

syslog-ng Store Box 6.0.3

Release Notes

23 August 2021, 09:53

These release notes provide information about the syslog-ng Store Box release.

Upgrade to the new release

For a full description on stable and feature releases, open the [SSB product page on the Support Portal](#) and navigate to **Product Life Cycle & Policies > Product Support Policies > Software Product Support Lifecycle Policy**.

Prerequisites and notes

This is a Long Term Supported release, which means that it will be supported at least for 3 years. Note that you need a new license file to upgrade an existing deployment to version 6.0. For details, see "[Updating the SSB license](#)" in the [Upgrade Guide](#).

CAUTION:

SNMP destinations and SQL sources have been removed in the SSB 5.2.0 release

Do not upgrade to SSB 5.2.0 if you are currently using and want to continue to use:

- **SNMP destinations**
- **SQL sources**

These functionalities have been removed from SSB starting with version 5.2.0. Upgrading from 5 LTS and its minor versions would mean that you would have to upgrade to 5.2.0 - to continue to receive support for the product.

Staying on 5 LTS and its minor versions means that you will not have access to the HDFS destination functionality available in SSB starting with version 5.1.0, however, you will continue to get support for 3 years after the original publication date of 5 LTS (December 2017) and for 1 year after the next LTS release is published (whichever date is later).

⚠ CAUTION:

Pyramid hardware is not supported

SSB 5 LTS is not supported on the following hardware: SSB N1000, SSB N1000d, SSB N5000, SSB N10000.

In case you have SSB deployed on other, newer hardware or you have SSB 4 LTS, those will not be affected in any way. The version policy applies to those. For details, open the [SSB product page on the Support Portal](#) and navigate to Product Life Cycle & Policies > Product Support Policies > Software Product Support Lifecycle Policy.

If you wish to take advantage of new features and remain supported beyond the end date of the Extended Support phase, you need to upgrade your hardware. For assistance with your hardware upgrade, [contact our Sales Team](#). For further inquiries, [contact our Support Team](#).

If you do not know the type of your hardware or when it was purchased, complete the following steps:

1. Login to SSB.
2. Navigate to Basic Settings > Troubleshooting > System debug, click Collect and save current system state info, and save the file.
3. Open a ticket at <https://support.oneidentity.com/create-service-request>.
4. Attach the file you downloaded from SSB in Step 1.
5. We will check the type of your hardware and notify you.

About this release

Welcome to syslog-ng Store Box(SSB). This document describes what is new in the latest version of SSB.

New features

New features in SSB version 6.0.3:

Version 6.0.3 is a new, more stable version of syslog-ng Store Box.

⚠ CAUTION:

syslog-ng Store Box (SSB) version 6.0.3 is supported on the following hardware:

- **syslog-ng Store Box (SSB) Appliance 3000**
- **syslog-ng Store Box (SSB) Appliance 3500**
- **syslog-ng Store Box (SSB) T1**
- **syslog-ng Store Box (SSB) T4**
- **syslog-ng Store Box (SSB) T10**

For further information, see [the hardware specifications in the Installation Guide](#).

New features between SSB 5.0 and 5.3

Operating system upgrade

In version 5.3, we have upgraded the operating system underlying the SSB appliance. The upgrade brings you a more recent and thus, more secure version of the operating system, with longer support lifetime.

Single-file firmware

Starting with version 5.3, SSB can be updated using a single firmware file instead of having to upload the core and boot firmware separately. Maintenance releases of the 5.3 line will already use this mechanism, and will be released as an ISO file. Note that upgrading to SSB 5.3 still requires two separate firmware files.

OpenSSL upgrade

The OpenSSL package in SSB has been updated. As a result, the rc4 and 3des ciphers, the sslv3 protocol, and the sha-0 digest method became unsupported. For details on the consequences of these changes, see .

HDFS destination

It is now possible to forward log messages from SSB to Hadoop Distributed File System (HDFS) servers, allowing you to store your log data on a distributed, scalable file system. This is especially useful if you have huge amounts of log messages that would be difficult to store otherwise, or if you want to process your messages using Hadoop tools. For more information, see "[Forwarding log messages to HDFS destinations](#)" in the [Administration Guide](#).

New syslog-ng version

SSB now uses syslog-ng Premium Edition version 7.0. As a result, the following features have changed:

- The **Pair separator string** option has been added to **Log > Parsers**. You can now define a character or string that separates the key-value pairs from each other.
- Reliable Log Transfer Protocol (RLTP) has been renamed to Advanced Log Transfer Protocol (ALTP).

For details on the removed features in connection with this change, see [Deprecated features](#).

Other changes and enhancements

- From SSB version 5.2.0, SSB now supports SMB 2.1 or later. This change affects your servers and clients that you use for archive, backup and shared logspace purposes. Make sure that they support SMB 2.1 or later. Otherwise these features will not work.
- On the **Log > Sources** page, several options have been rearranged to make configuring log sources easier.
- On the **Log > Sources** page, the **Do not parse** option has been added to the **Incoming log protocol and message format** section. This option completely disables syslog message parsing and stores the complete log in the message part. It is useful if incoming messages do not comply with the syslog format.

