



Juniper NETWORKS Security Director Cloud Insights User Guide

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Security Director Cloud



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About This Guide

Use this guide to understand the architecture and deployment of Security Director Cloud Insights.

Overview

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Security Director Cloud Insights Overview

IN THIS SECTION

- B;n;C|s | 2
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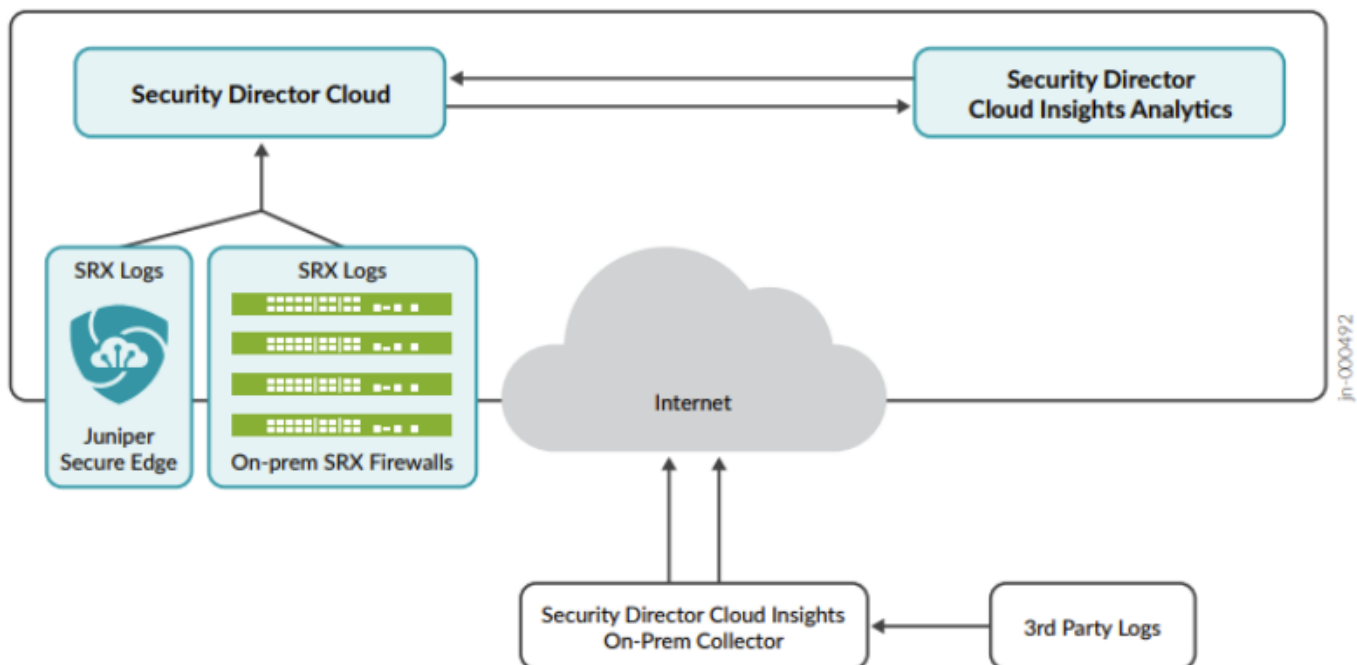
Security Director Cloud Insights facilitates automated security or;r-■onsÍ It enables you to take ;@;c■v; -c■ons on security events logged by Juniper Networks security products and third party security products. Security Director Cloud Insights displays events that -@;c| a host or events that are impacted by a r-r■c†V-r threat source from 7b@;r;n| security modules. These events provide instantaneous bn=orm-■on about the extent of an -,chl The -rrVbc-■on contains an or■on to verify the incidents using your trusted threat intelligence provider. [;r you have v;rbC;7 the incidents, you can take rr;v;n■v; and remedial -c■ons using the rich c-r-bbVb■;s of our security products.

B;m;C|s

- Reduce the number of alerts across disparate security soV†■onsÍ
- Quickly react to -c■v; threats with one-click mb■]-■onÍ
- Improve the security or;r-■ons center (SOC) teams' ability to focus on the highest priority threats.

Security Director Cloud Insights Architecture

Figure 1: Security Director Cloud Insights Architecture



Security Director Cloud Insights collector collects and aggregates SRX logs and the third party logs. Some of the features in Security Director Cloud uses the SRX logs. You can monitor the incidents and the events based on your network requirements.

