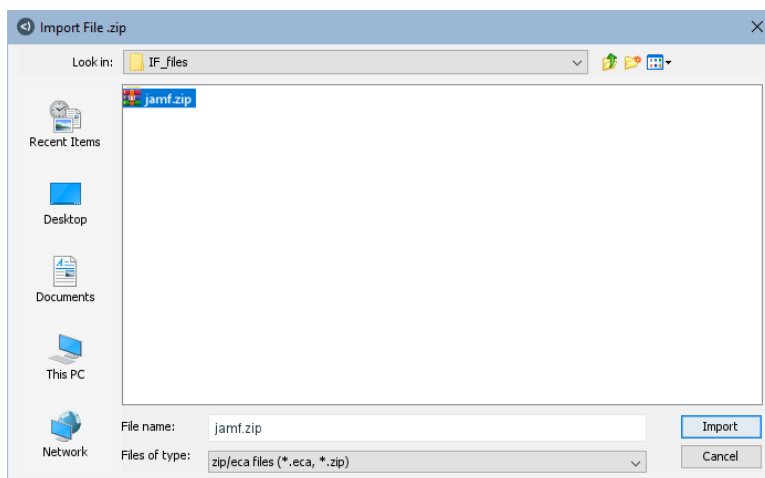
Button	Description
Start	Start an App
Stop	Stop an App

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

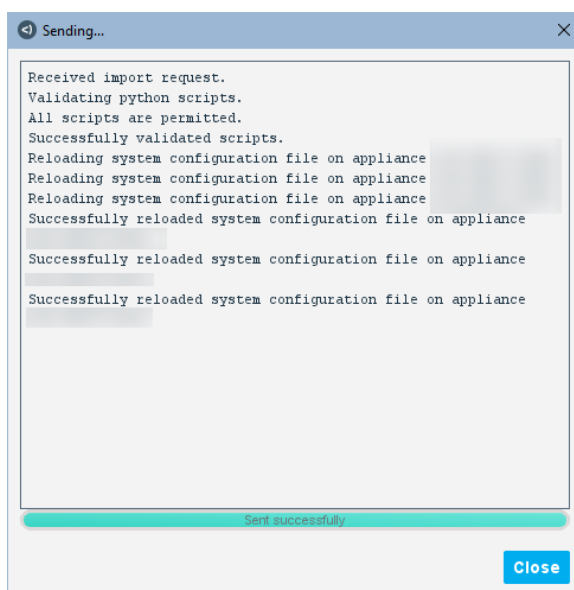
Button	Description
Apply	Save the Connect configuration to the CounterACT Appliance. See Apply Changes .
Undo	Undo the previous action performed in Connect.

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.

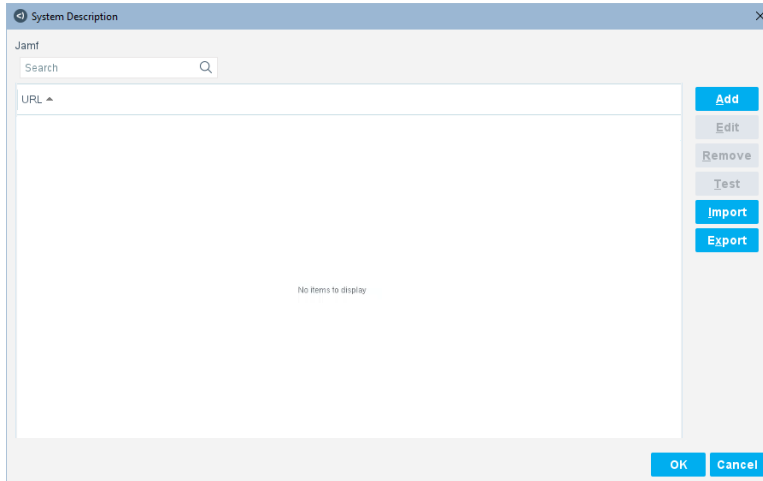


If the app has been imported successfully, a message is displayed at the bottom of the **Sending** dialog box.

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.



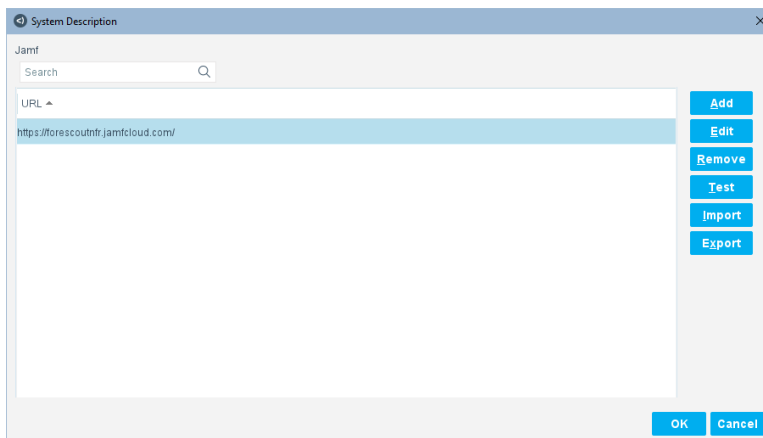
The maximum number of apps that can be imported is 22.

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.

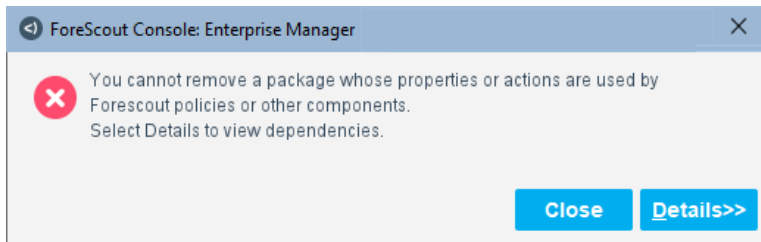


Remove an App

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.

