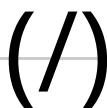




[Docs \(/guide\)](#)

[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 \[5.3\] \(index.html\)](#) » [Getting Started with Logstash \(getting-started-with-logstash.html\)](#) » [Installing Logstash](#)

« [Getting Started with Logstash \(getting-started-with-logstash.html\)](#)

[Stashing Your First Event](#) » ([first-event.html](#))

Installing Logstash

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](#)



Logstash requires Java 8. Java 9 is not supported. Use the official Oracle distribution

(<http://www.oracle.com/technetwork/java/javase/downloads/index.html>) or an open-source distribution such as OpenJDK (<http://openjdk.java.net/>).

To check your Java version, run the following command:

```
java -version
```

On systems with Java installed, this command produces output similar to the following:

```
java version "1.8.0_65"  
Java(TM) SE Runtime Environment (build 1.8.0_65-b17)  
Java HotSpot(TM) 64-Bit Server VM (build 25.65-b01, mixed mode)
```

On some Linux systems, you may also need to have the `JAVA_HOME` environment exported before attempting the install, particularly if you installed Java from a tarball. This is because Logstash uses Java during installation to automatically detect your environment and install the correct startup method (SysV init scripts, Upstart, or systemd). If Logstash is unable to find the `JAVA_HOME` environment variable during package installation time, you may get an error message, and Logstash will be unable to start properly.

Installing from a Downloaded Binary

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc)

Download the Logstash installation file (<https://www.elastic.co/downloads/logstash>) that matches your host environment. Unpack the file. Do not install Logstash into a directory path that contains colon (:) characters.

On supported Linux operating systems, you can use a package manager to install Logstash.

Installing from Package Repositories

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc)

We also have repositories available for APT and YUM based distributions. Note that we only provide binary packages, but no source packages, as the packages are created as part of the Logstash build.

We have split the Logstash package repositories by version into separate urls to avoid accidental upgrades across major versions. For all 5.x.y releases use 5.x as version number.

We use the PGP key D88E42B4 (<https://pgp.mit.edu/pks/lookup?op=vindex&search=0xD27D666CD88E42B4>), Elastic's Signing Key, with fingerprint

```
4609 5ACC 8548 582C 1A26 99A9 D27D 666C D88E 42B4
```

to sign all our packages. It is available from <https://pgp.mit.edu> (<https://pgp.mit.edu>).

APT

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc)

Download and install the Public Signing Key:

```
wget -q0 - https://artifacts.elastic.co/GPG-KEY-elasticsearch | sudo apt-key add -
```

You may need to install the `apt-transport-https` package on Debian before proceeding:

```
sudo apt-get install apt-transport-https
```

Save the repository definition to `/etc/apt/sources.list.d/elastic-5.x.list`

```
echo "deb https://artifacts.elastic.co/packages/5.x/apt stable main" | sudo tee -a /etc/apt/sources.list.d/elastic-5.x.list
```



Use the `echo` method described above to add the Logstash repository. Do not use `add-apt-repository` as it will add a `deb-src` entry as well, but we do not provide a source package. If you have added the `deb-src` entry, you will see an error like the following:

Unable to find expected entry 'main/source/Sources' in Release file (Wrong sources.list entry or malformed file)

Just delete the `deb-src` entry from the `/etc/apt/sources.list` file and the installation should work as expected.

Run `sudo apt-get update` and the repository is ready for use. You can install it with:

```
sudo apt-get update && sudo apt-get install logstash
```

See [Running Logstash \(running-logstash.html\)](#) for details about managing Logstash as a system service.

YUM

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc)
Download and install the public signing key:

```
rpm --import https://artifacts.elastic.co/GPG-KEY-elasticsearch
```

Add the following in your `/etc/yum.repos.d/` directory in a file with a `.repo` suffix, for example `logstash.repo`

```
[logstash-5.x]
name=Elastic repository for 5.x packages
baseurl=https://artifacts.elastic.co/packages/5.x/yum
gpgcheck=1
gpgkey=https://artifacts.elastic.co/GPG-KEY-elasticsearch
enabled=1
autorefresh=1
type=rpm-md
```

And your repository is ready for use. You can install it with:

```
sudo yum install logstash
```



The repositories do not work with older rpm based distributions that still use RPM v3, like CentOS5.

See the [Running Logstash \(running-logstash.html\)](#) document for managing Logstash as a system service.

Docker

[edit \(https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc\)](https://github.com/elastic/logstash/edit/5.3/docs/static/getting-started-with-logstash.asciidoc)

An image is available for running Logstash as a Docker container. It is available from the Elastic Docker registry. See [Running Logstash on Docker \(docker.html\)](#) for details on how to configure and run Logstash Docker containers.

« [Getting Started with Logstash \(getting-started-with-logstash.html\)](#)

[Stashing Your First Event](#) » ([first-event.html](#))

Top Videos

- [Elasticsearch Demo \(https://www.elastic.co/webinars/getting-started-elasticsearch?baymax=default&elektra=docs&storm=top-video\)](https://www.elastic.co/webinars/getting-started-elasticsearch?baymax=default&elektra=docs&storm=top-video)
- [Kibana 101 \(https://www.elastic.co/webinars/getting-started-kibana?baymax=default&elektra=docs&storm=top-video\)](https://www.elastic.co/webinars/getting-started-kibana?baymax=default&elektra=docs&storm=top-video)
- [Logstash Primer \(https://www.elastic.co/webinars/getting-started-logstash?baymax=default&elektra=docs&storm=top-video\)](https://www.elastic.co/webinars/getting-started-logstash?baymax=default&elektra=docs&storm=top-video)

On this page

[Installing from a Downloaded Binary](#)

[Installing from Package Repositories](#)

[Docker](#)

Logstash Reference: 5.3 ▼
Logstash Introduction (introduction.html)
Getting Started with Logstash (getting-started-with-logstash.html)
Installing Logstash (installing-logstash.html)
Stashing Your First Event (first-event.html)
Parsing Logs with Logstash (advanced-pipeline.html)
Stitching Together Multiple Input and Output Plugins (multiple-input-output-plugins.html)
How Logstash Works (pipeline.html)
Setting Up and Running Logstash (setup-logstash.html)
Breaking changes (breaking-changes.html)
Upgrading Logstash (upgrading-logstash.html)
Configuring Logstash (configuration.html)
Working with Filebeat Modules (filebeat-modules.html)