

- ① `sudo apt-get install update` // All updates were already installed
- ② `sudo apt-get install default-jdk` // to install java 7
- ③ `sudo addgroup hadoop`
- ④ `sudo adduser --ingroup hadoop hduser1.`
- ⑤ `sudo adduser hduser1 sudo`
- ⑥ `sudo apt-get install openssh-server`
- ⑦ // now lets login with hduser & generate a key for hduser & add the key to authorized keys  
`su hduser`
- ⑧ `cd`
- ⑨ `ssh-keygen -t rsa -P ''`
- ⑩ `cat $HOME/.ssh/id_rsa.pub >> $HOME/.ssh/authorized-keys`
- ⑪ // lets try by logging to localhost  
`ssh localhost`
- ⑫ `exit`
- ⑬ // lets install hadoop now  
`wget http://mirrors.sonic.net/apache/hadoop/common/hadoop-2.7.1/hadoop-2.7.1.tar.gz`
- ⑭ `tar xvfz hadoop-2.7.1.tar.gz`
- ⑮ `sudo mv hadoop-2.7.1 /usr/local/hadoop`
- ⑯ `sudo chown -R hduser1 /usr/local`
- ⑰ // edit bashrc file, append path to hadoop.  
`sudo nano ~/.bashrc`
- ⑱ `source ~/.bashrc`
- ⑲ // now lets give the java path to run hadoop  
`sudo nano /usr/local/hadoop/etc/hadoop/hadoop-env.sh`

(20) // now lets configure the foll<sup>n</sup> xml files

// core-site.xml, hdfs-site.xml, yarn-site.xml, mapred-site.xml

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

// bet<sup>n</sup> <configuration> <configuration> put the code

/hdfs-site.xml

/yarn-site.xml

// let copy the mapred.xml template & then edit  
// the file

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

/mapred-site.xml

(21) // now lets create the folder where hadoop will process  
// the jobs  
hdfs

sudo mkdir -p /usr/local/hadoop-tmp

sudo mkdir -p /usr/local/hadoop-tmp/hdfs/namenode

/datanode

(22) // assign hduser the ownership of the folder

sudo chown -R hduser /usr/local/hadoop-tmp

(23) hdfs namenode -format

(24) start-dfs.sh

start-yarn.sh

(25) jps  
⇒ ResourceManager  
⇒ Jps  
⇒ NodeManager  
⇒ Datanode  
⇒ SecondaryNameNode  
⇒ NameNode