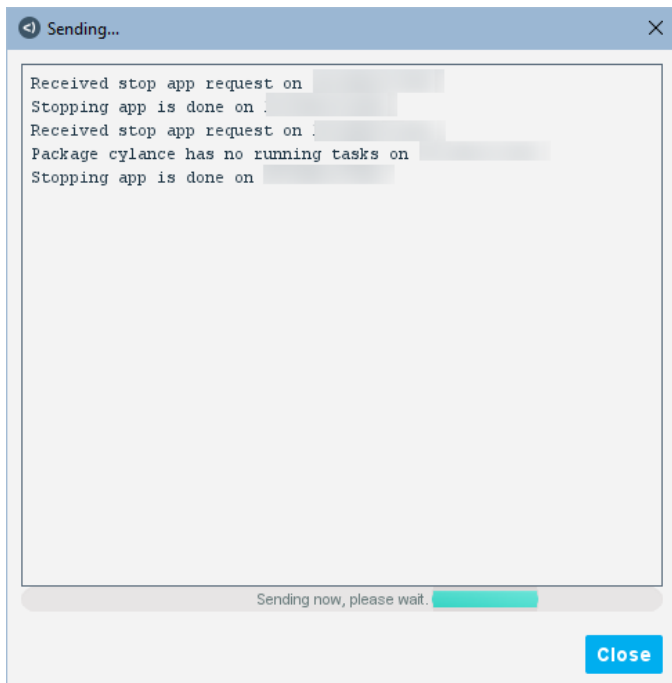
If the configuration has not been saved, select **Apply** and then select **Start**.

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.



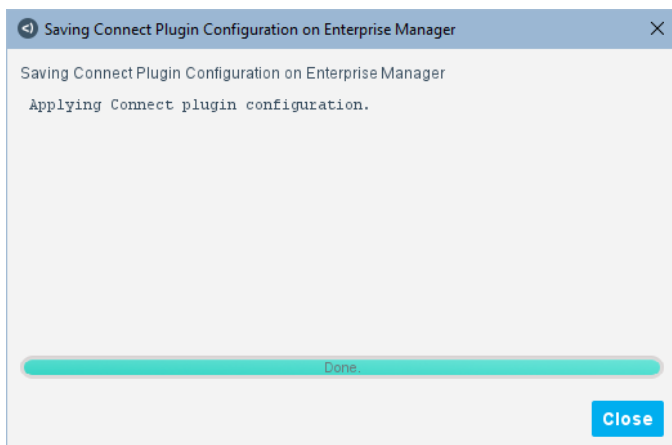
When a selected app is not running, the **Stop** button is disabled. After an app is stopped, a status of Stopped is displayed in the **Connect** pane.

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

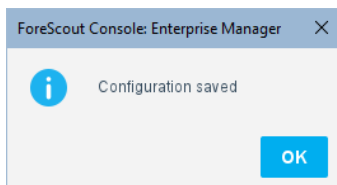
If the configuration has not been saved, select **Apply** and then select **Start**.

Apply Changes

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



Select **Close**.

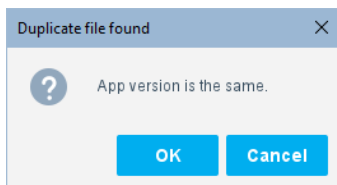


Select **OK**.

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.

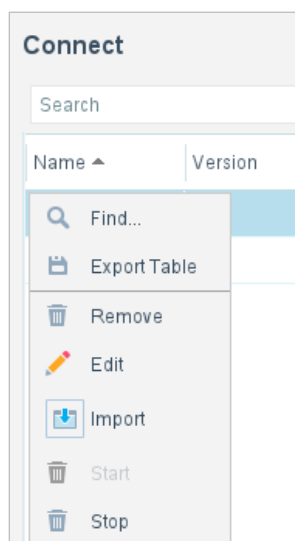
An error message is displayed if you try to import an app with the same name and version as an existing app.



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](#).



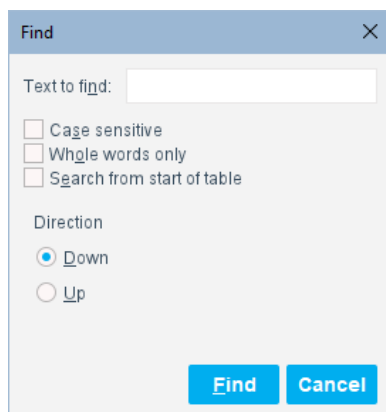
For **Find** and **Export Table**, see [Find Dialog Box](#) and [Export Table Dialog Box](#).

Find Dialog Box

Find a string on the window.

To find a string:

1. Select **Find**.



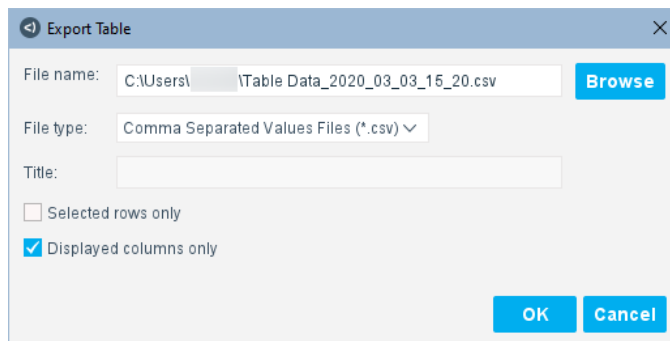
2. Enter the text to find, select options or direction, and then select **Find**.

Export Table Dialog Box

Export the window contents to a spreadsheet.

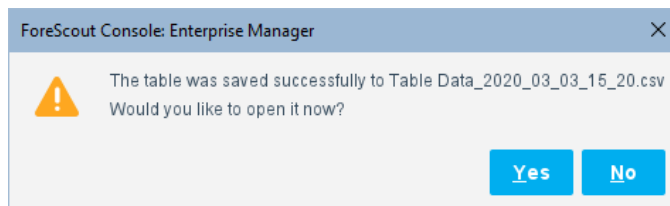
To export a table:

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.



