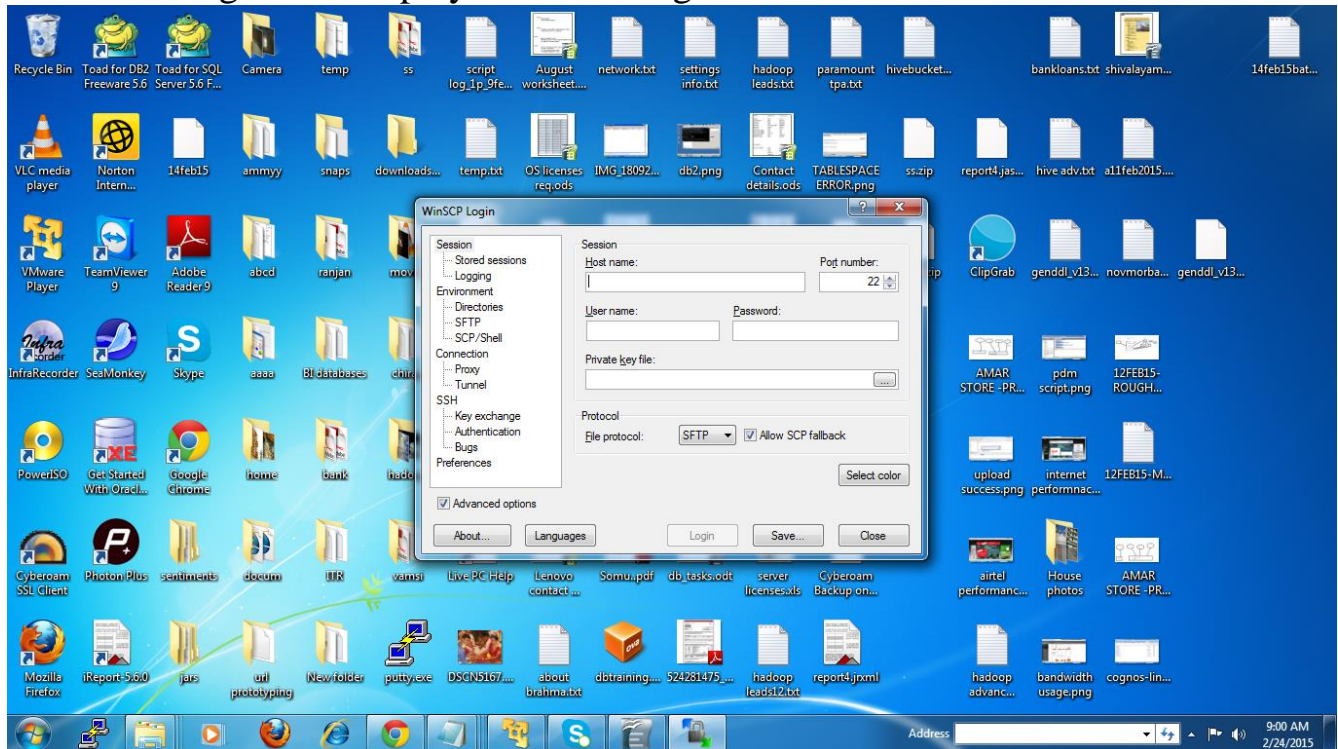


hadoop installation in psuedo mode – By Sasidhar M

step1:-- java installation (ver 6,7,8...)

We have java software in windows machine, we have to install in linux machine. So, We have to copy software from windows to linux. for this purpose, we are using Winscp.

Winscp is a simple next, next.. finish installation in windows. after installing it will display the following screen.



Here we have to enter

Hostname :-- Linux system ip. (We can check linux system ip by using ifconfig command in linux system)

username : root

Password : sasidhar

After login, you will get 2 windows. Left side is windows system right side is linux system.

Left side, browse your jdk software, right side, come down and drag and drop the jdk software.

After drag and drop, it will ask copy. Click on copy.

Open linux system terminal.

Give ls command.

You can able to see jdk software.

chmod 777 jdk..... // for giving permissions to that file. Now if you give ls, file will display in green colour. Instead of you have to use TAB button.

./jdk.... // For installing software.

Java installation will complete.

How to check java installed or not?

java -version

where java installed?

/usr/java/jdk1.6.0_39

step2:-- user creation

useradd username

passwd username

Give user name and password any names. After completing this step logout from root user (system → logout from root). Then login with your new user. From step 3 onwards, we will do every thing in ur user only.

step3:-- hadoop installation

Copy the hadoop software from windows to linux by using winscp. Now, in winscp also you have to login with your username and password only.

chmod 777 had.... // for permissions

tar -xzf hado... /// For Extracting hadoop

Environmental variables:--

.bashrc or .bash_profile

gedit .bashrc

export JAVA_HOME=/usr/java/jdk1.6.0_39

export PATH=\$PATH:\$JAVA_HOME/bin

export HADOOP_HOME=/home/hduser/hadoop-1.0.3

export PATH=\$PATH:\$HADOOP_HOME/bin

```
source .bashrc // For reflecting Environmental variables
```

```
echo $JAVA_HOME
```

```
echo $HADOOP_HOME
```

Step4:-- Configuration of hadoop

```
hadoop-1.0.3/conf
```

```
core-site.xml
```

```
<property>
  <name>hadoop.tmp.dir</name>
  <value>/home/hdp/data</value>
</property>

<property>
  <name>fs.default.name</name>
  <value>hdfs://localhost:6789</value>
</property>
```

```
mapred-site.xml
```

```
<property>
  <name>mapred.job.tracker</name>
  <value>localhost:1234</value>
</property>
```

```
hdfs-site.xml
```

```
<property>
  <name>dfs.replication</name>
  <value>1</value>
</property>
```

```
hadoop-env.sh
```

in 8th line.... we have to specify our java home

```
export JAVA_HOME=/usr/java/jdk1.6.0_39
```

Step5:-- Formatting the namenode and starting the hadoop

```
hadoop namenode -format // for formatting the namenode
```

```
start-all.sh // for starting hadoop
```

```
jps // for view the list of services
```

It have to display 5 services
namenode
secondary name node
job tracker
task tracker
data node
stop-all.sh // for stoping the hadoop

Thanks
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Cloudera certified hadoop professional

If you have any doubts reach me @ sasis937@gmail.com