



syslog-ng Store Box 6.2

Packaging Checklist

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Legend

 **WARNING:** A WARNING icon highlights a potential risk of bodily injury or property damage, for which industry-standard safety precautions are advised. This icon is often associated with electrical hazards related to hardware.

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

SSB Packaging Checklist
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Package contents inventory

Carefully unpack all server components from the packing cartons. The following items should be packaged with the syslog-ng Store Box:

- A syslog-ng Store Box appliance, pre-installed with the latest syslog-ng Store Box firmware.
- syslog-ng Store Box accessory kit, including the following:
 - syslog-ng Store Box 6.2 Packaging Checklist (this document).
 - GPL v2.0 license.
- Rack mount hardware.
- Power cable.

The default BIOS and IPMI passwords are in the documentation.

syslog-ng Store Box Hardware Installation Guide

This section describes how to set up the syslog-ng Store Box (SSB) hardware. Refer to the following documents for step-by-step instructions:

- *syslog-ng Store Box Appliance 3000*: see the *SC113 Chassis Series User's Manual, Chapter 6: Rack Installation*, available online at <https://www.supermicro.com/manuals/chassis/1U/SC113.pdf>.
- *syslog-ng Store Box Appliance 3500*: see the *SuperServer 1029U-T Series User's Manual, Chapter 2: Server Installation*, available online at <https://www.supermicro.com/manuals/superserver/1U/MNL-1973.pdf>.

The manuals are also available online at the [syslog-ng Store Box Documentation page](#). Note that SSB hardware is built to custom specifications: CPU, memory, network card, and storage options differ from the stock chassis. You can find the hardware specifications in [Hardware specifications](#)

- For details on how to install a single SSB unit, see [Installing the SSB hardware](#).
- For details on how to install two SSB units in high availability mode, see [Installing two SSB units in HA mode](#).

Installing the SSB hardware

The following describes how to install a single SSB unit.

To install a single SSB unit

1. Unpack SSB.
2. *Optional step:* Install SSB into a rack with the slide rails. Slide rails are available for all SSB appliances.
3. Connect the cables.

a. For general networks:

Connect the Ethernet cable facing your LAN to the Ethernet connector labeled as 1. This is the external interface of SSB. This interface is used for the initial configuration of SSB, and for communication between SSB and the clients. (For details on the roles of the different interfaces, see ["Network interfaces" in the Administration Guide.](#))

For 10Gbit-only networks:

Connect the cable facing your LAN to the SFP+ connector labeled as A. This is the external interface of SSB. This interface is used for the initial configuration of SSB, and for communication between SSB and the clients. (For details on the roles of the different interfaces, see ["Network interfaces" in the Administration Guide.](#))

NOTE:

For a list of compatible connectors, see [Linux* Base Driver for 10 Gigabit Intel® Ethernet Network Connection Overview](#). Note that SFP transceivers encoded for non-Intel hosts may be incompatible with the Intel 82599EB host chipset found in SSB.

⚠ CAUTION:

Do not leave any unused SFP/SFP+ transceiver in the 10Gbit interface. It may cause network outage.

- b. Connect an Ethernet cable that you can use to remotely support the SSB hardware to the IPMI interface of SSB. For details, see the following documents:

For syslog-ng Store Box Appliance 3000 and 3500, see the [X9 SMT IPMI User's Guide](#).

⚠ CAUTION:

Connect the IPMI before plugging in the power cord. Failing to do so will result in IPMI failure.

⚠ CAUTION: SECURITY HAZARD!

The IPMI interface, like all out-of-band management interfaces, has known vulnerabilities that One Identity cannot fix or have an effect on. To avoid security hazards, One Identity recommends that you only connect the IPMI interface to well-protected, separated management networks with restricted accessibility. Failing to do so may result in an unauthorized access to all data stored on the SSB appliance. Data on the appliance can be unencrypted or encrypted, and can include sensitive information, for example, passwords, decryption keys, private keys, and so on.

For more information, see [Best Practices for managing servers with IPMI features enabled in Datacenters](#).

NOTE:

The administrator of SSB must be authorized and able to access the IPMI interface for support and troubleshooting purposes in case vendor support is needed.

The following ports are used by the IPMI interface:

- Port 623 (UDP): IPMI (cannot be changed)
 - Port 5123 (UDP): floppy (cannot be changed)
 - Port 5901 (TCP): video display (configurable)
 - Port 5900 (TCP): HID (configurable)
 - Port 5120 (TCP): CD (configurable)
 - Port 80 (TCP): HTTP (configurable)
- c. *Optional step:* Connect the Ethernet cable to be used for managing SSB after its initial configuration to the Ethernet connector labeled as 2. This is the management interface of SSB. (For details on the roles of the different interfaces, see ["Network interfaces" in the Administration Guide](#).)
- d. *Optional step:* Connect the Ethernet cable connecting SSB to another SSB node to the Ethernet connector labeled as 4. This is the high availability (HA) interface of SSB. (For details on the roles of the different interfaces, see ["Network interfaces" in the Administration Guide](#).)
4. Power on the hardware.
 5. Change the BIOS password on the syslog-ng Store Box. The default password is ADMIN or changeme, depending on your hardware.
 6. Change the IPMI password on the syslog-ng Store Box. The default password is ADMIN or changeme, depending on your hardware.

