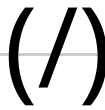Docs (/guide)

(/)

Docs (/guide)

You are looking at documentation for an older release. Not what you want? See the current release documentation (../current/index.html).

Logstash Reference [5.3] (index.html) » Input plugins (input-plugins.html) » beats

« Input plugins (input-plugins.html)   cloudwatch » (plugins-inputs-cloudwatch.html)

beats edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Version: 3.1.14
- Released on: March 3, 2017
- Changelog (https://github.com/logstash-plugins/logstash-input-beats/blob/master/CHANGELOG.md#3114)

Getting Help edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

For questions about the plugin, open a topic in the Discuss (http://discuss.elastic.co) forums. For bugs or feature requests, open an issue in Github (https://github.com/elastic/logstash). For the list of Elastic supported plugins, please consult the Elastic Support Matrix (https://www.elastic.co/support/matrix#show_logstash_plugins).

Description edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

This input plugin enables Logstash to receive events from the Elastic Beats (https://www.elastic.co/products/beats) framework.

The following example shows how to configure Logstash to listen on port 5044 for incoming Beats connections and to index into Elasticsearch:

```
input {
  beats {
    port => 5044
  }
}

output {
  elasticsearch {
    hosts => "localhost:9200"
    manage_template => false
    index => "%{[@metadata][beat]}-%{+YYYY.MM.dd}"
    document_type => "%{[@metadata][type]}"
  }
}
```

NOTE

The Beats shipper automatically sets the `type` field on the event. You cannot override this setting in the Logstash config. If you specify a setting for the `type` (plugins-inputs-beats.html#plugins-inputs-beats-type) config option in Logstash, it is ignored.

Synopsis

edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

This plugin supports the following configuration options:

Required configuration options:

```
beats {
    port => ...
}
```

Available configuration options:

Setting	Input type	Required
add_field (plugins-inputs-beats.html#plugins-inputs-beats-add_field)	hash (configuration-file-structure.html#hash)	No
cipher_suites (plugins-inputs-beats.html#plugins-inputs-beats-cipher_suites)	array (configuration-file-structure.html#array)	No

Setting	Input type	Required
`client_inactivity_timeout`(plugins-inputs-beats.html#plugins-inputs-beats-client_inactivity_timeout)	number (configuration-file-structure.html#number)	No
`codec` (plugins-inputs-beats.html#plugins-inputs-beats-codec)	codec (configuration-file-structure.html#codec)	No
`enable_metric` (plugins-inputs-beats.html#plugins-inputs-beats-enable_metric)	boolean (configuration-file-structure.html#boolean)	No
`host` (plugins-inputs-beats.html#plugins-inputs-beats-host)	string (configuration-file-structure.html#string)	No
`id` (plugins-inputs-beats.html#plugins-inputs-beats-id)	string (configuration-file-structure.html#string)	No
`include_codec_tag` (plugins-inputs-beats.html#plugins-inputs-beats-include_codec_tag)	boolean (configuration-file-structure.html#boolean)	No
`port` (plugins-inputs-beats.html#plugins-inputs-beats-port)	number (configuration-file-structure.html#number)	Yes
`ssl` (plugins-inputs-beats.html#plugins-inputs-beats-ssl)	boolean (configuration-file-structure.html#boolean)	No
`ssl_certificate` (plugins-inputs-beats.html#plugins-inputs-beats-ssl_certificate)	a valid filesystem path	No
`ssl_certificate_authorities`(plugins-inputs-beats.html#plugins-inputs-beats-ssl_certificate_authorities)	array (configuration-file-structure.html#array)	No
`ssl_handshake_timeout` (plugins-inputs-beats.html#plugins-inputs-beats-ssl_handshake_timeout)	number (configuration-file-structure.html#number)	No

Setting	Input type	Required
`ssl_key` (plugins-inputs-beats.html#plugins-inputs-beats-ssl_key)	a valid filesystem path	No
`ssl_key_passphrase` (plugins-inputs-beats.html#plugins-inputs-beats-ssl_key_passphrase)	password (configuration-file-structure.html#password)	No
`ssl_verify_mode` (plugins-inputs-beats.html#plugins-inputs-beats-ssl_verify_mode)	string (configuration-file-structure.html#string), one of `["none", "peer", "force_peer"]`	No
`tags` (plugins-inputs-beats.html#plugins-inputs-beats-tags)	array (configuration-file-structure.html#array)	No
`tls_max_version` (plugins-inputs-beats.html#plugins-inputs-beats-tls_max_version)	number (configuration-file-structure.html#number)	No
`tls_min_version` (plugins-inputs-beats.html#plugins-inputs-beats-tls_min_version)	number (configuration-file-structure.html#number)	No
`type` (plugins-inputs-beats.html#plugins-inputs-beats-type)	string (configuration-file-structure.html#string)	No

Details

edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

`add_field`

edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is hash (configuration-file-structure.html#hash)
- Default value is `{}`

Add a field to an event

`cipher_suites`

edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is array (configuration-file-structure.html#array)

- Default value is `java.lang.String[TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384,`
  `TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384,`
  `TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256,`
  `TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256,`
  `TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384,`
  `TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384,`
  `TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256]@651f42c8`

The list of ciphers suite to use, listed by priorities.