- Because of the change to syslog-ng Premium Edition version 7.0, the **Ignore ambiguous program field** option has been removed from the **Log > Sources** page, because syslog-ng PE now handles this both in case of IETF and BSD protocols.
- On the **Basic Settings > Dashboard** page, in the **syslog-ng** module, the following parameter names have changed to better represent their values:
 - **destination_stored** has been renamed to **destination_queued**.
 - **source_stored** has been renamed to **source_queued**.
- The **Firmware management** menu has been removed from the console menu.
- The **Validity** information has been removed from **Search > Peer Configuration Change**.
- The **Peer configuration - Invalid configuration signature** element has been removed from the reports.

Resolved issues

The following is a list of resolved issues addressed in this release.

Table 1: Resolved issues in SSB version 6.0.3

Resolved issue	Issue ID
A systemd service (proc-sys-fs-binfmt_misc.mount) failed to start at boot. This has been fixed.	SSB-3113
Tilde character is allowed in password when using LDAP authentication.	SSB-3185
Fixed timeout issue when committing a large, complex configuration.	SSB-3383
HTTP trace method has been disabled.	SSB-3399

Resolved issues between versions 5.0 and 5.3

The following is a list of issues addressed in this release.

Table 2: Resolved issues in SSB 5.3

Resolved Issue	Issue ID
Time is not synchronized to the secondary node In high availability (HA) installations, the NTP synchronization to the secondary node was not working in some cases. This has been fixed.	SSB-2823
Search causes 'RPC response is too big from indexer' error In some cases if the search results were too big (for example, many very long messages), the Search interface only received an 'RPC response is too big from indexer' error message instead of the search results. This has been fixed, now large search results are handled properly.	SSB-2806
Accented characters in LDAP group name cause problems SSB did not properly handle users if the groupname of their LDAP groups contained accented characters. This has been fixed.	SSB-2803
CRL is not updated When downloading the CRL from an external server, the CRL updater could get stuck when it encountered network issues, causing subsequent updates to fail as well. This has been fixed.	SSB-2788
The username field is empty in xcbLogout alerts The logout alert did not contain any username. This has been fixed.	SSB-2776
Improper shutdown in HA mode In some cases, errors occurred and error messages were displayed when shutting down the secondary node of a high availability installation. This has been fixed, now the secondary node can be shut down without any errors.	SSB-2682
Not enough shared memory error in certain HA cases In certain high availability (HA) installations, SSB sent the following alert: XCB-SNMP-MIB::description Internal Error, shm_put_var(): not enough shared memory left This has been fixed.	SSB-2379

Table 3: Security package updates in SSB 5.3

Resolved Issue	Issue ID
Security package updates The operating system of SSB has been updated in this release. As part of the operating system update, several security package updates have been incorporated into the release, including the following.	
<ul style="list-style-type: none"> • systemd <ul style="list-style-type: none"> • USN-3855-1 (https://usn.ubuntu.com/3855-1/) 	

Table 4: Security package updates in SSB 5.2

Resolved Issue	Issue ID
Security package updates	SSB-2789
<ul style="list-style-type: none"> • bind9 <ul style="list-style-type: none"> • USN-3769-1 (https://usn.ubuntu.com/3769-1/) • curl <ul style="list-style-type: none"> • USN-3765-1 (https://usn.ubuntu.com/3765-1/) • glib2.0 <ul style="list-style-type: none"> • USN-3767-1 (https://usn.ubuntu.com/3767-1/) • gnupg <ul style="list-style-type: none"> • USN-3733-1 (https://usn.ubuntu.com/3733-1/) • libgd2 <ul style="list-style-type: none"> • USN-3755-1 (https://usn.ubuntu.com/3755-1/) • libmspack <ul style="list-style-type: none"> • USN-3728-1 (https://usn.ubuntu.com/3728-1/) • libxml2 <ul style="list-style-type: none"> • USN-3739-1 (https://usn.ubuntu.com/3739-1/) • mysql-5.7 <ul style="list-style-type: none"> • USN-3725-1 (https://usn.ubuntu.com/3725-1/) • openjdk-8 <ul style="list-style-type: none"> • USN-3734-1 (https://usn.ubuntu.com/3734-1/) • php7.0 <ul style="list-style-type: none"> • USN-3766-1 (https://usn.ubuntu.com/3766-1/) • postgresql-9.5 <ul style="list-style-type: none"> • USN-3744-1 (https://usn.ubuntu.com/3744-1/) • samba <ul style="list-style-type: none"> • USN-3738-1 (https://usn.ubuntu.com/3738-1/) 	

Table 5: General resolved issues in SSB 5.1

Resolved Issue	Issue ID
Unstable indexing under high load	SSB-2760
Unresponsive indexer processes are killed and restarted by syslog-ng, and this could cause the unwanted restart of an indexer under high load. We have improved the responsiveness of the indexer in this situation.	
syslog-ng crash	SSB-2749

