

syslog-ng Store Box 6.0.2

Release Notes

11 January 2021, 09:44

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 6.0.2:

Version 6.0.2 is a new, more stable version of syslog-ng Store Box.

⚠ CAUTION:

syslog-ng Store Box (SSB) version 6.0.2 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 in SSB version 6.0.1:

Version 6.0.1 is a new, more stable version of syslog-ng Store Box.

New features in SSB version 6.0:

Support for new hardware appliances

Version 6.0.2 supports the new syslog-ng Store Box Appliance 3000 and 3500 appliances. For the technical details of these appliances, see ["Hardware specifications" in the Installation Guide](#).

Enhancements

If you are using a high-availability SSB cluster, then each node provides information about its own status using a specific community. This community is the Node ID of the node (as displayed in the **Basic Settings > High Availability > This node > Node ID** field), for example, 00:56:56:6f:00:8f.

The **Address** and **Port** pair must be unique for each remote destination.

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 [Removed features](#).

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 [Removed 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.

Removed features

The following is a list of features that have been removed from SSB 5.3.0.

- Unsupported protocol: The sslv3 protocol is unsupported. Make sure that your clients support a newer protocol (at least tlsv1.0), otherwise SSB will not be able to receive log messages from them.
- Unsupported ciphers: The rc4 and 3des cipher suites are unsupported. Make sure that your clients support a cipher suite that contains more secure ciphers, otherwise SSB will not be able to receive log messages from them.
- Unsupported digest method: The sha-0 (sha) digest method cannot be used in logstores anymore. If you have a logstore that uses this digest method, you must

configure the logstore to use a different method before upgrading to SSB 5.3. Note that SSB rotates the logstore files every midnight. After changing the digest method, you must wait for the next logrotation before upgrading to SSB 5.3. For details on changing the digest method, see ["General syslog-ng settings" in the Administration Guide](#).

⚠ CAUTION:

After upgrading to SSB 5.3, you will not be able to access and search the logstore files that use the sha-0 digest method.

- The **Special > Firmware** user privilege has been removed. To upload a new firmware, the user now needs to have the **Basic Settings > System** privilege. Note that users who had only the **Special > Firmware** privilege will not be able to login to SSB after upgrading to version 5.3. For details on managing user privileges, see ["User management and access control" in the Administration Guide](#).
- Configuration changes of syslog-ng Premium Edition peers can be displayed only for peers running syslog-ng Premium Edition 3.0-6.0.x. Peers running syslog-ng Premium Edition version 7.0.x do not send such notifications. As a result, if you are forwarding the logs of an SSB node to another SSB node, such log messages will not be available. You can check the configuration changes of SSB on the **AAA > Accounting** page.

The following is a list of features that have been removed from SSB 5.2.0.

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

- The SQL source has been removed from **Log > Sources**. In connection with this, the **ssbSqlSourceAlert** alert has been removed from **Basic Settings > Alerting Monitoring**.
- The SNMP destination has been removed from **Log > Destinations**.

This means the following:

- When attempting to upgrade to version 5.2, if you are using SQL source or SNMP destination in your current SSB configuration, the upgrade process will fail. To remedy this issue, delete any SQL source or SNMP destination and retry the upgrade process.
- When attempting to import a configuration that contains SQL source or SNMP destination to a newly installed SSB, the import process will fail. To remedy this issue, start the machine that you have exported the configuration from, delete any SQL source or SNMP destination, reexport the configuration and then retry the import process.

Resolved issues

The following is a list of resolved issues and security package updates addressed in this release.

Table 1: Resolved issues in SSB version 6.0.2

Resolved issue	Issue ID
Hyper-V/Azure: Fixed Accelerated Networking	SSB-3268
Fixed a crash when the memory buffer of the disk buffer overloaded	SSB-3271

Table 2: Security package updates in SSB version 6.0.2

Security issue	Issue ID
bind9	CVE-2020-8616 CVE-2020-8617 CVE-2020-8622 CVE-2020-8623 CVE-2020-8624
busybox	CVE-2018-1000500
cups	CVE-2019-2228 CVE-2020-3898
curl	CVE-2020-8177 CVE-2020-8231
dbus	CVE-2020-12049
file	CVE-2019-8905
glibc	CVE-2017-18269 CVE-2018-11236 CVE-2018-11237 CVE-2018-19591 CVE-2019-19126 CVE-2019-9169 CVE-2020-10029 CVE-2020-1751 CVE-2020-1752
gnupg2	CVE-2019-14855
grub2	CVE-2020-10713 CVE-2020-14308