NOTE:

Ensure that you have the latest version of IPMI firmware installed. You can download the relevant firmware from the One Identity Knowledge Base:

- [IPMI firmware for syslog-ng Store Box Appliance 3000](#)
- [IPMI firmware for syslog-ng Store Box Appliance 3500](#)

To change the IPMI password, connect to the IPMI remote console.

NOTE:

If you encounter issues when connecting to the IPMI remote console, add the DNS name or the IP address of the IPMI interface to the exception list (whitelist) of the Java console. For details on how to do this, see the Java FAQ entry titled [How can I configure the Exception Site List?](#)

7. Following boot, SSB attempts to receive an IP address automatically via DHCP. If it fails to obtain an automatic IP address, it starts listening for HTTPS connections on the 192.168.1.1 IP address.

To configure SSB to listen for connections on a custom IP address, complete the following steps:

- a. Access SSB from the local console, and log in with username root and password default.
- b. In the Console Menu, select **Shells > Core shell**.
- c. Change the IP address of SSB:

```
ip addr add <IP-address>/24 dev eth0
```

Replace <IP-address> with an IPv4 address suitable for your environment.

- d. Set the default gateway using the following command:

```
ip route add default via <IP-of-default-gateway>
```

Replace <IP-of-default-gateway> with the IP address of the default gateway.

- e. Type exit, then select **Logout** from the Console Menu.
8. Connect to the SSB web interface from a client machine and complete the Welcome Wizard as described in "[The Welcome Wizard and the first login](#)" in the [Administration Guide](#).

NOTE:

The syslog-ng Store Box Administrator Guide is available on the [syslog-ng Store Box Documentation page](#).

Installing two SSB units in HA mode

The following describes how to install SSB with high availability support.

To install SSB with high availability support

1. For the first SSB unit, complete [Installing the SSB hardware](#) on page 6.
2. For the second SSB unit, complete Steps 1-3 of [Installing the SSB hardware](#) on page 6.
3. Connect the two units with an Ethernet cable via the Ethernet connectors labeled as 4.
4. Power on the second unit.
5. Change the BIOS and IPMI passwords on the second unit. The default password is ADMIN or changeme, depending on your hardware.
6. Connect to the SSB web interface of the first unit from a client machine and enable high availability mode. Navigate to **Basic Settings > High Availability** . Click **Convert to Cluster**, then reload the page in your browser.
7. Click **Reboot Cluster**.
8. Wait until the slave unit synchronizes its disk to the master unit. Depending on the size of the hard disks, this may take several hours. You can increase the speed of the synchronization via the SSB web interface at **Basic Settings > High Availability > DRBD sync rate limit**.

Hardware specifications

SSB appliances are built on high performance, energy efficient, and reliable hardware that are easily mounted into standard rack mounts.

Table 1: Hardware specifications

Product	Redundant PSU	Processor	Memory	Capacity	RAID	IPMI
SSB T1	No	Intel(R) Xeon(R) X3430 @ 2.40GHz	2 x 4 GB	2 x 1 TB	Software RAID	Yes
SSB T4	Yes	Intel(R) Xeon(R) E3-1275V2 @ 3.50GHz	4 x 4 GB	4 x 2 TB	LSI MegaRAID SAS 9271-4i SGL	Yes
SSB T10	Yes	2 x Intel(R) Xeon(R) E5-2630V2 @ 2.6GHz	8 x 4 GB	13 x 1 TB	LSI 2208 (1GB cache)	Yes
syslog-ng Store Box Appliance 3000	Yes	1x Intel Xeon E3-1275 3.60GHz 4Core	2 x 16 GB	4x2 TB NLSAS	LSI MegaRAID SAS 9361-4i Single	Yes
syslog-ng Store Box Appliance 3500	Yes	2x Intel Xeon Silver 4110 2.1Ghz 8Core (=16Core)	8 x 8 GB	8x2 TB NLSAS +1 HotSpare	1 x Broadcom MegaRAID SAS 9361-16i + LSI Avago CacheVault Power Module 02 (CVPM02) Kit	Yes

The syslog-ng Store Box Appliance 3500 is equipped with a dual-port 10Gbit interface. This interface has SFP+ connectors (not RJ-45) labeled A and B, and can be found right of the Label 1 and 2 Ethernet interfaces. If you want faster communication, for example, in case

of high data load, you can connect up to two 10G SFP+ transceivers. These transceivers are not shipped with the original package and have to be purchased separately.

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Contacting us

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Technical support resources

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