Security Director Cloud Insights receives SRX logs from Juniper Secure Edge or Juniper SRX Cr;w-VV that are managed by Security Director Cloud. If you have third party security products, then Security Director Cloud Insights receives logs from third party security products. Security Director Cloud Insights correlates the security - rrVbc-■ on logs to tell you what are the most important security incidents in your or]-nbz-■ on Security Director Cloud ingests all the security events from 7b@;r;n| sources and provides †nbC;7 view to the users.

Security Director Cloud Insights supports the following log collector types:

- Cloud collector—Enable the cloud collector if you receive SRX logs from Juniper Secure Edge or Security Director Cloud managed SRX Cr;w-VVś By default, the cloud collector is enabled.
- On-premises collector—If you have a third party log source, such as McAfee, you can deploy Security

Director Cloud Insights on-premises collector. You can redirect the output from third party security products to Security Director Cloud Insights on-premises collector. Logs are then CV|r;7 and sent to Security Director Cloud.

If you have any third party security product, you'll need to download Security Director Cloud Insights on-premises collector OVA CV; from the download site and deploy. See *Deploy and ConC]fr; Security Director Cloud Insights On-premises Collector*.

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The information in this document is current as of the date on the title page.

YEAR 2000 NOTICE

Juniper Networks hardware and software products are Year 2000 compliant. Junos OS has no known time-related limitations through the year 2038. However, the NTP application is known to have some difficulty in the year 2036.

END USER LICENSE AGREEMENT

The Juniper Networks product that is the subject of this technical documentation consists of (or is intended for use with) Juniper Networks software. Use of such software is subject to the terms and conditions of the End User License Agreement (“EULA”) posted at <https://support.juniper.net/support/eula/>. By downloading, installing or using such software, you agree to the terms and conditions of that EULA.

Deploy On-premises Collector

Deploy and Configure Security Director Cloud Insights On-premises Collector with Open Virtualization Appliance (OVA) Files | 5

Deploy and Configure Security Director Cloud Insights On-premises Collector with Open Virtualization Appliance (OVA) Files

Security Director Cloud Insights requires VMware ESXi server version 6.5 or later to support a virtual machine (VM) with the following configurations:

- 16 CPUs
- 24-GB RAM
- 1.2-TB disk space

If you are not familiar with using VMware ESXi servers, see VMware documentation and select the appropriate VMware vSphere version.

To deploy and configure the Security Director Cloud Insights on-premises collector with OVA files, perform the following tasks:

1. Download the Security Director Insights Cloud – Collector VM OVA image from the Juniper Networks software download page.

NOTE: Do not change the name of the Security Director Cloud Insights VM image file that you download from the Juniper Networks support site. If you change the name of the image file, the creation of the Security Director Cloud Insights VM may fail.

2. Launch the vSphere Client that is connected to the ESXi server, where the Security Director Cloud Insights VM is to be deployed.
3. Select File > Deploy OVF Template.

The Deploy OVF Template page appears, as shown in Figure 2 on page 6.

Figure 2: Select an OVF Template Page

Deploy OVF Template

1 Select an OVF template

2 Select a name and folder

3 Select a compute resource

4 Review details

5 Select storage

6 Ready to complete

Select an OVF template

Select an OVF template from remote URL or local file system

Enter a URL to download and install the OVF package from the Internet, or browse to a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.

☒ URL

☐ Local file

No file chosen

CANCEL

BACK

NEXT

4. In the Select an OVF template page, select the URL or ☒ on if you want to download the OVA image from the internet or select Local CV; to browse the local drive and upload the OVA image.

5. Click **Next**.

The Select a name and folder page appears.

6. Specify the OVA name, bns|-VV-☒ on Voc-☒ on for the VM, and click **Next**.

The Select a compute resource page appears.

7. Select the 7;s☒ n-☒ on compute resource for the VM, and click **Next**.

The Review details page appears.

8. Verify the OVA details and click **Next**.

The License agreements page appears, as shown in *Figure 3 on page 7*.

Figure 3: License Agreement Page

Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- 5 License agreements**
- 6 Select storage
- 7 Select networks
- 8 Customize template
- 9 Ready to complete

License agreements

The end-user license agreement must be accepted.

Read and accept the terms for the license agreement.

READ THIS AGREEMENT BEFORE DOWNLOADING, INSTALLING, OR USING THE SOFTWARE. JUNIPER NETWORKS IS WILLING TO LICENSE THE SOFTWARE TO YOU OR THE ENTITY YOU REPRESENT (COLLECTIVELY "YOU") AND MAKE AVAILABLE ASSOCIATED MAINTENANCE SERVICES ONLY IF YOU ACCEPT ALL OF THE TERMS OF THIS AGREEMENT.

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☒ I accept all license agreements.

CANCEL

BACK

NEXT

9. Accept the EULA and click Next.

The Select storage page appears.