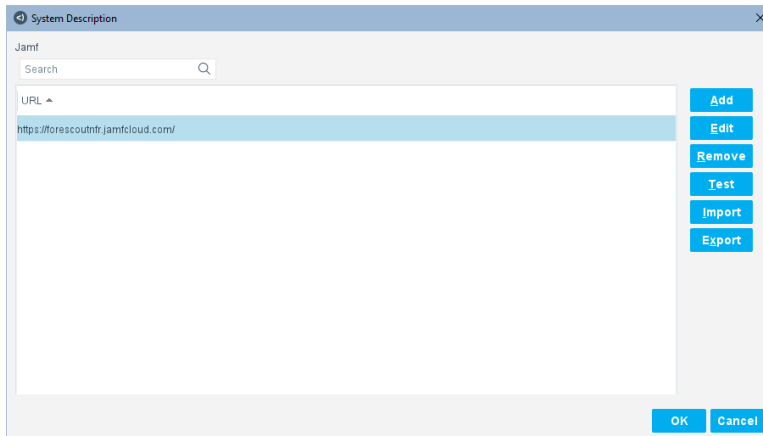
4. Select **Yes**. The table data opens in an Excel spreadsheet. The spreadsheet has a default name based on the date and time.

The screenshot shows an Excel spreadsheet titled "Table Data_2020_03_03_12_27.csv - Excel". The ribbon includes tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help, and Acrobat. The Home tab is active, showing options for Clipboard, Font, Alignment, Number, and Styles. The spreadsheet has columns A through I. The first row contains headers: Signature, Name, Version, Author, Last Date Modified, File Name, Import Date, Configured, and Status. The second row contains data: Valid Forescout signature, Jamf, 1.0.0, Concert Masters, February 27 2020 01:50:38 PM, jamf.zip, March 02 2020 03, TRUE, and Running.

	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

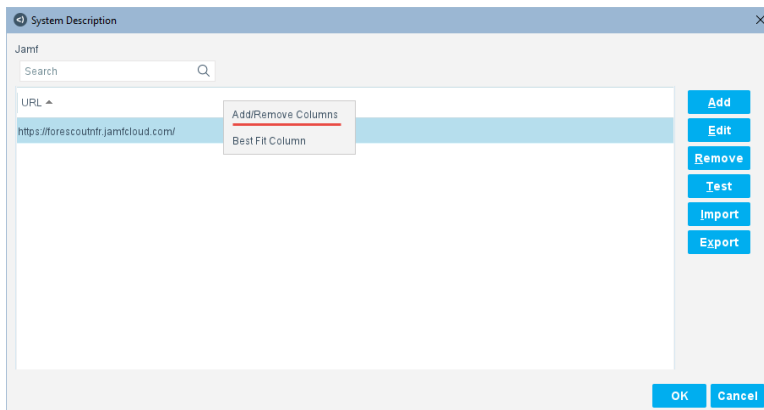
System Description Dialog Box Details

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

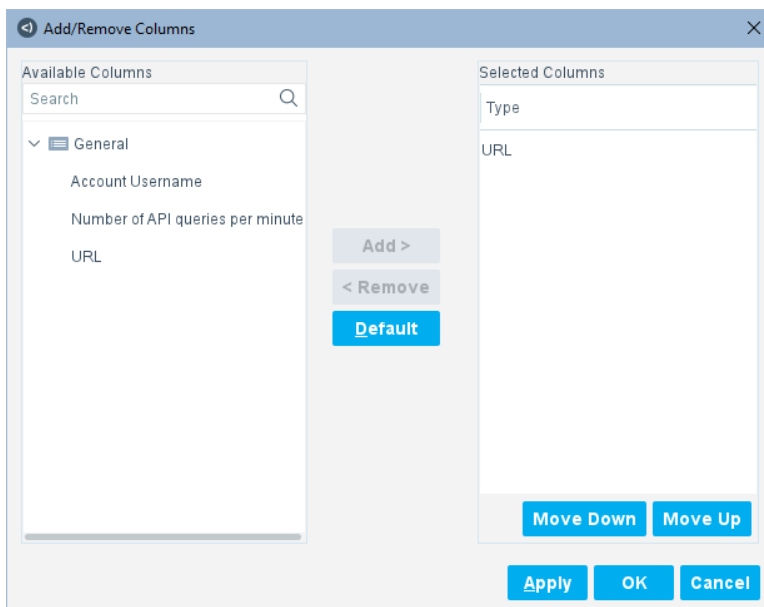


Columns in System Description Dialog Box

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.

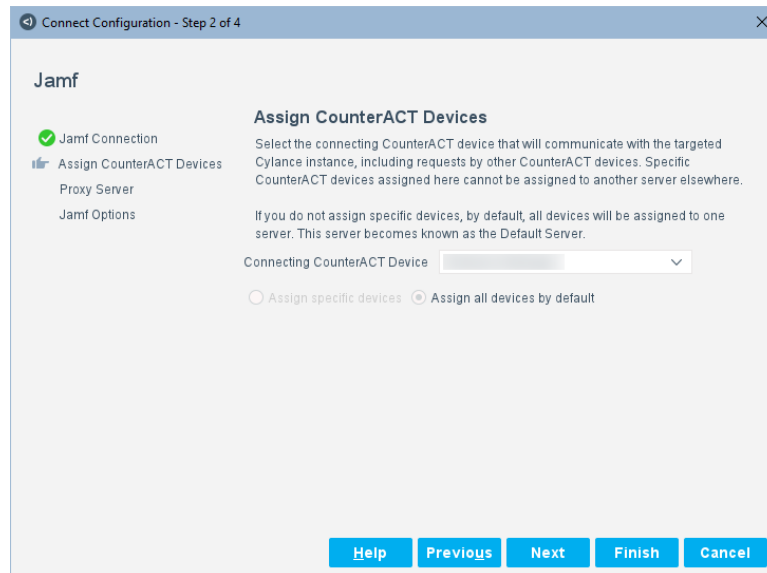
The screenshot shows a window titled "Connect Configuration - Step 1". Inside, there's a section for "Jamf" with a "Jamf Connection" sub-section. Below this, there are four input fields: "URL", "Account Username", "Account Password", and "Verify Account Password". A checkbox labeled "Validate Server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

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



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.

