Task 11:

Configure the Hadoop cluster and start the Hadoop cluster using the ansible playbook.

Sol:

Steps →

First we need to copy the Hadoop and jdk rpm file in the managed node i.e 172.20.10.14 & 172.20.10.9

After copying the file Now we need to install both the software and also turn off the firewall or we can make the rule in firewall

Step →

After successfully installation Now we are going to configure the Hadoop NameNode on IP 172.20.10.9 and to configure we have to edit two file i.e core-site.xml and hdfs-site.xml

Here we have created a directory and need to format that directory. The created directory can be format using cmd: Hadoop namenode -format and we have used this command on the playbook

Now we have successfully edited the both config file and the directory is also formatted .After completion of these steps we can start our NameNode service of the Hadoop cluster IP 172.20.10.9 here we can see the task "starting the namenode"

Steps →

Our namenode is configured now we have to configure tha data node Again here we have to configure the file of 172.20.10.14 and start the datanode services.

OUTPUT:

ANSIBLE PLAYBOOK \rightarrow