`client_inactivity_timeout`
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is number (configuration-file-structure.html#number)
- Default value is `60`

Close Idle clients after X seconds of inactivity.

`codec`
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is codec (configuration-file-structure.html#codec)
- Default value is `"plain"`

The codec used for input data. Input codecs are a convenient method for decoding your data before it enters the input, without needing a separate filter in your Logstash pipeline.

`congestion_threshold` (DEPRECATED)
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- DEPRECATED WARNING: This configuration item is deprecated and may not be available in future versions.
- Value type is number (configuration-file-structure.html#number)
- Default value is `5`

The number of seconds before we raise a timeout. This option is useful to control how much time to wait if something is blocking the pipeline.

`enable_metric`
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is boolean (configuration-file-structure.html#boolean)
- Default value is `true`

Disable or enable metric logging for this specific plugin instance by default we record all the metrics we can, but you can disable metrics collection for a specific plugin.

`host`

- Value type is string (configuration-file-structure.html#string) edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Default value is `"0.0.0.0"`

The IP address to listen on.

id
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is string (configuration-file-structure.html#string)

- There is no default value for this setting.

Add a unique `ID` to the plugin configuration. If no ID is specified, Logstash will generate one. It is strongly recommended to set this ID in your configuration. This is particularly useful when you have two or more plugins of the same type, for example, if you have 2 grok filters. Adding a named ID in this case will help in monitoring Logstash when using the monitoring APIs.

```
output {
  stdout {
    id => "my_plugin_id"
  }
}
```

include_codec_tag
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is boolean (configuration-file-structure.html#boolean)

- Default value is `true`

port
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- This is a required setting.

- Value type is number (configuration-file-structure.html#number)

- There is no default value for this setting.

The port to listen on.

ssl
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is boolean (configuration-file-structure.html#boolean)

- Default value is `false`

Events are by default sent in plain text. You can enable encryption by setting `ssl` to true and configuring the `ssl_certificate` and `ssl_key` options.

ssl_certificate

- Value type is path (configuration-file-structure.html#path)
  edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- There is no default value for this setting.

SSL certificate to use.

ssl_certificate_authorities
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is array (configuration-file-structure.html#array)

- Default value is `[]`

Validate client certificates against these authorities. You can define multiple files or paths.
All the certificates will be read and added to the trust store. You need to configure the
`ssl_verify_mode` to `peer` or `force_peer` to enable the verification.

ssl_handshake_timeout
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is number (configuration-file-structure.html#number)

- Default value is `10000`

Time in milliseconds for an incomplete ssl handshake to timeout

ssl_key
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is path (configuration-file-structure.html#path)

- There is no default value for this setting.

SSL key to use. NOTE: This key need to be in the PKCS8 format, you can convert it with
OpenSSL (https://www.openssl.org/docs/man1.1.0/apps/pkcs8.html) for more information.

ssl_key_passphrase
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value type is password (configuration-file-structure.html#password)

- There is no default value for this setting.

SSL key passphrase to use.

ssl_verify_mode
edit (https://github.com/logstash-plugins/logstash-input-beats/edit/master/lib/logstash/inputs/beats.rb)

- Value can be any of: `none`, `peer`, `force_peer`

- Default value is `"none"`

By default the server doesn't do any client verification.

`peer` will make the server ask the client to provide a certificate. If the client provides a
certificate, it will be validated.

`force_peer` will make the server ask the client to provide a certificate. If the client doesn't provide a certificate, the connection will be closed.

This option needs to be used with `ssl_certificate_authorities` and a defined list of CAs.

tags

- Value type is array (configuration-file-structure.html#array)
- There is no default value for this setting.

Add any number of arbitrary tags to your event.

This can help with processing later.

target_field_for_codec (DEPRECATED)

- DEPRECATED WARNING: This configuration item is deprecated and may not be available in future versions.
- Value type is string (configuration-file-structure.html#string)
- Default value is `"message"`

This is the default field to which the specified codec will be applied.

tls_max_version

- Value type is number (configuration-file-structure.html#number)
- Default value is `1.2`

The maximum TLS version allowed for the encrypted connections. The value must be the one of the following: 1.0 for TLS 1.0, 1.1 for TLS 1.1, 1.2 for TLS 1.2

tls_min_version

- Value type is number (configuration-file-structure.html#number)
- Default value is `1`

The minimum TLS version allowed for the encrypted connections. The value must be one of the following: 1.0 for TLS 1.0, 1.1 for TLS 1.1, 1.2 for TLS 1.2

type

- Value type is string (configuration-file-structure.html#string)
- There is no default value for this setting.

This is the base class for Logstash inputs. Add a `type` field to all events handled by this input.

Types are used mainly for filter activation.

The type is stored as part of the event itself, so you can also use the type to search for it in Kibana.

If you try to set a type on an event that already has one (for example when you send an event from a shipper to an indexer) then a new input will not override the existing type. A type set at the shipper stays with that event for its life even when sent to another Logstash server.

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- Kibana 101 (https://www.elastic.co/webinars/getting-started-kibana?baymax=default&elektra=docs&storm=top-video)

- Logstash Primer (https://www.elastic.co/webinars/getting-started-logstash?baymax=default&elektra=docs&storm=top-video)

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