Connect Configuration - Step 2 of 4

Jamf

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

Assign CounterACT Devices

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.

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.

Connecting CounterACT Device:

☒ Assign specific devices ☐ Assign all devices by default

Available Devices

Search

- CounterACT Devices
 - Enterprise Manager
 - Appliances

Selected Devices

Search

1 items (0 selected)

4. 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	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.

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.

Connect Configuration - Step 3 of 4

Jamf

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

Proxy Server
Select a Proxy Server device to manage all communication between CounterACT and Jamf.

Use Proxy Server ☐

Proxy Server

Proxy Server Port

Proxy Server Username

Proxy Server Password

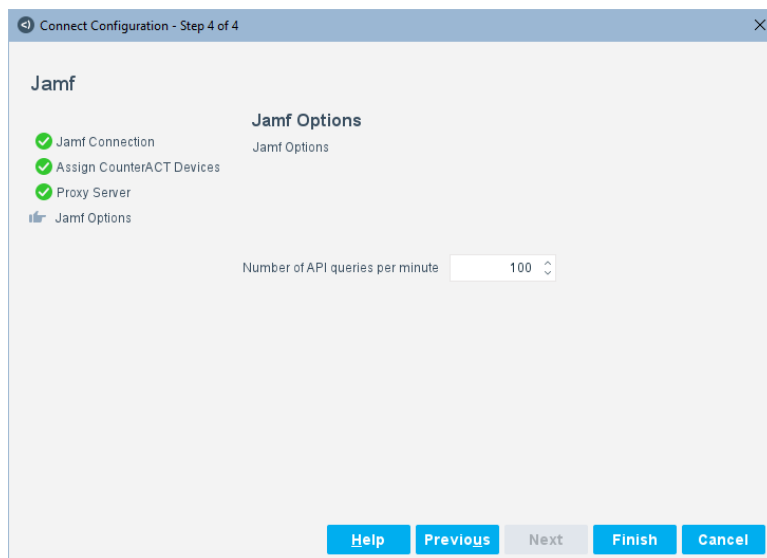
Verify Proxy Server Password

[Help](#) [Previous](#) [Next](#) [Finish](#) [Cancel](#)

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.

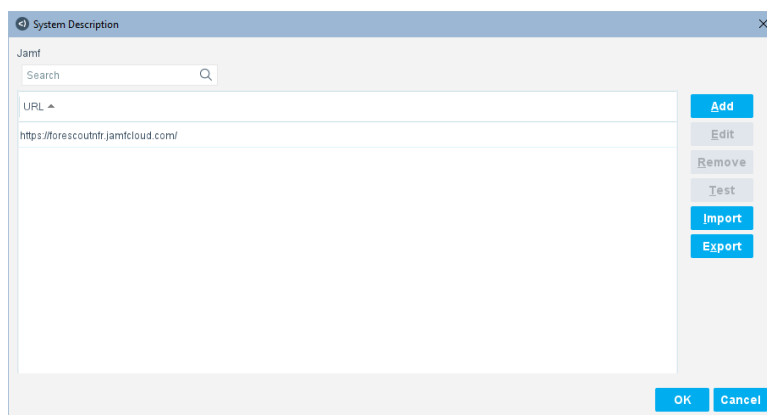


8. Enter the following information for the predefined field on the panel:

Number of API queries per minute	Select a value for the rate limiter.
---	--------------------------------------

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.

The screenshot shows the 'Connect Configuration' dialog box with the 'Edit Jamf Configuration' tab selected. The 'Jamf Connection' sub-tab is active, displaying fields for URL, Account Username, Account Password, Verify Account Password, and a checked 'Validate Server Certificate' checkbox. The URL field contains 'https://forescoutnfr.jamfcloud.com/'. At the bottom right are 'Help', 'OK', and 'Cancel' buttons.

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.

The screenshot shows the 'Remove Device' confirmation dialog box. It features a warning icon and the text 'Are you sure you want to remove this device?'. There are three buttons: 'Ok', 'Cancel', and 'More>>'.

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

Scenarios for Remove

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

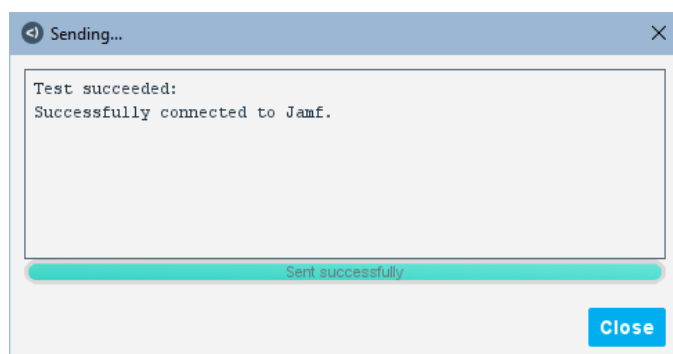
Description	Result
The system description being removed has the connecting appliance as the default appliance.	If there is only one system description and it is the default, the remove is allowed.
	If there are two system descriptions, the remove is allowed and the connecting appliance is assigned as 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

