

Apache Cassandra Single Node Installation :

(For Linux 32/64 bit)

1. Apache-cassandra run only on top of jdk-1.7 or latest jdk version.
2. Download jdk-1.7 for linux machine (64/32 bit) from oracle site.
3. After downloading extract this jdk and save the java path in your .bashrc file (run \$ source .bashrc after updating the .bashrc file)
4. Download the latest version of Apache Cassandra (3.11.*) .
apache-cassandra-3.11.0-bin.tar.gz
(considering cassandra-3.11.0 version)
5. Now unzip the tarball file anywhere you want.
6. For simplicity create a directory named cassandra in your home directory.

\$ mkdir cassandra
7. Now move the tarball file into the cassandra folder.
8. Unzip the tarball file in the cassandra folder.
9. That's it! Apache-Cassandra successfully installed now.

NB Latest version of Apache Cassandra (i.e.3.11.1 and 3.11.2) requires jdk1.8 or 1.9

Starting Cassandra (on a Single node):

1. By default cassandra stores its data and commit-log files in default `$CASSANDRA_HOME/data/data` and `$CASSANDRA_HOME/data/commitlog` directory.
2. But we can set the Cassandra data and commit-log directories in `cassandra.yaml` file .
3. `Cassandra.yaml` file resides in `$CASSANDRA_HOME/conf/cassandra.yaml`
4. Set the data and commit-log file path on your own (line no. 191 an 196 in `cassandra.yaml` file)
5. Now to start cassandra go to `$CASSANDRA_HOME`
6. On `$CASSANDRA_HOME` , run `$ bin/cassandra -f` (to run cassandra in the foreground mode)
7. To start cassandra cqlsh shell , open another tab , go to `$CASSANDRA_HOME` and then run
`$ bin/cqlsh`

N.B: If you are running Cassandra for the first time, you might end up getting some error. To avoid this, open a new terminal and run,

```
$ pkill -f CassandraDaemon
```

Apache Cassandra driver links :

Cassandra-python driver :

For cassandra-python driver manual find the below links:

1. <https://docs.datastax.com/en/developer/python-driver/3.13/>
2. Github link:
<https://github.com/datastax/python-driver>

Cassandra-php driver :

For cassandra-php driver manual find the below links

1. <https://docs.datastax.com/en/developer/php-driver/1.3/>
2. Github link:
<https://github.com/datastax/php-driver>