10. Select the 7;s■n■ on CV; storage for the VM conC]tr■ on CV;s and the disk format. (Thin Provision is for smaller disks and Thick Provision is for larger disks.)

Click Next. The Select networks page appears.

11. Select the network interfaces for the VM.

ConC]tr; IP -VVoc-■ on for DHCP or "[-■c addressing. We recommend using "[-■c IP VVoc-■ on Policy.

Click Next. The Customize template page appears. For DHCP bns|rtc■ onsk see Step 13.

12. For IP -VVoc-■ on as "[-■c conC]tr; the following parameters for the VM:

- IP address—Enter the Security Director Cloud Insights VM IP address.
- Netmask—Enter the netmask.
- Gateway—Enter the gateway address.
- DNS Address 1—Enter the primary DNS address.
- DNS Address 2—Enter the secondary DNS address.

• **Figure 4: Customize Template Page**

Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 License agreements
- ✓ 6 Select storage
- ✓ 7 Select networks
- 8 Customize template**
- 9 Ready to complete

Juniper Security Analytics

8 settings

Virtual Appliance Network Settings

IP Allocation Policy	Static ▾
IP address	Ignore this property if the IP allocation policy is DHCP. <div>10.0.1.100</div>
Netmask	Ignore this property if the IP allocation policy is DHCP. <div>255.255.0.0</div>
Gateway	Ignore this property if the IP allocation policy is DHCP. <div>10.0.0.1</div>
DNS address 1	Ignore this property if the IP allocation policy is DHCP. <div>10.0.0.1</div>
DNS address 2	Ignore this property if the IP allocation policy is DHCP.

CANCEL

BACK

NEXT

13. For IP -VVoc- on as DHCP, enter the search domain, hostname, device name, and device 7;scrbr on for the VM.

We recommend this or on only for the Proof of Concept type of short-term deployments. Do not use this or oní

Click **Next**. The Ready to complete page appears, as shown in Figure 5 on page 9.

Figure 5: Ready to Complete Page

Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 License agreements
- ✓ 6 Select storage
- ✓ 7 Select networks
- ✓ 8 Customize template
- 9 Ready to complete**

Click Finish to start creation.

Provisioning type	Deploy OVF From Remote URL
Name	Juniper Security Analytics Solutions-20.3R1.s449c42
Template name	Juniper Security Analytics Solutions-20.3R1.s449c42
Download size	4.3 GB
Size on disk	9.8 GB
Folder	Abhishek Gaden
Resource	it-cluster1a.englab.juniper.net
Storage mapping	1
All disks	Datastore: ranch99-vm; Format: Thin provision
Network mapping	2
administrative	Engineering
HA Monitoring	Engineering
IP allocation settings	
IP protocol	IPV4
IP allocation	Static - Manual

CANCEL

BACK

FINISH


14. Verify all the details and click **Finish** to begin the OVA deployment.
15. After the OVA is installed successfully, power on the VM and wait for the boot-up to complete.
16. After the VM powers on, in the CLI terminal, log in as administrator with the default username as "admin" and password as "abc123".
After you log in, the system prompts you to change the default admin password. Enter a new password to change the default password, as shown in Figure 6 on page 9.

Figure 6: Default Admin Password Reset

```
The authenticity of host '10.2.11.46 (10.2.11.46)' can't be established.  
ECDSA key fingerprint is a0:b9:21:1f:0f:54:d6:7e:a7:6b:40:8f:9e:7c:cc:4a.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added '10.2.11.46' (ECDSA) to the list of known hosts.  
admin@10.2.11.46's password:  
The CLI admin password needs to be changed from the default.  
Enter the new password of CLI admin: 
```

17. Follow the wizard to configure the network details (hostname, connection and so on) on the cloud. After you deploy the Security Director Cloud Insights VM, if you want to change the tenant to which the on-premises collector is connected, then go to the CLI and run the `sdic connect` command. The format of the command is `sdic connect`. The Security Director Cloud Insights on-premises collector deployment is now complete.

Documents / Resources

	<p>Juniper NETWORKS Security Director Cloud Insights [pdf] User Guide Security Director Cloud Insights, Director Cloud Insights, Cloud Insights, Insights</p>
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References

- [Juniper Networks – Leader in AI Networking, Cloud, & Connected Security Solutions](#)
- [Downloads](#)
- [End User License Agreement - Support - Juniper Networks](#)
- [Deploy and Configure Security Director Cloud Insights On-premises Collector with Open Virtualization Appliance \(OVA\) Files | Juniper Networks](#)
- [VMware Docs Home](#)
- [User Manual](#)