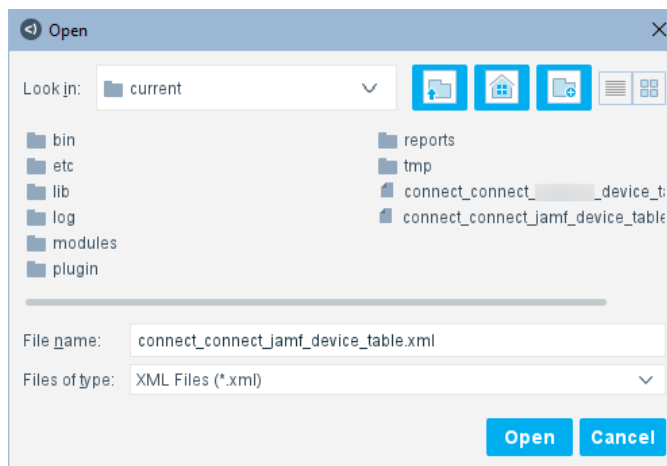
Import a saved backup of the configuration. The only supported format is .xml.

To import a system description:

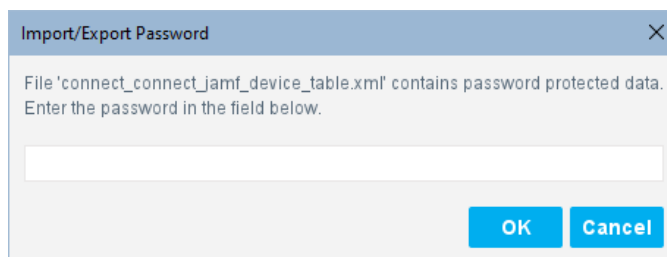
1. Select **Import**.



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

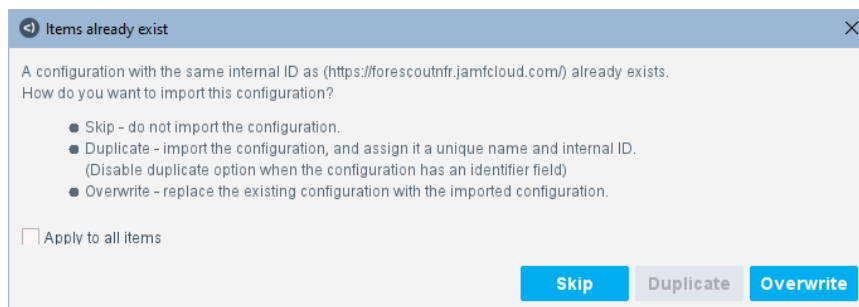


3. Select **Open**.
4. Select **OK** in the **Import** dialog box.
 - a. If the device to be imported contains encrypted fields for passwords, the **Import/Export Password** dialog box opens and prompts you to enter a password with which to encrypt the data.



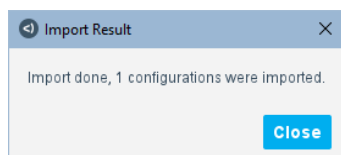
- b. Enter the password that you used when you exported the configuration and select **OK**. See [Export a System Description](#).

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



The **Duplicate** button may 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.

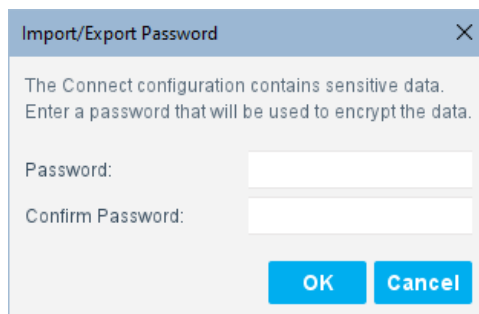
Description	Result
The imported system description has the default appliance assigned, but the default appliance is not found. For example, the system description might have originated elsewhere.	If no system description has been configured yet, the import is allowed and the Enterprise Manager is set 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.

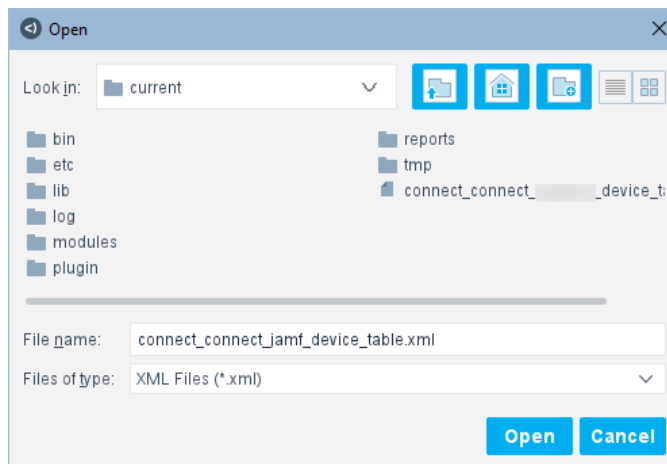


- b. Enter the password.

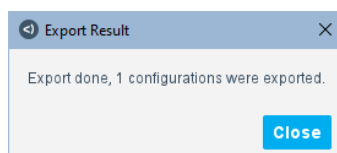
2. The **Export Table** dialog box opens. You can select to export the **Selected rows only**.




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



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

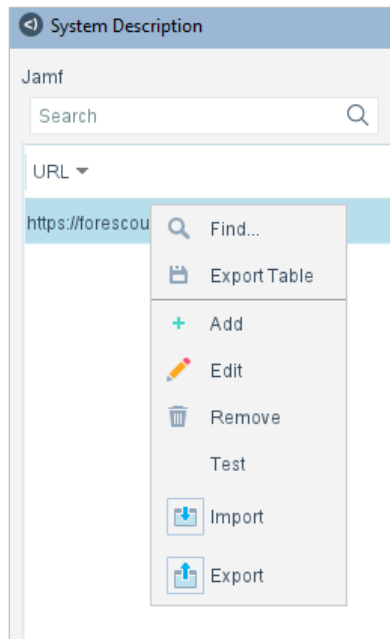


6. Select **Close**.
-  *There is no Export for an app.*

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**.

