

Quick Start

Onboard SRX Series Firewalls to Security Director Cloud

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Step 1: Begin

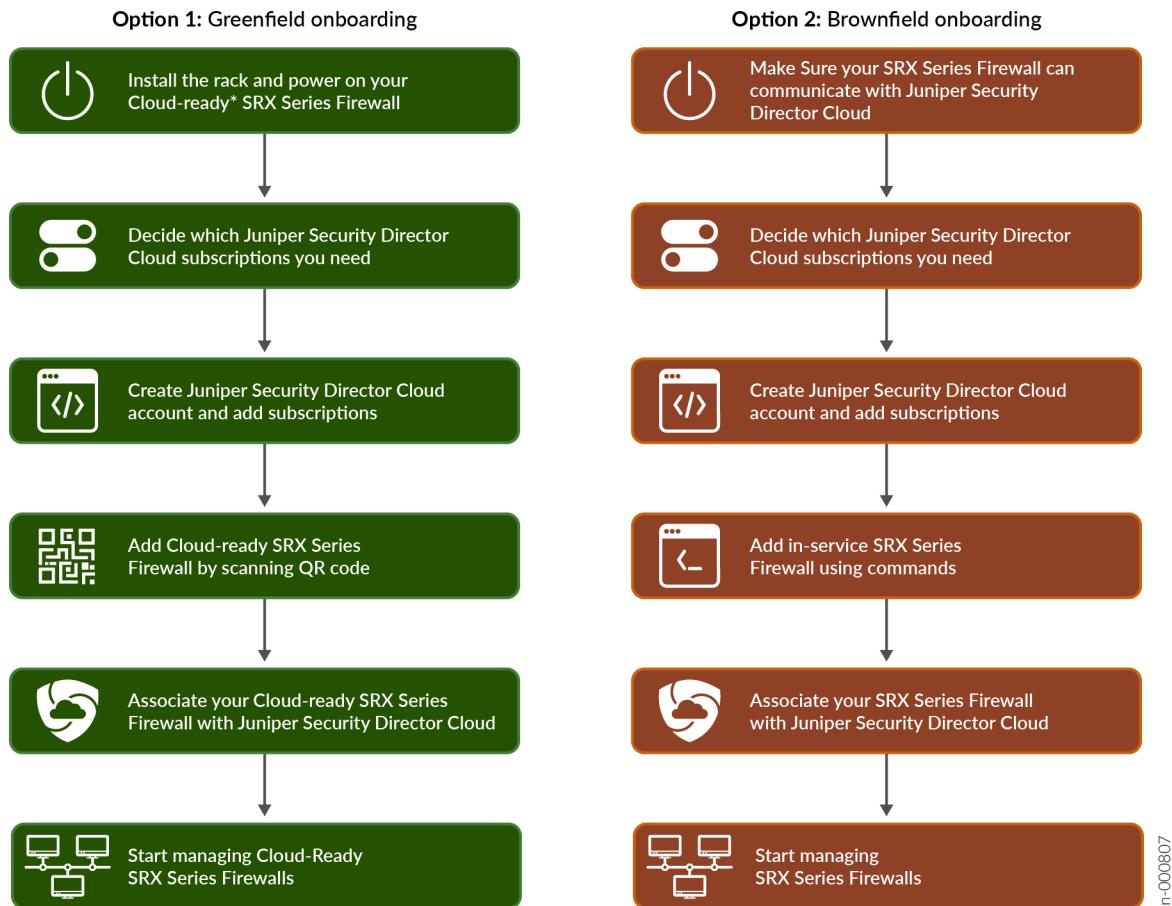
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This guide walks you through the simple steps to onboard Juniper Networks® SRX Series Firewalls to the Juniper® Security Director Cloud. You can onboard SRX Series Firewalls to Juniper Security Director Cloud using the following options:

- Greenfield onboarding: Onboard new cloud-ready SRX Series Firewalls.
- Brownfield onboarding: Onboard existing, in-service SRX Series Firewalls.

