Install java
install openssh-server
Download the hadoop
adduser hadoop

vi /etc/hosts
Enter the ip and hostname of master and slave
eg:
192.168.1.41 master
192.168.1.43 slave-1

```
192.168.1.41 hadoop-master
192.168.1.43 hadoop-slave-1
```

copy the link location of hadoop tar file which is already loaded in ftp
==========

wget ftp://192.168.1.15/bigdata/hadoop-3.2.0.tar.gz
ls -l
tar -xvzf hadoop-3.2.0.tar.gz
mv hadoop-3.2.0 /opt/hadoop
sudo mv hadoop-3.2.0 /opt/hadoop
chown -R hadoop:hadoop /opt/hadoop
cd /*opt*/hadoop
cd

vi .bashrc
==========ADD this LINE==========

export JAVA_HOME=/usr/lib/jvm/java-8-oracle/jre
export HADOOP_HOME=/opt/hadoop

export HADOOP_INSTALL=$HADOOP_HOME

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 PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin
#export HADOOP_OPTS="-Djava.library.path=$HADOOP_INSTALL/lib/native"

Run this command to restart the bashrc file.

source .bashrc

vi /opt/hadoop/etc/hadoop/hadoop-env.sh
==========ADD this LINE==========

export JAVA_HOME=/usr/lib/jvm/java-8-oracle/jre

vi /opt/hadoop/etc/hadoop/core-site.xml
==========ADD inbetween <configuration></configuration>====

<property>

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

<value>hdfs://hadoop-master:9000</value>

</property>

vi /opt/hadoop/etc/hadoop/hdfs-site.xml
==========ADD inbetween <configuration></configuration>==========

```
<configuration>
<property>
<name>dfs.replication</name>
<value>1</value>
</property>
<property>
<name>dfs.namenode.name.dir</name>
<value>file:/opt/hadoop/hadoopdata/hdfs/namenode</value>
</property>
<property>
<name>dfs.datanode.data.dir</name>
<value>file:/opt/hadoop/hadoopdata/hdfs/datanode</value>
</property>
</configuration>
```

mkdir /opt/hadoop/hadoopdata/hdfs/namenode
mkdir /opt/hadoop/hadoopdata/hdfs/datanode

vi /opt/hadoop/etc/hadoop/mapred-site.xml
==========ADD inbetween<configuration></configuration>==========

<property

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

<value>yarn</value>

</property>

vi /opt/hadoop/etc/hadoop/yarn-site.xml
=======ADD inbetween <configuration></configuration>=========================
<property>
<name>yarn.acl.enable</name>
<value>0</value>
</property>

<property>
<name>yarn.resourcemanager.hostname</name>
<value>hadoop-master</value>
</property>
<name>yarn.nodemanager.aux-services</name>

<value>mapreduce_shuffle</value>

</property>

vi /opt/hadoop/etc/hadoop/workers
enter the slave hostname

vi /opt/hadoop/etc/hadoop/copyconfig.sh

for node in `cat workers`; do
*scp * $node:/opt/hadoop/etc/hadoop/;*
done

vi /opt/hadoop/bin
hadoop namenode -format
cd ..
sbin/start-dfs.sh
sbin/start-yarn.sh

apt-get install openssh-server
***ssh-keygen -t rsa -P "" ***
cat $HOME/.ssh/id_rsa.pub >> $HOME/.ssh/authorized_keys
chmod 600 $HOME/.ssh/authorized_keys
ssh localhost

copy the public key to slave host
ssh-copy-id -i ~/.ssh/id_rsa.pub **hadoop@hadoop-slave-1**

go to directory of hadoop sbin

vi /opt/hadoop/bin
hadoop namenode -format
cd ..
sbin/start-dfs.sh
sbin/start-yarn.sh

After that finally give command jps to list the services running on the hadoop environment
jps
namenode
resourcemanager
secondarynamenode
jps

==========IN SLAVE==========

vi /etc/hosts
Enter the ip and hostname of master and slave
eg:
192.168.1.41 master
192.168.1.43 slave-1

```
192.168.1.41 hadoop-master
192.168.1.43 hadoop-slave-1
```

Configure the same on the slave node ***with out editing the workers file*** *in*
vi /opt/hadoop/etc/hadoop/workers

Remaining configuration do the same for all.

***************Dont restart any service in hadoop of slave*****************
Restart the services on master of hadoop

IN MASTER
==========

cd /opt/hadoop/
sbin/start-all.sh

Then check on the slave node by giving

jps

```
$ jps
13696 NodeManager
28105 Jps
27487 DataNode
```