Policy - Wizard - Step 1

Policy Type
Create a policy using a template or create a custom policy.

Templates
Custom

Custom
The custom policy wizard allows you to define policies for which no template exists.
When defining a policy, you need to consider the following:

- What hosts are subject to the policy
- What conditions should be tested against these hosts
- What actions should be applied if the conditions are met

As an example, consider a simple policy requiring all corporate Windows machines to run an antivirus. In this case, the condition would be

OS is Windows AND Machine is Managed AND NOT Antivirus is running

The actions associated with hosts matching this condition can be "HTTP Notifications" and "Send email to the Help desk".

Sometimes the policy is more complex, and divides the network into multiple categories, each requiring a different set of actions. You can use a compound policy combining multiple sub-rules to cope with such cases.

Help Previous Next Finish Cancel

3. Select **Next**.

Policy - Wizard - Step 2 of 5

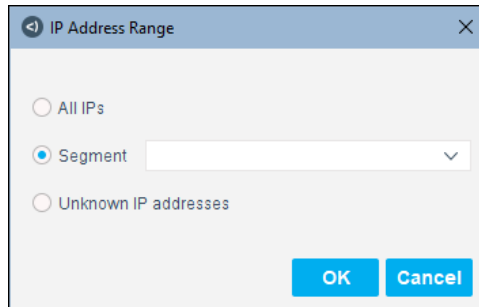
Name
Enter a name and description for the policy.

Policy Type
Name
Scope
Main Rule
Sub-Rules

Name
Description

Help Previous Next Finish Cancel

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.

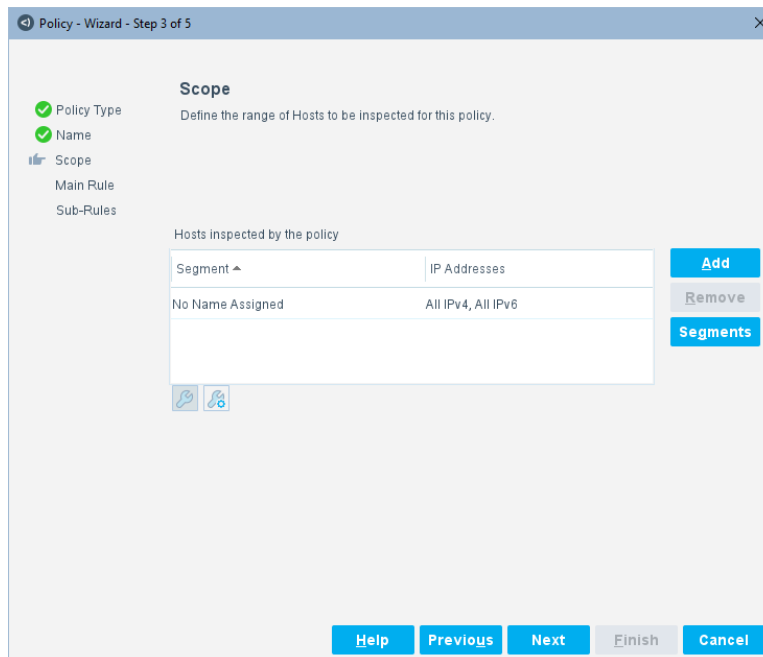


The IP Address Range dialog box has a title bar with a back arrow, "IP Address Range", and a close button. It contains three radio button options: "All IPs", "Segment" (which is selected), and "Unknown IP addresses". The "Segment" option is followed by a dropdown menu. At the bottom right are "OK" and "Cancel" buttons.

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.



The "Policy - Wizard - Step 3 of 5" window shows the "Scope" section. On the left is a sidebar with a tree view containing "Policy Type" (checked), "Name" (checked), "Scope" (selected), "Main Rule", and "Sub-Rules". The main area is titled "Scope" with the instruction "Define the range of Hosts to be inspected for this policy." Below this is a table titled "Hosts inspected by the policy".

Segment ^	IP Addresses
No Name Assigned	All IPv4, All IPv6

Below the table are two lock icons. To the right of the table are three buttons: "Add", "Remove", and "Segments". At the bottom of the window are five buttons: "Help", "Previous", "Next", "Finish", and "Cancel".

8. Select **Next**.

Policy - Wizard - Step 4 of 5

☒ Policy Type
☒ Name
☒ Scope
☒ Main Rule
☐ Sub-Rules

Main Rule
Define a condition and actions

The condition defines a set of tests to be checked against the hosts. Actions are applied to hosts matching the condition. Only hosts matching the main rule condition are subject to further inspection by sub-rules.

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

All criteria are True

Criteria

No items to display

Actions
Actions are applied to hosts matching the above condition.

Enable Action Details

No items to display

Help Previous Next Finish Cancel

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.

Condition

jamf

- Properties
- Jamf
 - Jamf Agent Information
 - Jamf Asset Purchasing
 - Jamf Boot Device
 - Jamf Device Details
 - Jamf Device Name
 - Jamf ID
 - Jamf Managed
 - Jamf Policies
 - Jamf Software Installed
 - Jamf User Information