Figure 1: Onboard SRX Series Firewalls to Juniper Security Director Cloud



*Your firewall is cloud-ready if it has a QR claim code on the front or back panel.

jin-000807

NOTE: You can also onboard SRX Series Firewalls using the following methods:

- To onboard SRX Series Firewalls to Juniper Security Director Cloud using ZTP, see [Add Devices Using Zero Touch Provisioning](#).
- To onboard (adopt) existing, in-service (brownfield), SRX Series Firewalls into Juniper Security Director Cloud using JWeb, see [Add SRX Series Firewalls to Juniper Security Director Cloud Using JWeb](#).
- To onboard (adopt) existing, in-service (brownfield), SRX Series Firewalls into Juniper Security Director Cloud using Security Director on-prem, see [Add Devices to Juniper Security Director Cloud](#).
- To onboard cloud-ready SRX Series Firewalls using Mist, see [Cloud-Ready SRX Firewalls with Mist](#).
- To onboard (adopt) existing, in-service (brownfield), SRX Series Firewalls into Mist, see [SRX Adoption](#).

Greenfield Onboarding: Add Cloud-Ready SRX Series Firewalls to Juniper Security Director Cloud Using QR Code

Your firewall is cloud-ready if it has a QR claim code on the front or back panel. You can onboard the cloud-ready SRX Series Firewalls using your mobile phone.

Before You Begin

Install the rack and power on your cloud-ready SRX Series Firewall. For instructions specific to your device, see the applicable hardware guide.

Table 1: Juniper Security Director Cloud Supported Cloud-Ready SRX Series Firewalls and Related Documentation

Firewall	Install and Maintain Hardware
SRX1600	SRX1600 Firewall Hardware Guide
SRX2300	SRX2300 Firewall Hardware Guide
SRX4300	SRX4300 Firewall Hardware Guide

NOTE: DHCP is enabled on all interfaces on cloud-ready SRX Series Firewalls in the factory-default configuration. Make sure that you can connect to the Internet using one of the interfaces.

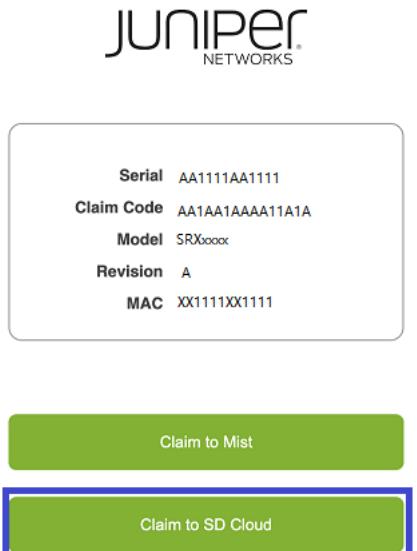
1. Decide which [Juniper Security Director Cloud Subscriptions](#) you need and contact your sales representative or account manager to purchase subscriptions. You can also use a 30-day trial subscription that is available in the portal by default.
2. Go to <https://sdcloud.juniperclouds.net/> and click **Create an organization account**.

Follow the on-screen instructions to activate your account. It takes up to 7 working days to approve your account.

3. To add the purchased subscriptions, log in to the Juniper Security Director Cloud portal, click **Add Subscriptions**, enter details, and click **OK**.

View your added subscriptions from **Subscriptions>SRX Management Subscriptions**. If you do not see your subscriptions, go to **Administration > Jobs** page to view the status.

4. Use your mobile phone to scan the QR code on the cloud-ready SRX Series Firewall. Click the displayed link and select **Claim to SD Cloud** to go to Juniper Security Director Cloud login page.



5. Read the prerequisites, enter your e-mail address, and click **Next**.



Email

Next

 **View Prerequisites**

An account is required to add the device with serial number **AA1AA1AAAA11A1A**

If you do not have an account, create an account in <https://sdcloud.juniperclouds.net> from your laptop or desktop and then log in.

6. Follow the on-screen instructions to sign in.



user@juniper.net

Password



Sign in

- or -

Enter your organization's domain name

Sign in with SSO

- or -

Sign in with juniper.net

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7. Select the organization to add your device, enter the root password, and click **Add Device**.



Account Details

Select the organization to which you want to add the device.

user@juniper.net

DEMO

Device Details

Serial Number: AA1111AA1111

Model: SRXxxxx

Set root password for this device. 

Add Device

[← Log in with a different email ID](#)

Congratulations! You've successfully registered your device to the organization and added your device to Juniper Security Director Cloud. Log out from the page in your mobile phone.



