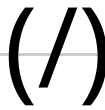


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[Logstash Reference \[5.3\] \(index.html\)](#) » [Filter plugins](#)[« zeromq \(plugins-outputs-zeromq.html\)](#)[age » \(plugins-filters-age.html\)](#)

# Filter plugins [edit https://github.com/elastic/logstash/edit/5.3/..logstash-docs/docs/plugins/filters.asciidoc](https://github.com/elastic/logstash/edit/5.3/..logstash-docs/docs/plugins/filters.asciidoc)

A filter plugin performs intermediary processing on an event. Filters are often applied conditionally depending on the characteristics of the event.

The following filter plugins are available below. For a list of Elastic supported plugins, please consult the Support Matrix ([https://www.elastic.co/support/matrix#show\\_logstash\\_plugins](https://www.elastic.co/support/matrix#show_logstash_plugins)).

Plugin	Description	Github repository
<a href="#">age (plugins-filters-age.html)</a>	Calculates the age of an event.	<a href="#">logstash-filter-age (https://github.com/logstash-plugins/logstash-filter-age)</a>
<a href="#">aggregate (plugins-filters-aggregate.html)</a>	Aggregates information from several events originating with a single task	<a href="#">logstash-filter-aggregate (https://github.com/logstash-plugins/logstash-filter-aggregate)</a>
<a href="#">alter (plugins-filters-alter.html)</a>	Performs general alterations to fields that the <code>mutate</code> filter does not handle	<a href="#">logstash-filter-alter (https://github.com/logstash-plugins/logstash-filter-alter)</a>

anonymize (plugins-filters-anonymize.html)	Replaces field values with a consistent hash	logstash-filter-anonymize ( <a href="https://github.com/logstash-plugins/logstash-filter-anonymize">https://github.com/logstash-plugins/logstash-filter-anonymize</a> )
cidr (plugins-filters-cidr.html)	Checks IP addresses against a list of network blocks	logstash-filter-cidr ( <a href="https://github.com/logstash-plugins/logstash-filter-cidr">https://github.com/logstash-plugins/logstash-filter-cidr</a> )
cipher (plugins-filters-cipher.html)	Applies or removes a cipher to an event	logstash-filter-cipher ( <a href="https://github.com/logstash-plugins/logstash-filter-cipher">https://github.com/logstash-plugins/logstash-filter-cipher</a> )
clone (plugins-filters-clone.html)	Duplicates events	logstash-filter-clone ( <a href="https://github.com/logstash-plugins/logstash-filter-clone">https://github.com/logstash-plugins/logstash-filter-clone</a> )
collate (plugins-filters-collate.html)	Collates events by time or count	logstash-filter-collate ( <a href="https://github.com/logstash-plugins/logstash-filter-collate">https://github.com/logstash-plugins/logstash-filter-collate</a> )
csv (plugins-filters-csv.html)	Parses comma-separated value data into individual fields	logstash-filter-csv ( <a href="https://github.com/logstash-plugins/logstash-filter-csv">https://github.com/logstash-plugins/logstash-filter-csv</a> )
date (plugins-filters-date.html)	Parses dates from fields to use as the Logstash timestamp for an event	logstash-filter-date ( <a href="https://github.com/logstash-plugins/logstash-filter-date">https://github.com/logstash-plugins/logstash-filter-date</a> )
de_dot (plugins-filters-de_dot.html)	Computationally expensive filter that removes dots from a field name	logstash-filter-de_dot ( <a href="https://github.com/logstash-plugins/logstash-filter-de_dot">https://github.com/logstash-plugins/logstash-filter-de_dot</a> )
dissect (plugins-filters-dissect.html)	Extracts unstructured event data into fields using delimiters	logstash-filter-dissect ( <a href="https://github.com/logstash-plugins/logstash-filter-dissect">https://github.com/logstash-plugins/logstash-filter-dissect</a> )
dns (plugins-filters-dns.html)	Performs a standard or reverse DNS lookup	logstash-filter-dns ( <a href="https://github.com/logstash-plugins/logstash-filter-dns">https://github.com/logstash-plugins/logstash-filter-dns</a> )