Jamf Agent Information: Jamf Agent Information

☒ Agent Version

Agent Version

☒ Meets the following criteria

☐ Does not meet the following criteria

Any Value

☐ Match case

☒ Initial Entry

Initial Entry

☒ Meets the following criteria

☐ Does not meet the following criteria

☒ Older than 1 Hours

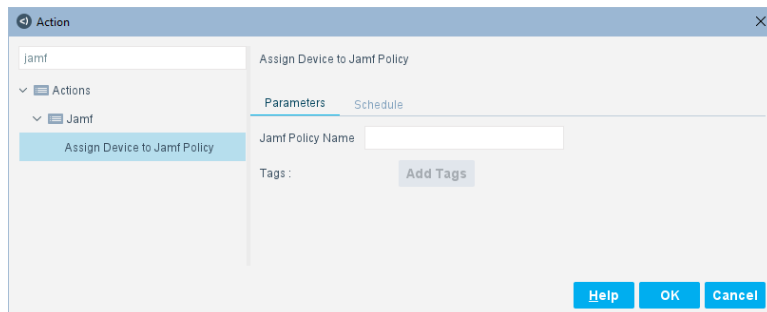
☐ Before 03/04/20 02:06 PM

☐ Evaluate irresolvable criteria as False

Help OK Cancel

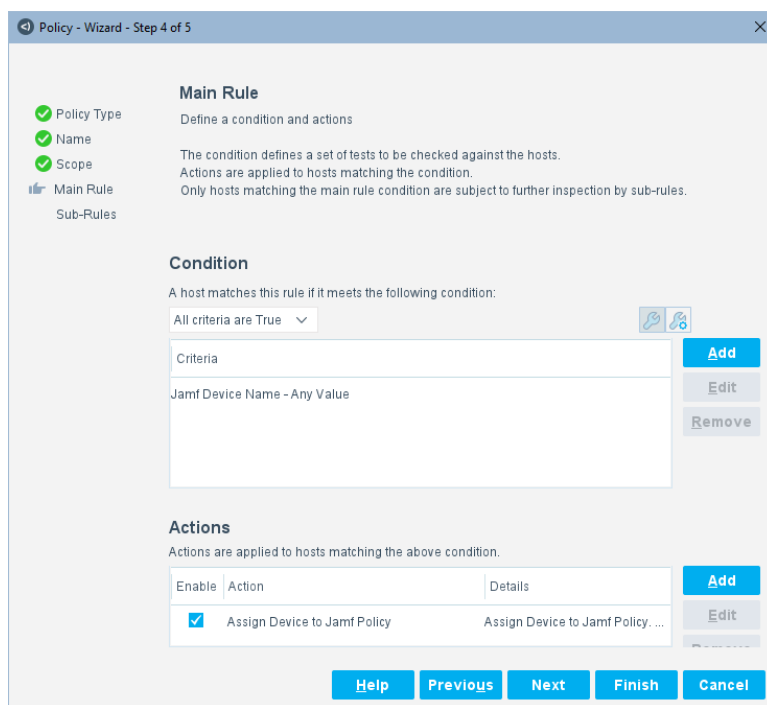
10. Configure conditions for the policy and then select **OK**.

- 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**.

The screenshot shows a window titled "Policy - Wizard - Step 5 of 5". On the left, a sidebar lists configuration steps: "Policy Type", "Name", "Scope", "Main Rule", and "Sub-Rules" (which is selected and highlighted with a blue bar). The main area is titled "Sub-Rules" and contains the following text: "Add sub-rules. Each sub-rule consists of a condition and actions." and "Only hosts matching the main rule condition are inspected by sub-rules. The sub-rules are checked in order, until a matching condition is found. The actions associated with the matching condition are then applied." Below this text is a table with the following headers: "Name", "Conditions", "Actions", and "Exceptions". The table is currently empty, with the text "No items to display" centered below it. To the right of the table are several buttons: "Add", "Edit", "Remove", "Duplicate", "Up", and "Down". At the bottom of the window are navigation buttons: "Help", "Previous", "Next", "Finish", and "Cancel".

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

The screenshot shows a dialog box titled "Policies--> Sub-Rule: New rule--> Name -". It has a "Name" field with the text "New sub-rule" entered, and a "Description" field which is empty. At the bottom of the dialog are three buttons: "Help", "OK", and "Cancel".

c. Select **OK**.

Policies-->Sub-Rule: New rule -

Name
 Name: New sub-rule
 Description: None.
 Edit

Condition
 A host matches this rule if it meets the following condition:
 All criteria are True
 Add
 Edit
 Remove

Actions
 Actions are applied to hosts matching the above condition.
 Add
 Edit
 Remove

Advanced
 Recheck match: Every 8 hours, All admissions
 Exceptions: None.
 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.

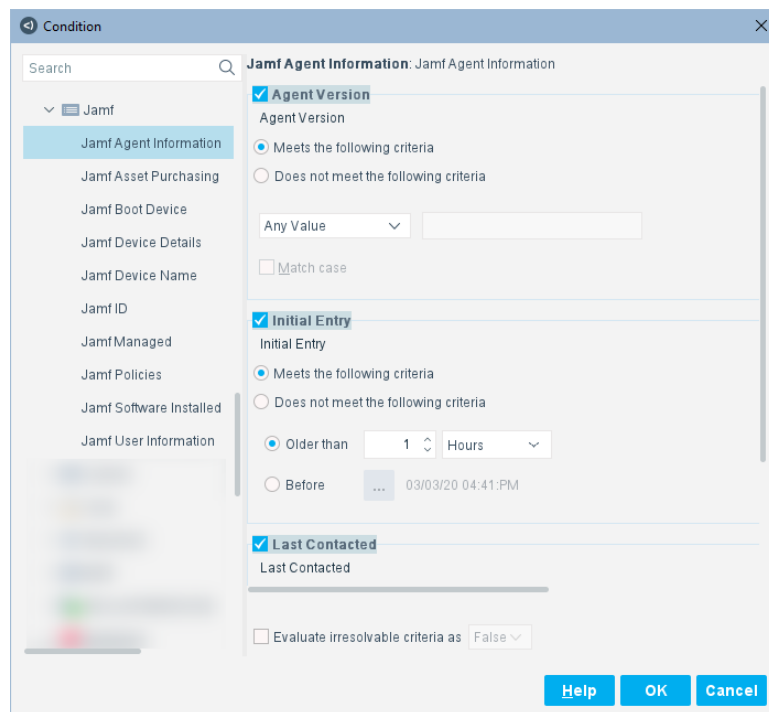
Name	Category	Status	User Scope	Segments	Groups	Exceptions	Conditions	Actions
Jamf custom policy	None	Complete	All IPv4, All IPv6				Jamf Device Name: Any Value Jamf Software Installed: Any Value	
New sub-rule								

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 folder and select a property.



