

syslog-ng Open Source Edition 3.37

Release Notes

29 September 2022, 13:14

These release notes provide information about the syslog-ng Open Source Edition release. For the most recent documents and product information, see [syslog-ng Open Source Edition - Technical Documentation](#).

About this release

The syslog-ng Open Source Edition (syslog-ng OSE) application is a flexible and highly scalable system logging application that is ideal for creating centralized and trusted logging solutions.

Supported platforms

The syslog-ng Open Source Edition (syslog-ng OSE) 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, 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.

New features in syslog-ng Open Source Edition version 3.37

This section lists the most recent changes of syslog-ng Open Source Edition (syslog-ng OSE).

- **New source: mqtt()**
You can use the `mqtt()` source to fetch messages from MQTT brokers.
- **New destination: discord()**
The `discord()` destination driver sends messages to [Discord](#) using [Discord Webhook](#).
- **New parser: fortigate-parser()**
The Fortigate parser can parse the log messages of FortiGate/FortiOS (Fortigate Next-Generation Firewall (NGFW)). These messages do not completely comply with the syslog RFCs, making them difficult to parse. The `fortigate-parser()` of syslog-ng OSE solves this problem, and can separate these log messages to name-value pairs. For details on using value-pairs in syslog-ng OSE see [Structuring macros, metadata, and other value-pairs](#). The parser can parse messages in the following format:
- **New parser: regexp-parser()**
The syslog-ng OSE application can parse fields from a message with the help of regular expressions. This can be also achieved with the `match()` filter, by setting the `store-matches` flag, but the `regexp-parser()` offers more flexibility, like multiple patterns and setting the prefix of the created name-value pairs.
- **New filter: rate-limit()**
Limits messages rate based on arbitrary keys in each message.
- **New options for the kafka() destination C implementation**
Options `batch-lines()` and `batch-timeout()` have been added.
- **New options for the kafka() destination C implementation**
Options `batch-lines()` and `batch-timeout()` have been added.
- **New option value: transport("text-with-nuls")**
`text-with-nuls`: Allows embedded **NUL** characters in the message from a TCP source, that is, syslog-ng OSE will not delimit the incoming messages on **NUL** characters, only on **newline** characters (contrary to `tcp` transport, which splits the incoming log on **newline** characters and **NUL** characters).
- **New option for file() destination: symlink-as()**
The configured file name will be used as a symbolic link to the last created file by file destination.
- **New options for redis() destination driver**
Added `workers()` and Match mode support to the Redis destination driver.
- **New --remove-orphans option in syslog-ng-ctl stats**

New option `--remove-orphans` has been added to the `stats` command.

- **New options for the `mongodb()` destination**

Options `collection()` and `workers()` have been added.

- **`disk-buffer()` has been updated**

New option: `truncate-size-ratio()`, and other changes.

- **`time-reopen()` option on multiple drivers**

The `time-reopen()` option was only configurable on the `global options{}` level. Now every driver, which utilizes it can configure it on the driver level.

- **New flag(): `no-rfc3164-fallback`**

This flag allows to attempt parsing RFC5424 first without an automatic fallback to RFC3164.

- **New TLS option: `keylog-file()`**

This option enables saving TLS secrets (decryption keys) for a given source or destination, which can be used to decrypt data with, for example, Wireshark. The given path and name of a file will be used to save these secrets.

- **Other enhancements**

- Monitoring - Metrics: message size and EPS.
- Update the `no-parse` flag.
- Added a note to the `disk-buffer()` `dir()` path.
- Added macOS and NetBSD to the `system()` source.

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](#).

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Upgrade and installation instructions

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

More resources

Additional information is available from the following:

- [Online product documentation](#)

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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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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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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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- 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.
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- 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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