drop (plugins-filters-drop.html)	Drops all events	logstash-filter-drop ( <a href="https://github.com/logstash-plugins/logstash-filter-drop">https://github.com/logstash-plugins/logstash-filter-drop</a> )
elapsed (plugins-filters-elapsed.html)	Calculates the elapsed time between a pair of events	logstash-filter-elapsed ( <a href="https://github.com/logstash-plugins/logstash-filter-elapsed">https://github.com/logstash-plugins/logstash-filter-elapsed</a> )
elasticsearch (plugins-filters-elasticsearch.html)	Copies fields from previous log events in Elasticsearch to current events	logstash-filter-elasticsearch ( <a href="https://github.com/logstash-plugins/logstash-filter-elasticsearch">https://github.com/logstash-plugins/logstash-filter-elasticsearch</a> )
emoji (plugins-filters-emoji.html)	Maps syslog severity to emojis	logstash-filter-emoji ( <a href="https://github.com/logstash-plugins/logstash-filter-emoji">https://github.com/logstash-plugins/logstash-filter-emoji</a> )
environment (plugins-filters-environment.html)	Stores environment variables as metadata sub-fields	logstash-filter-environment ( <a href="https://github.com/logstash-plugins/logstash-filter-environment">https://github.com/logstash-plugins/logstash-filter-environment</a> )
extractnumbers (plugins-filters-extractnumbers.html)	Extracts numbers from a string	logstash-filter-extractnumbers ( <a href="https://github.com/logstash-plugins/logstash-filter-extractnumbers">https://github.com/logstash-plugins/logstash-filter-extractnumbers</a> )
fingerprint (plugins-filters-fingerprint.html)	Fingerprints fields by replacing values with a consistent hash	logstash-filter-fingerprint ( <a href="https://github.com/logstash-plugins/logstash-filter-fingerprint">https://github.com/logstash-plugins/logstash-filter-fingerprint</a> )
geoip (plugins-filters-geoip.html)	Adds geographical information about an IP address	logstash-filter-geoip ( <a href="https://github.com/logstash-plugins/logstash-filter-geoip">https://github.com/logstash-plugins/logstash-filter-geoip</a> )
grok (plugins-filters-grok.html)	Parses unstructured event data into fields	logstash-filter-grok ( <a href="https://github.com/logstash-plugins/logstash-filter-grok">https://github.com/logstash-plugins/logstash-filter-grok</a> )

i18n (plugins-filters-i18n.html)	Removes special characters from a field	logstash-filter-i18n ( <a href="https://github.com/logstash-plugins/logstash-filter-i18n">https://github.com/logstash-plugins/logstash-filter-i18n</a> )
jdbc_streaming (plugins-filters-jdbc_streaming.html)	Enrich events with your database data	logstash-filter-jdbc_streaming ( <a href="https://github.com/logstash-plugins/logstash-filter-jdbc_streaming">https://github.com/logstash-plugins/logstash-filter-jdbc_streaming</a> )
json (plugins-filters-json.html)	Parses JSON events	logstash-filter-json ( <a href="https://github.com/logstash-plugins/logstash-filter-json">https://github.com/logstash-plugins/logstash-filter-json</a> )
json_encode (plugins-filters-json_encode.html)	Serializes a field to JSON	logstash-filter-json_encode ( <a href="https://github.com/logstash-plugins/logstash-filter-json_encode">https://github.com/logstash-plugins/logstash-filter-json_encode</a> )
kv (plugins-filters-kv.html)	Parses key-value pairs	logstash-filter-kv ( <a href="https://github.com/logstash-plugins/logstash-filter-kv">https://github.com/logstash-plugins/logstash-filter-kv</a> )
metaevent (plugins-filters-metaevent.html)	Adds arbitrary fields to an event	logstash-filter-metaevent ( <a href="https://github.com/logstash-plugins/logstash-filter-metaevent">https://github.com/logstash-plugins/logstash-filter-metaevent</a> )
metricize (plugins-filters-metricize.html)	Takes complex events containing a number of metrics and splits these up into multiple events, each holding a single metric	logstash-filter-metricize ( <a href="https://github.com/logstash-plugins/logstash-filter-metricize">https://github.com/logstash-plugins/logstash-filter-metricize</a> )
metrics (plugins-filters-metrics.html)	Aggregates metrics	logstash-filter-metrics ( <a href="https://github.com/logstash-plugins/logstash-filter-metrics">https://github.com/logstash-plugins/logstash-filter-metrics</a> )
mutate (plugins-filters-mutate.html)	Performs mutations on fields	logstash-filter-mutate ( <a href="https://github.com/logstash-plugins/logstash-filter-mutate">https://github.com/logstash-plugins/logstash-filter-mutate</a> )

