



Juniper Secure Analytics

Release Notes

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JSA Release Notes

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JSA RELEASE NOTES

Juniper Networks is pleased to introduce Juniper Secure Analytics (JSA). This release note describes the new JSA appliances and their functionality and includes known and outstanding issues.

New Appliances and Functionality

JSA introduces the following new appliances with the following features:

- **JSA1500**—A 2-U, rack-mountable chassis with AC power supply (optional second AC power supply for redundancy, optional DC power supplies), dual hot-swappable hard drives in a RAID1 array, 24 GB of memory, and four Gigabit Ethernet interfaces.

For JSA1500 appliance hardware End of Life announcement, see <http://kb.juniper.net/InfoCenter/index?page=content&id=TSB16418>.

- **JSA3500**—A 2-U, rack-mountable chassis with AC power supply (optional second AC power supply for redundancy, optional DC power supplies), six hot-swappable hard drives in a RAID10 array, 32 GB of memory, and four Gigabit Ethernet interfaces.
- **JSA5500**—A 2-U, rack-mountable chassis with redundant AC power supplies (optional DC power supplies), eight hot-swappable hard drives in a RAID10 array, 96 GB of memory, and four Gigabit Ethernet interfaces.
- **JSA7500**—A 2-U, rack-mountable chassis redundant DC power supplies (optional AC power supplies), twenty-eight hot-swappable hard drives in a RAID10 array, 128 GB of memory, and four Gigabit Ethernet interfaces.
- **UNIV-10GE-2SFPP**—Network Adapter with support for dual rate SFP+ optics. Built-in iSCSI acceleration. Full Height for JSA1500, JSA3500, and JSA5500.
- **UNIV-10GE-2SFPP-H**—Network Adapter with support for dual rate SFP+ optics. Built-in iSCSI acceleration. 2/3 Height for JSA7500.

Known Issues and Limitations

This section describes the known issues and limitations related to JSA appliances for the following areas:

- **General**
- **High Availability Issues**

General Store and Forward Event Collector appliance installation fails

Installing a Store and Forward Event Collector appliance on JSA1500, JSA3500, and JSA5500 fails because of an invalid activation key error.

Workaround:

Step 1 Log in to the JSA console and run the following command:

```
sed -i 's/435L53\s*/435L53/' /opt/oem/branding/getkey.new
```

Step 2 Reboot the system.

The system prompts you with the setup screen again to complete the setup.

Store and Forward Event Collector option is not available in the Install menu

When installing a JSA7500, the **Store and Forward Event Collector** option is not available under the **Install** menu.

Workaround:

Step 1 Select **Ctrl+C** to stop the installation.

Step 2 Log in to the JSA console and run the following command to add the **Store and Forward Event Collector** option in the **Install** menu:

```
#sed -i 's/3126 8026 1626 1726 5056/3126 8026 1506 1626 1726 5056/' /opt/oem/branding/getkey
```

Step 3 Run the following command to remove the incorrect space in the activation key:

```
#sed -i 's/435L53\s*/435L53/' /opt/oem/branding/getkey
```

Step 4 Reboot the system.

JSA5500 and JSA7500 OOB power and monitoring management

On the JSA5500 and JSA7500 to first onboard, Ethernet port **0** is used for BMC/IPMI remote management features. By default, the BMC/IPMI LAN port uses DHCP to configure an IP address for remote Web access. Sometimes, on the appliance, a security audit fails because of OOB power and monitoring management being enabled. Run the following command to manage the BMC:

```
ipmitool lan print 1
```

To disable OOB power management, run the following command:

```
[root@strm ~]# ipmitool lan set 1 access off
```

Note: At any time, you can start the service manually using the following command:

```
service ipmi start
```


JSA7500 performance optimization

When JSA7500 is set up to forward all the events to the event processor, the events start dropping at 30,000 EPS with warning messages.

Workaround: To support more than 20,000 EPS on the JSA7500 appliance:

- Step 1** Click **JSA7500 EP Performance Tuning Script** and download the performance optimizing script from the following website:

<http://www.juniper.net/support/downloads/>

Note: The **JSA7500 EP Performance Tuning Script** is supported only on JSA version 2013.2.

- Step 2** Run **JSA7500 EP Performance Tuning Script** on your JSA7500 EP.

Note: This script does not have any negative impact on the JSA7500 appliance.

Fault (!) LED does not light on JSA5500 or JSA7500 when there is a power supply fault

There will be an audible alert to inform that one of the power supplies is broken and you need to monitor PSU status from the CLI.

After the networking setting is configured using `qchange_netsetup`, the JSA appliance hangs while rebooting

When you configure the network setting such as hostname and IP address using the `qchange_netsetup` script, the JSA appliance hangs while rebooting. This issue is seen in 2013.2.r3.607582 and it will be fixed in the future releases. For more information, see the KB article KB28224 at <https://kb.juniper.net/KB28224>.

Workaround: Power cycle the JSA appliance manually.

The selected menu option is not highlighted when the up or down arrow keys while configuring JSA appliance.

In the JSA console during configuration, using up or down arrow keys to select a menu option does not highlight the selected option. For more information, see the see the KB article KB28225 at <https://kb.juniper.net/KB28225>.

Workaround: Although your current position is not highlighted, use up or down arrow keys and spacebar to select an option. Use left or right arrow keys to select **Next**.

High Availability Issues**HA on a console appliance renders without HA protection**

HA on a console appliance might render without an HA protection which can be caused by high disk usage when you run large aggregate searches.

Workaround: Download the new cursor-partitioning-script from the Juniper Customer Support website and create a new partition as instructed in the *Tuning High Availability* section of the *High Availability (HA) Guide*.

Errata

This section lists outstanding issues with the hardware documentation.

Juniper Secure Analytics Quick Start Guide

- In Task 6: Configure a JSA Appliance, the following note should be added at the end of step 3:

Note: Although your current position is not highlighted, use up or down arrow keys and spacebar to select an option. Use left or right arrow keys to select **Next**.

- In Task 6: Configure a JSA Appliance, the following note should be added before step 15:

Note: When you configure the network setting such as hostname and IP address using the `qchange_netsetup` script, the JSA appliance hangs while rebooting. This issue is seen in 2013.2.r3.607582 and it will be fixed in the future releases.