

# syslog-ng Open Source Edition 3.18

## Release Notes

### November 2018

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 3.18?

Version 3.18 of syslog-ng Open Source Edition includes the following main features.

### Batch support in the http() destination driver

The http() destination can now send a batch of log messages in a single HTTP request, greatly improving the performance. In addition, this feature also allows you to post proper JSON-encoded arrays as POST payloads, which is required by several REST APIs. For details, see [Administration Guide](#).

## Write your own destination in Python

Extending syslog-ng OSE in Python has been supported for several releases, but so far this feature was mostly undocumented. Now you can find more details about this feature in ["python: writing custom Python destinations" in the Administration Guide](#).

## Write your own message source in Python

Starting with syslog-ng OSE version 3.18, you can write custom message sources in Python. Both server-style and fetcher-style sources are supported. For more details, see ["python: writing server-style Python sources" in the Administration Guide](#) and ["python-fetcher: writing fetcher-style Python sources" in the Administration Guide](#).

## Enhancements

- When `hdfs-append-enabled` is set to `true`, syslog-ng OSE will append new data to the end of an already existing HDFS file. Note that in this case, archiving is automatically disabled, and syslog-ng OSE will ignore the `hdfs-archive-dir` option.
- The `hdfs` destination now supports the `time-reap()` option.
- The `urlencode()` template function has been renamed to `url-encode()`. Also, the `telegram()` destination now automatically encodes the messages.
- New template functions are available: `url-decode()` and `base64-encode()`. For details, see ["Template functions of syslog-ng OSE" in the Administration Guide](#).
- The `syslog-ng-ctl config` command can display the contents of the configuration file that syslog-ng OSE is currently running.
- The `rekey` option of `value-pairs()` now supports a new transformation: `shift-levels`. It cuts dot-delimited "levels" in the name (including the initial dot). For example, `--shift-levels 2` deletes the prefix up to the second dot in the name of the key: `.iptables.SRC` becomes `SRC`  
For details, see ["value-pairs\(\)" in the Administration Guide](#).
- The `value-pairs()` option now has a new scope: `none`. This scope resets previously added scopes, making it possible to get remove automatically added name-value pairs from the scope.  
For details, see ["value-pairs\(\)" in the Administration Guide](#).
- When receiving messages with the `default-network-drivers()` source, syslog-ng OSE now automatically sets the `$.app.name` name-value pair to the name of the application that sent the log message.  
For details, see ["default-network-drivers: Receive and parse common syslog messages" in the Administration Guide](#).

## Deprecated features

The `elasticsearch()` destination has been deprecated, because it supports only ElasticSearch version 1.x, which has been End-of-Life since January, 2017. Use the `elasticsearch2()` destination instead.

## 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.

**i** NOTE:

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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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## Section 6

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