The device is successfully registered to the organization "DEMO"

Next Steps

1. Power on the device.
2. Use your **laptop** or **desktop** to log in to the Juniper Security Director Cloud portal through <https://sdcloud.juniperclouds.net> and manage the device.

[Logout](#)

8. Power on your cloud-ready SRX Series Firewall and log in to Juniper Security Director Cloud portal using your laptop or desktop. View the newly added device on the **SRX > Device Management > Devices** page.

Host Name	Device Group	Inventory Status	Device Config Status	Management Status	Device Health	Subscriptions	OS Version	Product
DEMO-AA1111AA1111	-	In Sync	In Sync	Up	Unknown	No Subscri...	23.4120230916...	SRX1600
DEMO-TEST01	DG1	Unknown	Unknown	Discovery Not Initiated If not initiated, the device will be removed in 1...	Unknown	No Subscri...	-	-
srx11111111111111	DG1	Unknown	Unknown	Discovery Not Initiated Adopt Device If not initiated, the device will be removed in 1...	Unknown	No Subscri...	-	-

3 items

NOTE: Device discovery takes a few seconds to complete. After successful device discovery, you can see the following status updates:

- Inventory Status: **In Sync**
- Device Config Status: **In Sync**
- Management Status: **Up**

Congratulations! You've successfully onboarded your cloud-ready SRX Series Firewall. You're now ready to associate devices to your Juniper Security Director Cloud subscription.

To continue, proceed to "["Step 2: Up and Running" on page 10.](#)

Brownfield Onboarding: Add SRX Series Firewalls to Juniper Security Director Cloud Using Commands

Before You Begin:

- Make sure SRX Series Firewall can communicate with Juniper Security Director Cloud fully qualified domain name (FQDN) on respective ports. The FQDN of each home region is different. See the following table for FQDN mapping details.

