

Single Node Installation

```
sudo apt-get update
```

```
ssh-keygen
```

```
cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys
```

```
-----**downloading and installing java (Hadoop requires a working  
Java 1.6+)**-----
```

```
sudo apt-get install openjdk-7-jdk -y
```

```
-----**downloading hadoop**-----  
-----
```

```
wget https://archive.apache.org/dist/hadoop/common/hadoop-  
1.2.1/hadoop-1.2.1.tar.gz
```

```
tar -xzvf hadoop-1.2.1.tar.gz
```

```
sudo mv hadoop-1.2.1 /usr/local/hadoop
```

```
-----**configuring bashrc linux env setup**-----  
-----
```

```
#Configuring bashrc linux env setup
```

```
nano ~/.bashrc
```

```
export HADOOP_PREFIX=/usr/local/hadoop/  
export PATH=$PATH:$HADOOP_PREFIX/bin  
export JAVA_HOME=/usr/lib/jvm/java-7-openjdk-amd64  
export PATH=$PATH:$JAVA_HOME
```

```
#Setting hadoop env
```

```
nano /usr/local/hadoop/conf/hadoop-env.sh
```

```
export JAVA_HOME=/usr/lib/jvm/java-7-openjdk-amd64  
export HADOOP_OPTS=-Djava.net.preferIPv4Stack=true
```

```
#Configuring core-site.xml
```

```
nano /usr/local/hadoop/conf/core-site.xml
```

```
<property>  
<name>fs.default.name</name>  
<value>hdfs://localhost:9000</value>  
</property>
```

```
<property>  
<name>hadoop.tmp.dir</name>  
<value>/usr/local/hadoop/tmp</value>  
</property>
```

```
#Configuring hdfs-site.xml
```

```
nano /usr/local/hadoop/conf/hdfs-site.xml
```

```
<property>  
<name>dfs.replication</name>  
<value>1</value>  
</property>
```

```
#Configuring mapred-site.xml
```

```
nano /usr/local/hadoop/conf/mapred-site.xml
```

```
<property>  
<name>mapred.job.tracker</name>  
<value>hdfs://localhost:9001</value>  
</property>
```

```
-----**making tmp dir**-----
```

```
mkdir /usr/local/hadoop/tmp
```

```
-----**exec bash**-----
```

```
exec bash
```

```
-----**formatting hadoop namenode**-----
```

```
hadoop namenode -format
```

```
-----**starting hadoop services(daemons)**-----  
-
```

```
start-dfs.sh  
start-mapred.sh  
jps
```