Multinode Setup

Inceptez Technologies Centos 6.7 - Hadoop 2.6 Multi node (2 nodes) set up
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STEP1 : Change Hostname in network file for both master and slave machine
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sudo vi /etc/sysconfig/network

Enter master for hostname file in master machine

HOSTNAME=master
Enter slave for hostname file in slave machine

HOSTNAME=slave

Restart both VMs
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reboot

STEP2: Add hostname details in [sudo vi /etc/hosts] file both master and slave
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Get the ipaddress
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ifconfig

Enter the ipaddress and hostname

192.168.1.5   master
192.168.1.6   slave

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STEP3: set ssh passwordless connection

Run this in slave

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ssh-copy-id -i ~/.ssh/id_rsa.pub hduser@master

Run this in master

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ssh-copy-id -i ~/.ssh/id_rsa.pub hduser@slave

Set the required permission for auth keys.

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chmod 0600 ~/.ssh/authorized_keys

STEP4: Add Master hostname in Master and slave machine(core-site.xml).

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cd $HADOOP_CONF_DIR
vi core-site.xml

```
<property>
    <name>fs.default.name</name>
    <value>hdfs://master:54310/</value>
</property>
```

############# Following steps should run only in Master node ##################

STEP5: Add master and slave details in slave file

vi slaves

master
slave

STEP6: Format the namnode

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hadoop namenode -format

STEP7: Run start-all.sh in Master machine alone.

Validation:

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1) Create a directory in master machine and check that in slave machine, it would be there !!!

Complex validation:

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1) Try running MR, PIG, HIVE jobs