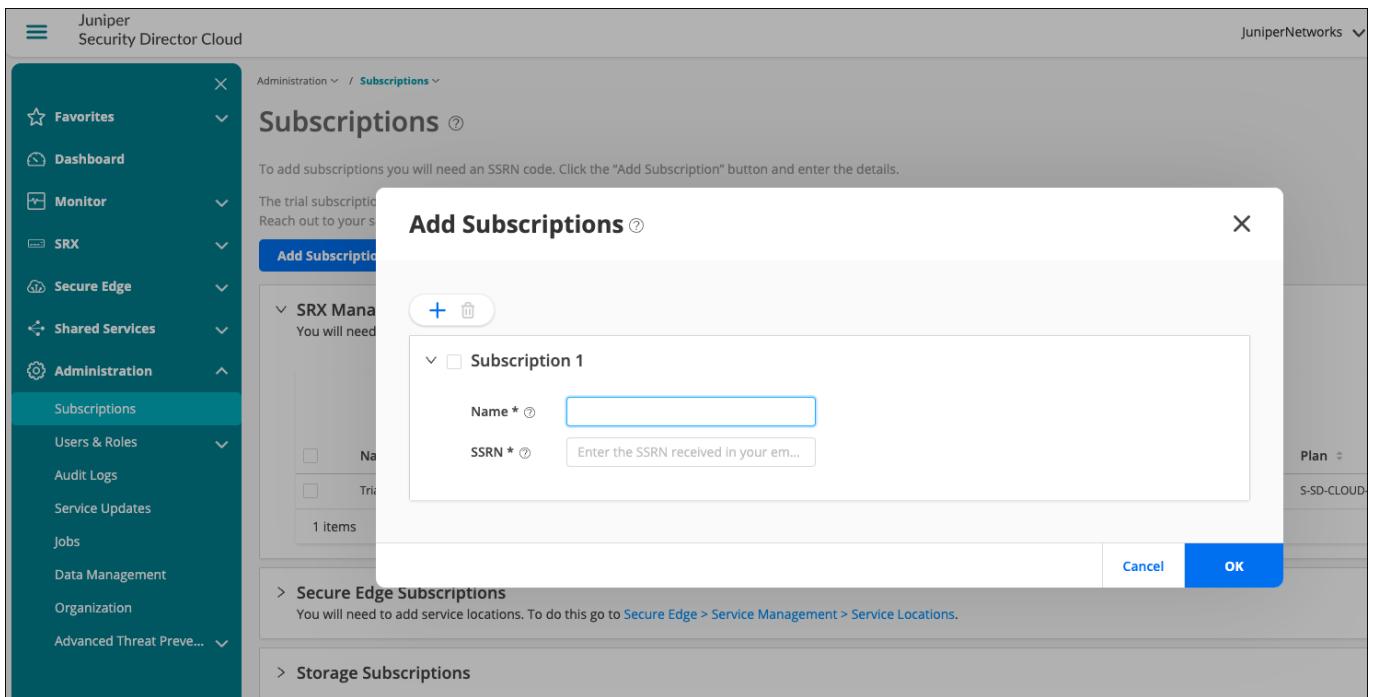
Table 2: Home Region to FQDN Mapping

Home Region	Purpose	Port	FQDN
North Virginia	ZTP	443	jsec-virginia.juniperclouds.net
	Outbound SSH	7804	srx.sdcloud.juniperclouds.net
	System Log messages over TLS	6514	srx.sdcloud.juniperclouds.net
Ohio	ZTP	443	jsec-ohio.juniperclouds.net
	Outbound SSH	7804	srx.jsec-ohio.juniperclouds.net
	System log messages over TLS	6514	srx.jsec-ohio.juniperclouds.net

- Use TCP port 53 and UDP port 53 to connect to Google DNS servers (IP addresses—8.8.8.8 and 8.8.4.4). The Google DNS servers are specified as the default servers in the factory settings of the SRX Series Firewalls. You must use these default DNS servers when you use ZTP to onboard the firewalls. You can use private DNS servers when you use other methods to onboard the firewalls. Note that you must make sure that the private DNS servers can resolve the Juniper Security Director Cloud FQDNs.

1. Decide which [Juniper Security Director Cloud Subscriptions](#) you need and contact your sales representative or account manager to purchase subscriptions.
2. Go to <https://sdcloud.juniperclouds.net/> and click **Create an organization account**.
Follow the on-screen instructions to activate your account. It takes up to 7 working days to approve your account activation request.

3. Log in to the [Juniper Security Director Cloud](#) portal, click **Add Subscriptions**, enter details, and click **OK**.

