**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-8-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-8-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-8-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