Security issue	Issue ID
	CVE-2020-14309 CVE-2020-14310 CVE-2020-14311 CVE-2020-15705 CVE-2020-15706 CVE-2020-15707
krb5	CVE-2020-28196
libgd2	CVE-2018-14553 CVE-2019-11038
libjpeg-turbo	CVE-2020-13790
libx11	CVE-2020-14344 CVE-2020-14363
libxml2	CVE-2019-19956 CVE-2020-7595
mysql-5.7	CVE-2019-14775 CVE-2020-14539 CVE-2020-14540 CVE-2020-14547 CVE-2020-14550 CVE-2020-14553 CVE-2020-14559 CVE-2020-14576 CVE-2020-14672 CVE-2020-14760 CVE-2020-14765 CVE-2020-14769 CVE-2020-14771 CVE-2020-14775 CVE-2020-14776 CVE-2020-14789 CVE-2020-14790 CVE-2020-14793 CVE-2020-14812

Security issue	Issue ID
	CVE-2020-14827
	CVE-2020-14867
	CVE-2020-14869
	CVE-2020-2570
	CVE-2020-2572
	CVE-2020-2573
	CVE-2020-2574
	CVE-2020-2577
	CVE-2020-2579
	CVE-2020-2584
	CVE-2020-2589
	CVE-2020-2660
	CVE-2020-2760
	CVE-2020-2763
	CVE-2020-2765
	CVE-2020-2780
	CVE-2020-2804
	CVE-2020-2812
	CVE-2020-2922
net-snmp	CVE-2020-15861
	CVE-2020-15862
nfs-utils	CVE-2019-3689
nss	CVE-2019-17023
	CVE-2020-12399
	CVE-2020-12400
	CVE-2020-12401
	CVE-2020-12402
	CVE-2020-12403
	CVE-2020-6829
ntp	CVE-2019-8936
openjdk-8	CVE-2020-14556
	CVE-2020-14577
	CVE-2020-14578

Security issue	Issue ID
	CVE-2020-14579
	CVE-2020-14581
	CVE-2020-14583
	CVE-2020-14593
	CVE-2020-14621
	CVE-2020-14779
	CVE-2020-14781
	CVE-2020-14782
	CVE-2020-14792
	CVE-2020-14796
	CVE-2020-14797
	CVE-2020-14798
	CVE-2020-14803
	CVE-2020-2583
	CVE-2020-2590
	CVE-2020-2593
	CVE-2020-2601
	CVE-2020-2604
	CVE-2020-2654
	CVE-2020-2659
	CVE-2020-2754
	CVE-2020-2755
	CVE-2020-2756
	CVE-2020-2757
	CVE-2020-2773
	CVE-2020-2781
	CVE-2020-2800
	CVE-2020-2803
	CVE-2020-2805
	CVE-2020-2830
openldap	CVE-2020-12243
	CVE-2020-25692
	CVE-2020-25709

Security issue	Issue ID
	CVE-2020-25710
openssl	CVE-2019-1547 CVE-2019-1549 CVE-2019-1551 CVE-2019-1563
perl	CVE-2020-10543 CVE-2020-10878 CVE-2020-12723
php-pear	CVE-2020-2894 CVE-2020-28948 CVE-2020-28949
postgresql-10	CVE-2018-1058 CVE-2020-14349 CVE-2020-14350 CVE-2020-1720 CVE-2020-25694 CVE-2020-25695 CVE-2020-25696
python3.6	CVE-2018-20852 CVE-2019-10160 CVE-2019-16056 CVE-2019-16935 CVE-2019-17514 CVE-2019-18348 CVE-2019-20907 CVE-2019-5010 CVE-2019-9636 CVE-2019-9674 CVE-2019-9740 CVE-2019-9947 CVE-2019-9948 CVE-2020-14422 CVE-2020-26116