Resolved Issue	Issue ID
A regression in SSB 5.0.2 could cause a syslog-ng crash in certain situations. This has been fixed.	
Core dumps cannot be removed on the web interface	SSB-2742
The option to remove core dumps was missing from the Basic Settings > Troubleshooting page of the web interface. This has been fixed.	
syslog-ng memory consumption issues	SSB-2738
The size of syslog-ng's output buffers has been automatically calculated since SSB 4.9. In certain configurations, this could cause syslog-ng to use up all the memory in the system for buffering logs. The method of calculation has been rewritten to achieve a better balance between resource consumption and performance.	

Table 6: Security package updates in SSB 5.1

Resolved Issue	Issue ID
Security package updates in version 5.1	SSB-2758
<ul style="list-style-type: none"> • cups <ul style="list-style-type: none"> • USN-3713-1 (https://usn.ubuntu.com/3713-1/) • libgcrypt20 <ul style="list-style-type: none"> • USN-3689-1 (https://usn.ubuntu.com/3689-1/) • linux <ul style="list-style-type: none"> • USN-3696-1 (https://usn.ubuntu.com/3696-1/) • USN-3654-1 (https://usn.ubuntu.com/3654-1/) • ntp <ul style="list-style-type: none"> • USN-3707-1 (https://usn.ubuntu.com/3707-1/) • openssl <ul style="list-style-type: none"> • USN-3628-1 (https://usn.ubuntu.com/3628-1/) • USN-3692-1 (https://usn.ubuntu.com/3692-1/) • perl <ul style="list-style-type: none"> • USN-3684-1 (https://usn.ubuntu.com/3684-1/) • python-crypto <ul style="list-style-type: none"> • USN-3616-1 (https://usn.ubuntu.com/3616-1/) • USN-3199-1 (https://usn.ubuntu.com/3199-1/) • USN-3199-2 (https://usn.ubuntu.com/3199-2/) • python3.5 <ul style="list-style-type: none"> • USN-3496-3 (https://usn.ubuntu.com/3496-3/) • USN-3134-1 (https://usn.ubuntu.com/3134-1/) 	

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Table 7: General known issues

Known Issue	Issue ID
<p>When rebooting an SSB node under high load, it might happen that the indexer processes do not stop before the node reboots. As a result, the log messages that were indexed at the time of the reboot can be displayed incorrectly (not displayed in the search results, or misplaced on the timeline) when searching for these messages. If you experience such problems, contact our Support Team. Note that no log data is lost.</p> <p>To avoid this situation, when you want to reboot SSB, complete the following steps:</p> <ol style="list-style-type: none">1. Temporarily disable incoming log traffic: Basic Settings > System > Service control > Disable2. Wait a few minutes for the indexers to finish processing the log messages.3. Reboot SSB.4. Enable incoming log traffic: Basic Settings > System > Service control > Enable	
<p>When upgrading a high-availability SSB cluster from version 5.3 to 6.0, in some rare cases the primary node does not automatically reboot after clicking Upgrade, reboot master, and shut down slave, but displays the following error message instead:</p>	
<pre>Internal Error stream_socket_client(): unable to connect to tcp://1.2.4.1:8000 (No route to host)</pre>	
<p>To solve the problem, click System control > This node > Reboot.</p>	
<p>RSA-PSS certificates that use the RSASSA-PSS signature algorithm are currently not supported in SSB. Typically, the Active Directory - Certificate Services (AD CS) of Windows servers generate such certificates when using PKCS #1 v2.1 signatures. Do not upload such certificates. Uploading such certificates causes the SSB web interface to become inaccessible.</p>	
<p>One Identity recommends to configure your PKI systems to use an alternate signature format, for example, use the SHA256RSA signature algorithm instead.</p>	

Product licensing

To enable a trial license

1. Log in to the [Trial Licenses page](#). Watch the short demo under **How to Create a Trial License using Trial Depot?**.
2. Request a Trial License using the [Trial Depot](#).
The license keys will be emailed to you.
3. Once you have the license keys, download the ISO image from the [Free Trial of syslog-ng Store Box](#) page.

To enable a purchased commercial license

1. Navigate to [My Account > My License Assets](#) on the [support portal](#).
2. To access your license key, click **Retrieve Key** next to your product.
3. Once you have the license keys, navigate to [My Account > My Products](#) and click **Download** next to your product. The **Download Software** page is displayed.
4. Download the ISO image (install cdrom) of your product.

If you need help with accessing your license, navigate to the [Licensing Assistance](#) page, and follow the instructions on screen.

Upgrade and installation instructions

For details on upgrading to version 6.0.3, see [Upgrade Guide](#).

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For further information, see [the hardware specifications in the Installation Guide](#).

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- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

Third-party contributions

This appendix includes the open source licenses and attributions applicable to syslog-ing Store Box.

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