

syslog-ng Open Source Edition 3.21

Release Notes

June 2019

These release notes provide information about the syslog-ng Open Source Edition release.

Supported platforms

The syslog-ng Open Source Edition application is highly portable and is known to run on a wide range of hardware architectures (x86, x86_64, SUN Sparc, PowerPC 32 and 64, Alpha) and operating systems, including Linux, BSD, Solaris, IBM AIX, HP-UX, Mac OS X, Cygwin, Tru64, and others.

- The source code of syslog-ng Open Source Edition is released under the GPLv2 license and is [available on GitHub](#).
- See the [Downloads page](#) for binary packages.

What is new in syslog-ng Open Source Edition 3.21?

Version 3.21 of syslog-ng Open Source Edition includes the following main features.

HTTP-based Elasticsearch destination

Add a native, HTTP based destination Elasticsearch, called `elasticsearch-http()`, as an alternative of the Java-based destination. This destination does not requires Java, and has smaller resource requirements. Eventually, we expect this destination to replace the Java implementation. For details, see "[elasticsearch-http: Sending messages to Elasticsearch HTTP Bulk API](#)" in the [Administration Guide](#).

C-based Kafka destination

Add a native destination based on the librdkafka library, as an alternative of the Java-based destination. This destination does not require Java, and has smaller resource requirements. Eventually, we expect this destination to replace the Java implementation. Note that this destination requires a very recent version of librdkafka. For details, see "[kafka: Publishing messages to Apache Kafka \(C implementation\)](#)" in the [Administration Guide](#).

New parser

The CheckPoint LogExporter parser can parse CheckPoint log messages, and join the related multiline log messages into a single log message. For details, see [Administration Guide](#).

New template functions

The `$(implode)` and `$(explode)` template functions allow you to split and join strings based on a simple separator. The exploded array is represented as a syslog-ng list that can be manipulated with the `$(list-*)` template functions. For details, see "[Template functions of syslog-ng OSE](#)" in the [Administration Guide](#).

Enhancements

- The `amqp()` destination now supports the heartbeat and the external authentication mechanisms of AMQP. For details, see "[amqp: Publishing messages using AMQP](#)" in the [Administration Guide](#).
- The `graylog2()` destination now supports the TLS and the UDP transport mechanisms. For details, see "[Sending logs to Graylog](#)" in the [Administration Guide](#).
- The `apache-accesslog-parser()` now supports `vhost:port` as the first field of the log message in common and combined log formats.
- The `grouping-by()` parser now can order the messages of the context by using the `sort-key()` option.
- You can automatically determine the timezone of an incoming log message if the incoming stream is close to real time, and the timezone information is missing from the timestamp. You can enable this feature by using the `flags(guess-timezone)` option in sources and the `date-parser()`.
- Until now, the `syslog()` source automatically closed the connection to the sender if it received a message that was longer than the value of the `log-msg-size()` option. From now on, if you set the `trim-large-messages()` option to `yes`, syslog-ng OSE only truncates the message to `log-msg-size()`, and sends a log message to the `internal()` source as notification about the truncation.
- You can now set the maximum size of spoofed datagrams in `udp()` destinations by using the `spooof-source-max-msglen()` option. Earlier, this size was hard-wired to 1024 bytes.
- The `--omit-empty-values` option for destinations and template functions using `value-`

pairs allows you to skip empty value-pairs in the output.

- When parsing and classifying log messages with `db-parser()`, syslog-ng OSE so far used the value of the `$PROGRAM` field to determine which patterns to match to the incoming message. Now you can use `program-template()` option to customize the value which selects the patterns to use. For details, see "[Using pattern databases](#)" in the [Administration Guide](#).
- The `pdbtool merge` tool can now sort the resulting database using the `sort` option. For details, see the `pdbtool` manual page.

Resolved issues

For a detailed list of issues resolved in this release, see [syslog-ng Releases page](#).

Known issues

For a detailed list of issues resolved in this release, see the [syslog-ng Issues page](#).

Product licensing

Starting with version 3.2, the syslog-ng Open Source Edition application is licensed under a combined LGPL+GPL license. The core of syslog-ng OSE is licensed under the GNU Lesser General Public License Version 2.1 license, while the rest of the codebase is licensed under the GNU General Public License Version 2 license.



NOTE:

Practically, the code stored under the `lib` directory of the source code package is under LGPL, the rest is GPL.

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Upgrade and installation instructions

To install or upgrade syslog-ng Open Source Edition, follow the instructions in the syslog-ng Open Source Edition Administration Guide.

More resources

Additional information is available from the following:

- [Online product documentation](#)

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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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distributed under [Section 1](#) and [Section 2](#) above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- 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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Section 7

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