Security issue	Issue ID
	CVE-2020-8492
python-cryptography	CVE-2020-25659
samba	CVE-2020-10704 CV2020-14303 CVE-2020-14318 CVE-2020-14323 CVE-2020-14383 CVE-2020-1472 CVE-2020-10730 CVE-2020-10745 CVE-2020-10760
sqlite3	CVE-2018-8740 CVE-2019-13734 CVE-2019-13750 CVE-2019-13751 CVE-2019-13752 CVE-2019-13753 CVE-2019-19923 CVE-2019-19924 CVE-2019-19925 CVE-2019-19926 CVE-2019-19959 CVE-2019-20218 CVE-2020-13434 CVE-2020-13630 CVE-2020-13632 CVE-2020-9327
sudo	CVE-2019-18634
systemd	CVE-2019-20386 CVE-2019-384 CVE-2019-3843 CVE-2019-3844 CVE-2020-1712

Security issue	Issue ID	
tcpdump	CVE-2017-16808	
	CVE-2018-10103	
	CVE-2018-10105	
	CVE-2018-14461	
	CVE-2018-14462	
	CVE-2018-14463	
	CVE-2018-14464	
	CVE-2018-14465	
	CVE-2018-14466	
	CVE-2018-14467	
	CVE-2018-14468	
	CVE-2018-14469	
	CVE-2018-14470	
	CVE-2018-14879	
	CVE-2018-14880	
	CVE-2018-14881	
	CVE-2018-14882	
	CVE-2018-16227	
	CVE-2018-16228	
	CVE-2018-16229	
	CVE-2018-16230	
	CVE-2018-16300	
	CVE-2018-16451	
	CVE-2018-16452	
	CVE-2018-19519	
	CVE-2019-1010220	
	CVE-2019-15166	
	CVE-2019-15167	
	util-linux	CVE-2018-7738
	vim	CVE-2018-20786
CVE-2019-20079		
CVE-2019-20807		

Table 3: Resolved issues and security package updates in SSB 6.0.1

Resolved Issue	Issue ID
Security package updates	
• bind9	
CVE-2018-5743	
CVE-2019-6471	
CVE-2019-6477	
• cups	
CVE-2019-86	
CVE-2019-8675	
CVE-2019-8696	
• curl	
CVE-2019-5346	
CVE-2019-5481	
CVE-2019-5482	
• file	
CVE-2019-18218	
• glib2.0	
CVE-2019-12450	
CVE-2019-13012	
• libjpeg-turbo	
CVE-2018-14498	
CVE-2019-2201	
• libmspack	
CVE-2019-1010305	
• libpng1.6	
CVE-2019-7317	
• linux	
CVE-2018-12126	
CVE-2018-12127	
CVE-2018-12130	
CVE-2018-12207	
CVE-2018-14678	
CVE-2018-16884	
CVE-2018-18021	

Resolved Issue**Issue ID**

CVE-2018-19824
CVE-2018-20976
CVE-2018-21008
CVE-2018-3620
CVE-2018-3639
CVE-2018-3646
CVE-2018-5383
CVE-2019-0154
CVE-2019-0155
CVE-2019-10126
CVE-2019-11085
CVE-2019-11091
CVE-2019-11135
CVE-2019-1125
CVE-2019-11478
CVE-2019-11479
CVE-2019-11815
CVE-2019-11833
CVE-2019-11884
CVE-2019-12614
CVE-2019-12818
CVE-2019-12819
CVE-2019-12984
CVE-2019-13233
CVE-2019-13272
CVE-2019-14283
CVE-2019-14284
CVE-2019-14835
CVE-2019-14895
CVE-2019-14896
CVE-2019-14897
CVE-2019-14901
CVE-2019-15030

Resolved Issue**Issue ID**

-
- CVE-2019-15031
 - CVE-2019-15098
 - CVE-2019-17666
 - CVE-2019-18660
 - CVE-2019-19083
 - CVE-2019-2101
 - CVE-2019-3459
 - CVE-2019-3460
 - CVE-2019-3846
 - CVE-2019-3874
 - CVE-2019-3882
 - CVE-2019-6974
 - CVE-2019-7221
 - CVE-2019-7222
 - CVE-2019-7308
 - CVE-2019-8912
 - CVE-2019-8980
 - CVE-2019-9213
 - CVE-2019-9500
 - CVE-2019-9503
 - mysql-5.7
 - CVE-2019-2566
 - CVE-2019-2581
 - CVE-2019-2592
 - CVE-2019-2614
 - CVE-2019-2627
 - CVE-2019-2628
 - CVE-2019-2632
 - CVE-2019-2683
 - CVE-2019-2737
 - CVE-2019-2738
 - CVE-2019-2739
 - CVE-2019-2740

