MANUAL FOR SLAVE

- After creating master node we have to do some changes in configurations for every slave node.
- Slave node must know that it is slave in the cluster created by master.
- So that follow the steps given bellow.

STEP.1 CREATE A DATANODE

- Slaves doesn't have namenode. They have only datanode.
- Use the following command to create datanode—

  sudo mkdir /usr/local/hadoop_store/datanode
- Change the permissions so that hadoop master can access the datanode.
- Use the following command to change permission—

  sudo chown hduser:hadoop -R /usr/local/hadoop_store/datanode
- So now we have done with creating datanode.

Step.2 UPDATE CORE-SITE.XML FILES

- Go to the directory /usr/local/hadoop/etc/hadoop
- Use the command to change directory—

  cd /usr/local/hadoop/etc/hadoop
- Change the core-site.xml configurations
- Use the code to open core-site.xml file-

  sudo gedit core-site.xml
- Paste these lines into <configuration> tag OR Just update it by replacing localhost with master

```
<property>

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

  <value>hdfs://master:54310</value>
</property>
```

- Save and exit.

Step.3 UPDATE HDFS-SITE.XML FILES

- Open the hdfs-site.xml file using following command —

  sudo gedit hdfs-site.xml
- Paste/Update these lines into <configuration> tag

```
<property>

  <name>dfs.replication</name>
```

```
    <value>3</value>

  </property>

   <property>

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

     <value>file:/usr/local/hadoop_store/datanode</value>
   </property>
```

- Save and exit.

Step.4 UPDATE YARN-SITE.XML FILES

- Open the yarn-site.xml file using following command—
- Paste/Update these lines into <configuration> tag

```
<property>

      <name>yarn.resourcemanager.resource-tracker.address</name>

      <value>master:8025</value>

</property>

<property>

      <name>yarn.resourcemanager.scheduler.address</name>

      <value>master:8035</value>

</property>

<property>

      <name>yarn.resourcemanager.address</name>

      <value>master:8050</value>
</property>
```

Step.5 UPDATE MAPRED-SITE.XML FILES

- Open the `mapred-site.xml` file using following command—

  sudo gedit mapred-site.xml

- Paste/Update these lines into <configuration> tag

```
<property>

      <name>mapreduce.job.tracker</name>

      <value>HadoopMaster:54311</value>

</property>

<property>

      <name>mapred.framework.name</name>

      <value>yarn</value>
</property>
```

STEP.6 FORMATING NAMENODE

- While installing hadoop we may had created namenode.
- So we have to format it first before starting hadoop.
- Use the command to format – hadoop namenode -format

Prepared by

Gadige Mani Kiran