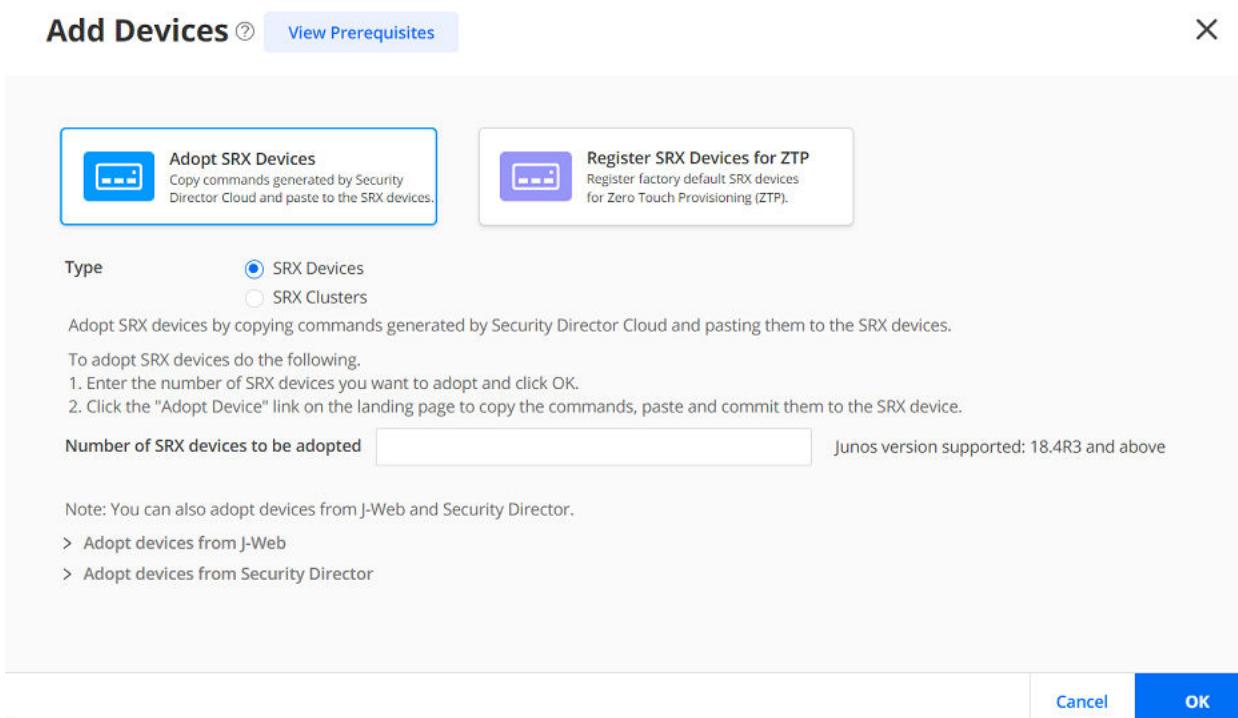


The screenshot shows the Juniper Security Director Cloud interface. The left sidebar is dark teal and includes 'Favorites', 'Dashboard', 'Monitor', 'SRX', 'Secure Edge', 'Shared Services', 'Administration', 'Subscriptions' (which is selected and highlighted in teal), 'Users & Roles', 'Audit Logs', 'Service Updates', 'Jobs', 'Data Management', 'Organization', and 'Advanced Threat Preve...'. The main content area has a light gray background. At the top, it says 'Subscriptions' with a help icon. Below that, a message says 'To add subscriptions you will need an SSRN code. Click the "Add Subscription" button and enter the details.' A sub-section titled 'SRX Management Subscriptions' is shown with a note: 'You will need an SSRN code to add SRX Management Subscriptions. Reach out to your sales representative for more information.' A blue 'Add Subscription' button is located on the left of this section. Below this, there is a list titled 'Subscription 1' with a plus sign and a minus sign icon. It contains fields for 'Name *' (with a placeholder 'Enter the name of your subscription...') and 'SSRN *' (with a placeholder 'Enter the SSRN received in your email...'). At the bottom of the dialog box are 'Cancel' and 'OK' buttons, with 'OK' being highlighted in blue. To the right of the dialog box, there is a 'Plan' dropdown menu with 'S-SD-CLOUD' selected.

View your added subscriptions from **Subscriptions>SRX Management Subscriptions**. If you do not see your subscriptions, go to **Administration > Jobs** page to view the status.

4. Go to [Juniper Security Director Cloud](#), select **SRX > Device Management > Devices**, and click the **+** icon to add your devices.

5. Click **Adopt SRX Devices** and select **SRX Devices** to add devices or select **SRX Clusters** to add device clusters.



The screenshot shows the 'Add Devices' dialog box. At the top, there is a title 'Add Devices' with a help icon and a 'View Prerequisites' button. Below the title, there are two main options: 'Adopt SRX Devices' (selected) and 'Register SRX Devices for ZTP'. The 'Adopt SRX Devices' section contains a note: 'Copy commands generated by Security Director Cloud and paste to the SRX devices.' Below this, there are two radio buttons: 'SRX Devices' (selected) and 'SRX Clusters'. A note below the radio buttons says: 'Adopt SRX devices by copying commands generated by Security Director Cloud and pasting them to the SRX devices.' Below this note, a list of steps for adopting devices is provided: 'To adopt SRX devices do the following.' followed by '1. Enter the number of SRX devices you want to adopt and click OK.' and '2. Click the "Adopt Device" link on the landing page to copy the commands, paste and commit them to the SRX device.' At the bottom of the dialog box, there is a text input field for 'Number of SRX devices to be adopted' with a placeholder 'Enter the number of SRX devices to be adopted...'. To the right of this field, a note says 'Junos version supported: 18.4R3 and above'. At the very bottom, there are 'Cancel' and 'OK' buttons, with 'OK' being highlighted in blue.

Follow the on-screen instructions to continue.

6. Copy and paste the commands from the devices page to the SRX Series Firewall or the primary cluster device console, and commit the changes.

To adopt a device, click the "Adopt Device" link, copy the commands, paste and commit to the device.

Host Name	Management Status
srx16584031368291	Discovery Not Initiated Adopt Device

It will take few seconds for the device discovery. After device discovery is successful, verify the following fields on the **Devices** page:

- **Management Status** changes from **Discovery in progress** to **Up**.
- **Inventory Status** and **Device Config Status** changes from **Out of Sync** to **In Sync**.

NOTE: In case of discovery failure, go to **Administration > Jobs** page to view the status.