oui (plugins-filters-oui.html)	Parse OUI data from MAC addresses	logstash-filter-oui ( <a href="https://github.com/logstash-plugins/logstash-filter-oui">https://github.com/logstash-plugins/logstash-filter-oui</a> )
prune (plugins-filters-prune.html)	Prunes event data based on a list of fields to blacklist or whitelist	logstash-filter-prune ( <a href="https://github.com/logstash-plugins/logstash-filter-prune">https://github.com/logstash-plugins/logstash-filter-prune</a> )
punct (plugins-filters-punct.html)	Strips all non-punctuation content from a field	logstash-filter-punct ( <a href="https://github.com/logstash-plugins/logstash-filter-punct">https://github.com/logstash-plugins/logstash-filter-punct</a> )
range (plugins-filters-range.html)	Checks that specified fields stay within given size or length limits	logstash-filter-range ( <a href="https://github.com/logstash-plugins/logstash-filter-range">https://github.com/logstash-plugins/logstash-filter-range</a> )
ruby (plugins-filters-ruby.html)	Executes arbitrary Ruby code	logstash-filter-ruby ( <a href="https://github.com/logstash-plugins/logstash-filter-ruby">https://github.com/logstash-plugins/logstash-filter-ruby</a> )
sleep (plugins-filters-sleep.html)	Sleeps for a specified time span	logstash-filter-sleep ( <a href="https://github.com/logstash-plugins/logstash-filter-sleep">https://github.com/logstash-plugins/logstash-filter-sleep</a> )
split (plugins-filters-split.html)	Splits multi-line messages into distinct events	logstash-filter-split ( <a href="https://github.com/logstash-plugins/logstash-filter-split">https://github.com/logstash-plugins/logstash-filter-split</a> )
syslog_pri (plugins-filters-syslog_pri.html)	Parses the PRI (priority) field of a syslog message	logstash-filter-syslog_pri ( <a href="https://github.com/logstash-plugins/logstash-filter-syslog_pri">https://github.com/logstash-plugins/logstash-filter-syslog_pri</a> )
throttle (plugins-filters-throttle.html)	Throttles the number of events	logstash-filter-throttle ( <a href="https://github.com/logstash-plugins/logstash-filter-throttle">https://github.com/logstash-plugins/logstash-filter-throttle</a> )
tld (plugins-filters-tld.html)	Replaces the contents of the default message field with whatever you specify in the configuration	logstash-filter-tld ( <a href="https://github.com/logstash-plugins/logstash-filter-tld">https://github.com/logstash-plugins/logstash-filter-tld</a> )

translate (plugins-filters-translate.html)	Replaces field contents based on a hash or YAML file	logstash-filter-translate ( <a href="https://github.com/logstash-plugins/logstash-filter-translate">https://github.com/logstash-plugins/logstash-filter-translate</a> )
truncate (plugins-filters-truncate.html)	Truncates fields longer than a given length	logstash-filter-truncate ( <a href="https://github.com/logstash-plugins/logstash-filter-truncate">https://github.com/logstash-plugins/logstash-filter-truncate</a> )
urldecode (plugins-filters-urldecode.html)	Decodes URL-encoded fields	logstash-filter-urldecode ( <a href="https://github.com/logstash-plugins/logstash-filter-urldecode">https://github.com/logstash-plugins/logstash-filter-urldecode</a> )
useragent (plugins-filters-useragent.html)	Parses user agent strings into fields	logstash-filter-useragent ( <a href="https://github.com/logstash-plugins/logstash-filter-useragent">https://github.com/logstash-plugins/logstash-filter-useragent</a> )
uuid (plugins-filters-uuid.html)	Adds a UUID to events	logstash-filter-uuid ( <a href="https://github.com/logstash-plugins/logstash-filter-uuid">https://github.com/logstash-plugins/logstash-filter-uuid</a> )
xml (plugins-filters-xml.html)	Parses XML into fields	logstash-filter-xml ( <a href="https://github.com/logstash-plugins/logstash-filter-xml">https://github.com/logstash-plugins/logstash-filter-xml</a> )
yaml (plugins-filters-yaml.html)	Takes an existing field that contains YAML and expands it into an actual data structure within the Logstash event	logstash-filter-yaml ( <a href="https://github.com/logstash-plugins/logstash-filter-yaml">https://github.com/logstash-plugins/logstash-filter-yaml</a> )
zeromq (plugins-filters-zeromq.html)	Sends an event to ZeroMQ	logstash-filter-zeromq ( <a href="https://github.com/logstash-plugins/logstash-filter-zeromq">https://github.com/logstash-plugins/logstash-filter-zeromq</a> )

« zeromq (plugins-outputs-zeromq.html)

age » (plugins-filters-age.html)

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<b>Filter plugins (filter-plugins.html)</b> <ul style="list-style-type: none"> <li>age (plugins-filters-age.html)</li> <li>aggregate (plugins-filters-aggregate.html)</li> <li>alter (plugins-filters-alter.html)</li> <li>anonymize (plugins-filters-anonymize.html)</li> <li>cidr (plugins-filters-cidr.html)</li> <li>cipher (plugins-filters-cipher.html)</li> </ul>