

Install Kafka

1. Identify java version on your machine

java -version

```
hduser@shyam:/usr/local/hadoop/kafka/config$ java -version
openjdk version "1.8.0_162"
OpenJDK Runtime Environment (build 1.8.0_162-8u162-b12-0ubuntu0.16.04.2-b12)
OpenJDK 64-Bit Server VM (build 25.162-b12, mixed mode)
```

2. Install scala version compatible with java

<https://docs.scala-lang.org/overviews/jdk-compatibility/overview.html>

UBUNTU:

```
sudo apt-get remove scala-library scala
sudo wget http://scala-lang.org/files/archive/scala-2.11.0.deb
sudo dpkg -i scala-2.11.0.deb
rm -f scala-2.11.0.deb
```

CentOS:

```
sudo yum install scala-2.11.0.rpm
```

3. Download kafka compatible with scala version from <https://kafka.apache.org/downloads>

4. Add following content to .bashrc file

```
#KAFKA VARIABLES START
export KAFKA_HOME=$HADOOP_INSTALL/kafka
export PATH=$PATH:$KAFKA_HOME/bin
#KAFKA VARIABLES END
```

5. Apply .bashrc file

```
source ~/.bashrc
```

6. Check the port being used by zookeeper within config file zoo.cfg

Note: If you don't have zookeeper installed, it's just fine. Kafka has one with its distribution package

```
hduser@shyam:/usr/local/hadoop/zookeeper/conf$ grep clientPort zoo.cfg
clientPort=2181
```

7. Check the status of zookeeper and start through zkServer.sh utility, if not running already

```
hduser@shyam:/usr/local/hadoop/zookeeper/bin$ zkServer.sh
ZooKeeper JMX enabled by default
Using config: /usr/local/hadoop/zookeeper/bin/../conf/zoo.cfg
Usage: /usr/local/hadoop/zookeeper/bin/zkServer.sh {start|start-foreground|stop|restart|status|upgrade|print-cmd}
```

```
hduser@shyam:/usr/local/hadoop/zookeeper/bin$ zkServer.sh status
ZooKeeper JMX enabled by default
Using config: /usr/local/hadoop/zookeeper/bin/../conf/zoo.cfg
Mode: standalone
```

<https://stackoverflow.com/questions/29106546/how-to-check-if-zookeeper-is-running-or-up-from-command-prompt>