

**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

-----------------------------\*\*downloading hadoop\*\*------------------------

wget http://apache.mirror.gtcomm.net/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\*\*---------------

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 xml's\*\*------

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>

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

<property>

<name>dfs.replication</name>

<value>1</value>

</property>

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-all.sh

jps

nano ~/.bashrc

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

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

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

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