You're ready to associate devices to your Juniper Security Director Cloud subscription. To continue, proceed to "["Step 2: Up and Running" on page 10](#)".

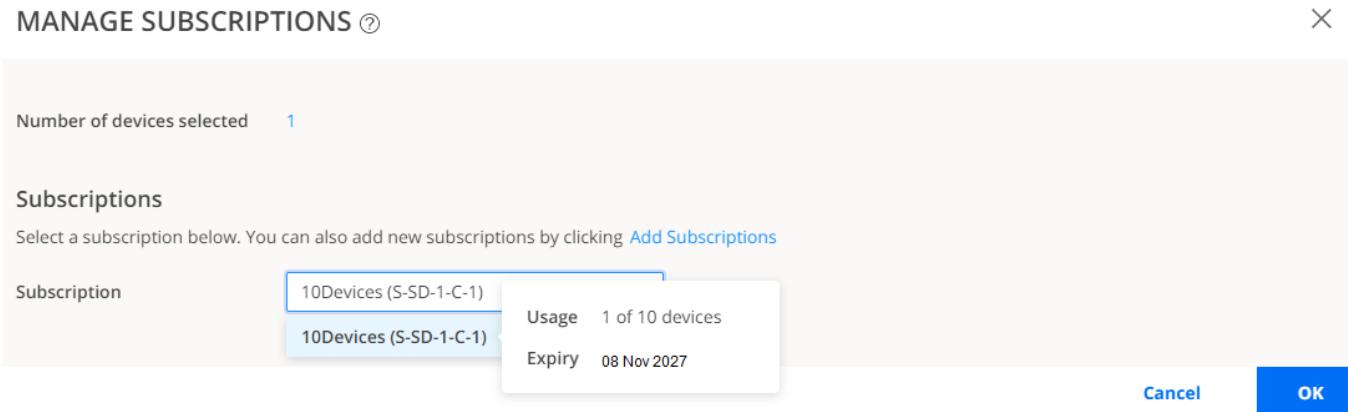
Step 2: Up and Running

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Associate Devices with Your Juniper Security Director Cloud Subscription

1. Go to **SRX > Device Management > Devices**, select the device, and click **Manage Subscriptions**. Follow the on-screen instructions.



2. Verify that the **Subscriptions** column displays the subscription name for your device.

Devices									Security Logs Configuration	Manage Subscriptions	More	+	trash	refresh	Search	More
	Host Name	Device Group	Inve...	Device Config Status	Management Status	Device Healt...	Subscriptions	OS Version	Product ...							
<input type="checkbox"/>	DEMO-AA1111AA1111	-	In Sync	In Sync	Up	No data	10Devices	23.41(20230916...)	SRX1600							
<input type="checkbox"/>	DEMO-TEST01	DG1	Unknown	Unknown	Discovery Not Initiated If not initiated, the device will be removed in 1...	Unknown	No Subscri...	-	-							
<input type="checkbox"/>	srx11111111111111	DG1	Unknown	Unknown	Discovery Not Initiated Adopt Device If not initiated, the device will be removed in 1...	Unknown	No Subscri...	-	-							

3 items refresh

Congratulations! You have successfully associated your device to Juniper Security Director Cloud.

Step 3: Keep Going

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What's Next?

If You Want To	Then
Create or import a security policy, add a rule to the security policy, and deploy the security policy on the devices	See About the SRX Policy Page
Set up the Content Security profiles to secure your network from multiple security threat types	See About the Content Security Profiles Page
Configure ATP Cloud to protect all hosts in your network against evolving security threats	See File Inspection Profiles Overview
View the traffic logs and network events including viruses found, interfaces that are down, number of attacks, CPU spikes, system reboots, and sessions	See About the Session Page and About the All Security Events Page

General Information

If You Want To	Then
See all the available documentation for Juniper Security Director Cloud	Visit Security Director Cloud

Learn With Videos

If You Want To	Then
Learn more about Juniper Security Director Cloud	Watch What is Juniper Security Director Cloud?
See a demonstration of how to get started with a Juniper Security Director Cloud account	Watch Getting Started with Juniper Security Director Cloud Account
Learn how to manage security with Juniper Security Director Cloud and Juniper Secure Edge	Watch Manage Security Anywhere With Security Director Cloud and Juniper Secure Edge

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