Resolved Issue**Issue ID**

-
- CVE-2019-2741
 - CVE-2019-2757
 - CVE-2019-2758
 - CVE-2019-2774
 - CVE-2019-2778
 - CVE-2019-2791
 - CVE-2019-2797
 - CVE-2019-2805
 - CVE-2019-2819
 - CVE-2019-2910
 - CVE-2019-2911
 - CVE-2019-2914
 - CVE-2019-2922
 - CVE-2019-2923
 - CVE-2019-2924
 - CVE-2019-2938
 - CVE-2019-2946
 - CVE-2019-2948
 - CVE-2019-2960
 - CVE-2019-2969
 - CVE-2019-2974
 - CVE-2019-2993
 - nss
 - CVE-2019-11719
 - CVE-2019-11729
 - CVE-2019-11745
 - CVE-2019-17006
 - CVE-2019-17007
 - openldap
 - CVE-2019-13057
 - CVE-2019-13565
 - openssl
 - CVE-2018-0732

Resolved Issue**Issue ID**

-
- CVE-2018-0734
 - CVE-2018-0735
 - CVE-2018-0737
 - CVE-2019-1543
 - open-vm-tools
 - CVE-2013-3237
 - CVE-2014-4199
 - CVE-2015-5191
 - perl
 - CVE-2018-12015
 - CVE-2018-18311
 - CVE-2018-18312
 - CVE-2018-18313
 - CVE-2018-18314
 - CVE-2018-6797
 - CVE-2018-6798
 - CVE-2018-6913
 - php7.2
 - CVE-2019-11034
 - CVE-2019-11035
 - CVE-2019-11036
 - CVE-2019-11039
 - CVE-2019-11040
 - CVE-2019-11041
 - CVE-2019-11042
 - CVE-2019-11043
 - CVE-2019-11045
 - CVE-2019-11046
 - CVE-2019-11047
 - CVE-2019-11050
 - CVE-2019-9637
 - CVE-2019-9638
 - CVE-2019-9639
 - CVE-2019-9640

Resolved Issue**Issue ID**

-
- CVE-2019-9641
 - CVE-2019-9675
 - postgresql-10
 - CVE-2019-10130
 - CVE-2019-10164
 - CVE-2019-10208
 - python2.7
 - CVE-2018-1000802
 - CVE-2018-14647
 - CVE-2018-20852
 - CVE-2019-10160
 - CVE-2019-16056
 - CVE-2019-16935
 - CVE-2019-5010
 - CVE-2019-9636
 - CVE-2019-9740
 - CVE-2019-9947
 - CVE-2019-9948
 - python3.6
 - CVE-2018-20852
 - CVE-2019-10160
 - CVE-2019-16056
 - CVE-2019-16935
 - CVE-2019-5010
 - CVE-2019-9636
 - CVE-2019-9740
 - CVE-2019-9947
 - CVE-2019-9948
 - python-crypto
 - CVE-2018-6594
 - samba
 - CVE-2018-16860
 - CVE-2019-10218

Resolved Issue	Issue ID
CVE-2019-14833	
CVE-2019-14847	
CVE-2019-14861	
CVE-2019-14870	
CVE-2019-14902	
CVE-2019-14907	
CVE-2019-3880	
<ul style="list-style-type: none"> systemd 	
CVE-2019-15718	
CVE-2019-3842	
<ul style="list-style-type: none"> tiff 	
CVE-2019-14973	
CVE-2019-17546	
<ul style="list-style-type: none"> wget 	
CVE-2018-20483	
CVE-2019-5953	
The slave node could not be joined to make an asynchronous HA cluster. This has been fixed.	SSB-3053
The NTLM SSP security option is added to the supported CIFS security methods.	SSB-3052
Clarified the right way of using certificate chains with remote logspaces	SSB-3056
The licensed hosts list used to grow incrementally when a new host appeared, but we never deleted the hosts no longer in service. This has been fixed.	SSB-2368
This is the OpenSSL version in SSB 6.0.0 LTS: OpenSSL 1.1.0g-2ubuntu4.3bb1 and it does not support RSA PSS signed certificates from Microsoft ADCS. The customer ran into that as their web server did not start and had to replace the certificate manually via SSH. This has been fixed.	SSB-3075

