Step 1 — Installing the Oracle Java Virtual Machine

Cassandra requires that the Oracle Java SE Runtime Environment (JRE) be installed. So, in this step, you'll install and verify that it's the default JRE.

To make the Oracle JRE package available, you'll have to add a Personal Package Archives (PPA) using this command:

* sudo add-apt-repository ppa:webupd8team/java

Update the package database:

* sudo apt-get update

Then install the Oracle JRE. Installing this particular package not only installs it but also makes it the default JRE. When prompted, accept the license agreement:

* sudo apt-get install oracle-java8-set-default

After installing it, verify that it's now the default JRE:

* java -version

You should see output similar to the following:

Output

java version "1.8.0\_60"

Java(TM) SE Runtime Environment (build 1.8.0\_60-b27)

Java HotSpot(TM) 64-Bit Server VM (build 25.60-b23, mixed mode)

## Step 2 — Installing Cassandra

echo "deb http://www.apache.org/dist/cassandra/debian 22x main" | sudo tee -a /etc/apt/sources.list.d/cassandra.sources.list

The add the repo's source:

* echo "deb-src http://www.apache.org/dist/cassandra/debian 22x main" | sudo tee -a /etc/apt/sources.list.

Add the first one using this pair of commands, which must be run one after the other:

* gpg --keyserver pgp.mit.edu --recv-keys F758CE318D77295D
* gpg --export --armor F758CE318D77295D | sudo apt-key add -

Then add the second key:

* gpg --keyserver pgp.mit.edu --recv-keys 2B5C1B00
* gpg --export --armor 2B5C1B00 | sudo apt-key add -

Then add the third:

* gpg --keyserver pgp.mit.edu --recv-keys 0353B12C
* gpg --export --armor 0353B12C | sudo apt-key add –

Update the package database once again:

* sudo apt-get update

Finally, install Cassandra:

sudo apt-get install cassandra

sudo service cassandra status

## Step 4 — Connecting to the Cluster

If you were able to successfully start Cassandra, check the status of the cluster:

sudo nodetool status

Then connect to it using its interactive command line interface cqlsh.

cqlsh

You will see it connect:

Output

Connected to Test Cluster at 127.0.0.1:9042.

[cqlsh 5.0.1 | Cassandra 2.2.2 | CQL spec 3.3.1 | Native protocol v4]

Use HELP for help.

cqlsh>