**SCP Copy**

**local to remote**

**1. Install OS and create a group hduser and user hduser in that group:**

1.groupadd hduser

2.useradd -G hduser hduser

3.passwd hduser(setup the password as hduser)

2. Download and Install java:

1. rpm -Uvh /path/to/binary/jdk-7u9-linux-i586.rpm

2. export JAVA\_HOME="/usr/java/jdk1.7.0\_09"

After install, run "java -version" to make sure install successful.

3. Download hadoop-1.0.3.tar.gz from http://archive.apache.org/dist/hadoop/core/hadoop-1.0.3/:\*

1. mv /path/to/binary/hadoop-1.0.3.tar.gz /usr/local

2. sudo tar xzf hadoop-1.0.3.tar.gz

3. sudo chown -R hduser:hduser hadoop-1.0.3

4. In hadoop-env.sh, add "export JAVA\_HOME=/usr/java/jdk1.7.0\_09"

4. Generate the RSA key:

1. ssh-keygen -t rsa -f ~/.ssh/id\_rsa

2. cat ~/.ssh/id\_rsa.pub >> ~/.ssh/authorized\_keys

3. run ssh-add to make sure agent is running.(Sometimes the server may not be start up. Just run "service sshd start" to start the daemon and "service sshd on" to set the daemon auto start after reboot.)

1. pickup the RSA public key from ~/.ssh/id\_rsa.pub. Save it to ~/.ssh/authorized\_keys on other clusters that need to connect to the current cluster.

**5. Setup configuration:**

1. Setup core-site.xml

<property>

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

<value>hdfs://appworld-fred-hadoop-namenode/</value>

</property>

2. Setup hdfs-site.xml

<property>

<name>dfs.name.dir</name>

<value>/usr/local/hadoop-1.0.3/hdfs/nametable</value>

<final>true</final>

</property>

<property>

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

<value>/usr/local/hadoop-1.0.3/datanode</value>

<final>true</final>

</property>

6. Update the namenode slaves(/usr/local/hadoop-1.0.3/conf/slaves) file to add datanode box name to it.

7. Restart the namenode to include the source one.

1. start-dfs.sh

2. start-mapred.sh

<!-- Sometimes, due to firewall reason, the connection may be failed

turn off the firewall:

1.service iptables stop(This is only used for current run.)

2.chkconfig iptables off(This will always disable the firewall.)

End of Line