Table 4: Resolved issues in SSB 6.0.0

Resolved Issue	Issue ID
Security package updates	SSB-2920
avahi usn-3876-1 (https://usn.ubuntu.com/3876-1/)	
bind9 usn-3893-1 (https://usn.ubuntu.com/3893-1/)	
curl usn-3882-1 (https://usn.ubuntu.com/3882-1/)	

Resolved Issue**Issue ID**

file usn-3911-1 (<https://usn.ubuntu.com/3911-1/>)

libgd2 usn-3900-1 (<https://usn.ubuntu.com/3900-1/>)

linux

- usn-3931-1 (<https://usn.ubuntu.com/3931-1/>)
- usn-3901-1 (<https://usn.ubuntu.com/3901-1/>)
- usn-3871-1 (<https://usn.ubuntu.com/3871-1/>)
- usn-3847-1 (<https://usn.ubuntu.com/3847-1/>)

mysql-5.7 usn-3867-1 (<https://usn.ubuntu.com/3867-1/>)

nss usn-3898-1 (<https://usn.ubuntu.com/3898-1/>)

openssh usn-3885-1 (<https://usn.ubuntu.com/3885-1/>)

usn-3885-2 (<https://usn.ubuntu.com/3885-2/>)

perl usn-3834-1 (<https://usn.ubuntu.com/3834-1/>)

systemd usn-3891-1 (<https://usn.ubuntu.com/3891-1/>)

Internal log message fragmentation

SSB-2906

Logs from the boot firmware's systemd journal were getting fragmented into multiple lines. This has now been fixed.

Indexer instance crash

SSB-2863

Indexer instances could crash when the archive directory was scanned while logindexd was shutting down. This has now been fixed.

Duplicate destinations error

SSB-2515

Multiple destinations pointing to the same protocol, port and host resulted in syslog-ng failing to start. Now committing this type of configuration is prevented by the web UI. Upgrade checks now prevent upgrades with such configuration.

CRL files are not cleaned up in SSB

SSB-2376

CRL files of CAs were left on the device and not cleaned up properly. This has been fixed.

Alert emails are not sent

SSB-2865

If SNMP alerts were not configured, SSB did not send any email alerts. This has been corrected, now SSB sends e-mail alerts properly if only email alerts are selected and the SNMP server is not configured.

Resolved issues between versions 5.0 and 5.3

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

Table 5: 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 6: Security package updates in SSB 5.3

Resolved Issue	Issue ID
Security package updates	

Resolved Issue**Issue ID**

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.

- systemd
 - USN-3855-1 (<https://usn.ubuntu.com/3855-1/>)

Table 7: 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 8: General resolved issues in SSB 5.1

Resolved Issue	Issue ID
<p>Unstable indexing under high load</p> <p>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.</p>	SSB-2760
<p>syslog-ng crash</p> <p>A regression in SSB 5.0.2 could cause a syslog-ng crash in certain situations. This has been fixed.</p>	SSB-2749
<p>Core dumps cannot be removed on the web interface</p> <p>The option to remove core dumps was missing from the Basic Settings > Troubleshooting page of the web interface. This has been fixed.</p>	SSB-2742
<p>syslog-ng memory consumption issues</p> <p>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.</p>	SSB-2738

Table 9: Security package updates in SSB 5.1

Resolved Issue	Issue ID
<p>Security package updates in version 5.1</p> <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/) 	SSB-2758

Resolved Issue

Issue ID

- python-crypto
 - 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
 - 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 10: 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	

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:

Internal Error

```
stream_socket_client(): unable to connect to tcp://1.2.4.1:8000 (No route to host)
```

To solve the problem, click **System control > This node > Reboot**.

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.

One Identity recommends to configure your PKI systems to use an alternate signature format, for example, use the SHA256RSA signature algorithm instead.

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Upgrade and installation instructions

For details on upgrading to version 6.0.2, see [Upgrade Guide](#).

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, [Subsection 2d](#) requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Section 3

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

Section 4

You may copy and distribute the Library (or a portion or derivative of it, under [Section 2](#)) in object code or executable form under the terms of [Section 1](#) and [Section 2](#) above provided that you accompany it with the complete corresponding machine-readable source code,

which must be distributed under the terms of [Section 1](#) and [Section 2](#) above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

Section 5

A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of [Section 6](#). Any executables containing that work also fall under [Section 6](#), whether or not they are linked directly with the Library itself.

Section 6

As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a. Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be

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- b. Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in [Subsection 6a](#), above, for a charge no more than the cost of performing this distribution.
- d. If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e. Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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