The following 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

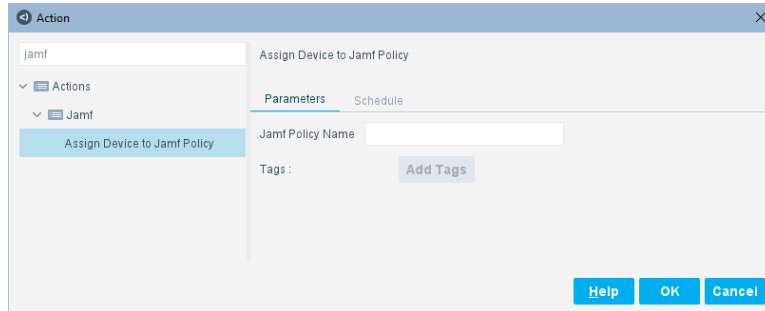
3. Configure conditions for the policy and then select **OK**.

Actions

Jamf actions are available to be used in a policy.

To access the Jamf actions:

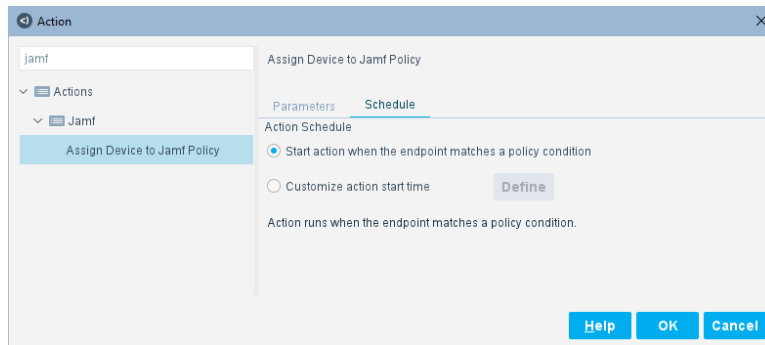
1. When configuring a policy, select **Add** in the Actions section of the Main Rule or Sub-Rule dialog box.
2. Expand the Jamf folder and select an action.



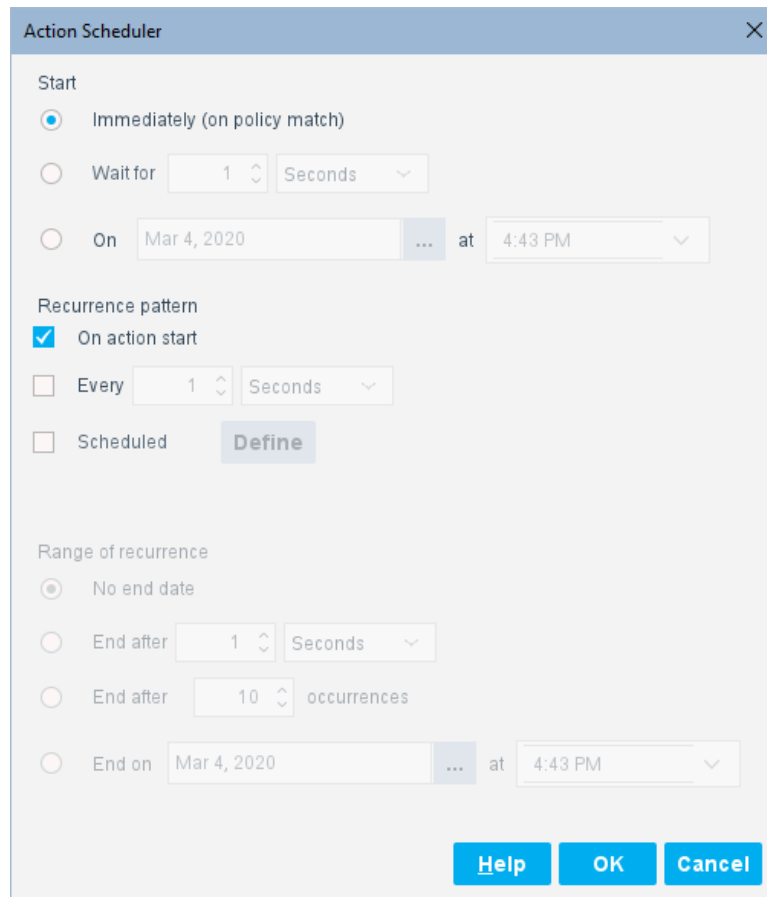
The following action is available:

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 image shows a dialog box titled "Action Scheduler" with a close button (X) in the top right corner. The dialog is divided into several sections:

- Start:** Contains three radio button options:
 - ☒ Immediately (on policy match)
 - ☐ Wait for: A numeric input field with "1" and a "Seconds" dropdown menu.
 - ☐ On: A date input field with "Mar 4, 2020", an ellipsis button "...", the word "at", and a time input field with "4:43 PM" and a dropdown arrow.
- Recurrence pattern:** Contains three radio button options:
 - ☒ On action start
 - ☐ Every: A numeric input field with "1" and a "Seconds" dropdown menu.
 - ☐ Scheduled: A button labeled "Define".
- Range of recurrence:** Contains four radio button options:
 - ☒ No end date
 - ☐ End after: A numeric input field with "1" and a "Seconds" dropdown menu.
 - ☐ End after: A numeric input field with "10" and the text "occurrences".
 - ☐ End on: A date input field with "Mar 4, 2020", an ellipsis button "...", the word "at", and a time input field with "4:43 PM" and a dropdown arrow.

At the bottom right of the dialog are three buttons: "Help", "OK", and "Cancel".

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