java -version

sudo addgroup hadoop

sudo adduser --ingroup hadoop hduser

sudo adduser hduser sudo

sudo apt-get install openssh-server

which ssh

which sshd

su hduser

cd

ssh-keygen -t rsa -P ""

cat $HOME/.ssh/id\_rsa.pub >> $HOME/.ssh/authorized\_keys

ssh localhost

exit

exit

cd Downloads

https://hadoop.apache.org/release/2.9.0.html

tar -xvf hadoop-2.9.0.tar.gz

sudo mv hadoop-2.9.0 /usr/local/hadoop

sudo chown -R hduser /usr/local/

su hduser

sudo nano ~/.bashrc

#HADOOP VARIABLES START

export JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64

export HADOOP\_HOME=/usr/local/hadoop

export PATH=$PATH:$HADOOP\_HOME/bin

export PATH=$PATH:$HADOOP\_HOME/sbin

export HADOOP\_MAPRED\_HOME=$HADOOP\_HOME

export HADOOP\_COMMON\_HOME=$HADOOP\_HOME

export HADOOP\_HDFS\_HOME=$HADOOP\_HOME

export YARN\_HOME=$HADOOP\_HOME

export HADOOP\_COMMON\_LIB\_NATIVE\_DIR=$HADOOP\_HOME/lib/native

export HADOOP\_OPTS="-Djava.library.path=$HADOOP\_HOME/lib"

#HADOOP VARIABLES END

source ~/.bashrc

sudo nano /usr/local/hadoop/etc/hadoop/hadoop-env.sh

export JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64

sudo nano /usr/local/hadoop/etc/hadoop/core-site.xml

<property>

<name>fs.default.name</name>

<value>hdfs://localhost:9000</value>

</property>

cp /usr/local/hadoop/etc/hadoop/mapred-site.xml.template

/usr/local/hadoop/etc/hadoop/mapred-site.xml

sudo nano /usr/local/hadoop/etc/hadoop/mapred-site.xml

<property>

<name>mapreduce.framework.name</name>

<value>yarn</value>

</property>

sudo mkdir -p /usr/local/hadoop\_tmp/hdfs/namenode

sudo mkdir -p /usr/local/hadoop\_tmp/hdfs/datanode

sudo chown -R hduser:hadoop /usr/local/hadoop\_tmp

sudo nano /usr/local/hadoop/etc/hadoop/hdfs-site.xml

<property>

<name>dfs.replication</name>

<value>1</value>

</property>

<property>

<name>dfs.namenode.name.dir</name>

<value>file:/usr/local/hadoop\_tmp/hdfs/namenode</value>

</property>

<property>

<name>dfs.datanode.data.dir</name>

<value>file:/usr/local/hadoop\_tmp/hdfs/datanode</value>

</property>

sudo nano /usr/local/hadoop/etc/hadoop/yarn-site.xml

<property>

<name>yarn.nodemanager.aux-services</name>

<value>mapreduce\_shuffle</value>

</property>

<property>

<name>yarn.nodemanager.aux-

services.mapreduce.shuffle.class</name>

<value>org.apache.hadoop.mapred.ShuffleHandler</value>

</property>

hadoop namenode -format

cd /usr/local/hadoop/sbin

start-all.sh

http://localhost:50070

jps

stop-all.sh