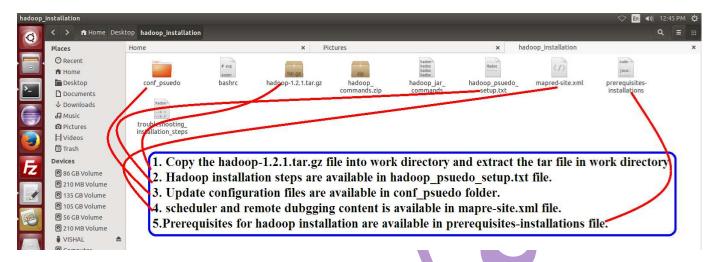
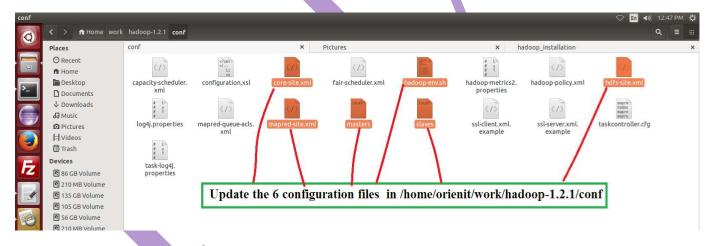
HADOOP-1.2.1 Version Installation Steps

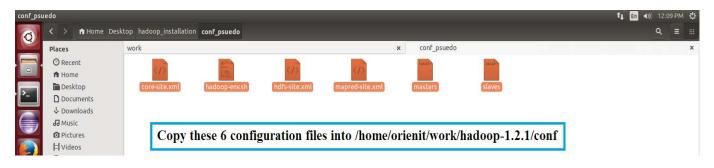
- 1. Download the hadoop-1.2.1 version from Apache Mirrors
- 2. Create the work directory in orienit user, path is '/home/orienit'
- 3. Please follow the below screen shot steps.



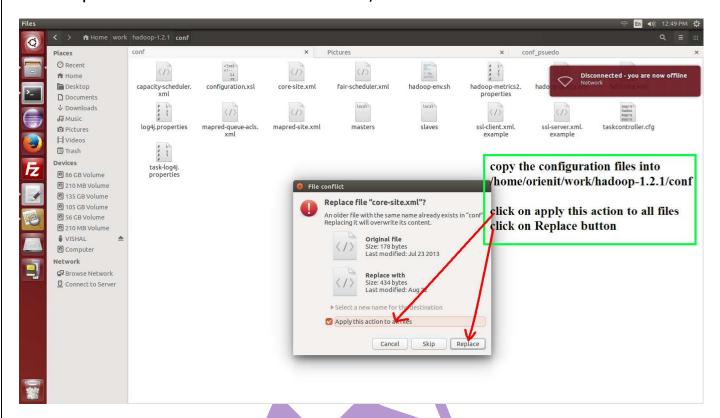
4. By default hadoop configuration files are empty.
As part of hadoop installation we need to update the configurations files as per our requirements.



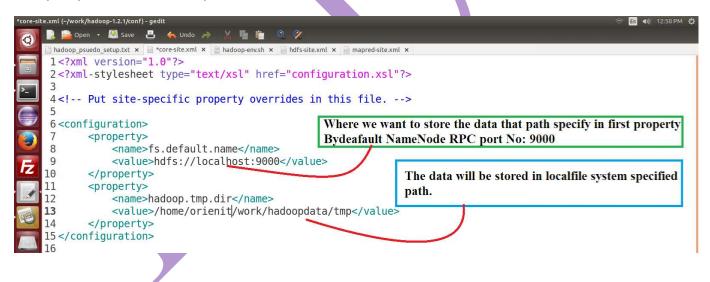
5. The below 6 configuration files having installation properties, we need to copy these 6 files into /home/orienit/work/hadoop-1.2.1/conf



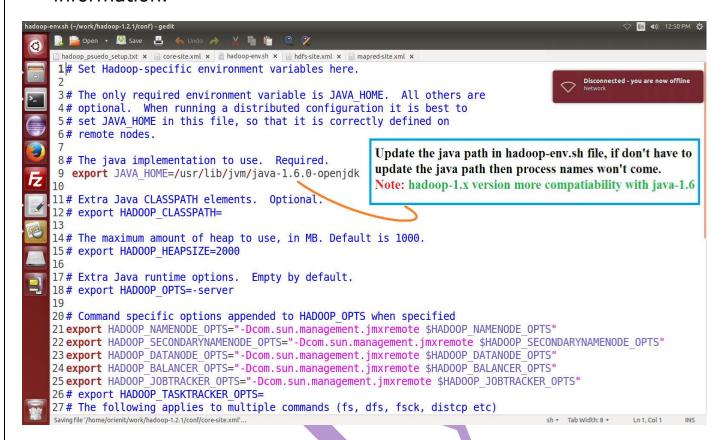
6. Steps is available on screen shots, we can follow that actions



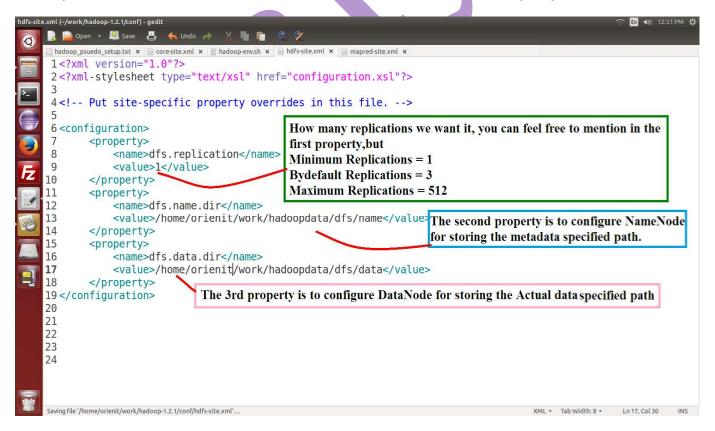
7. Open **core-site.xml** file, verify the properties and understanding the properties description.



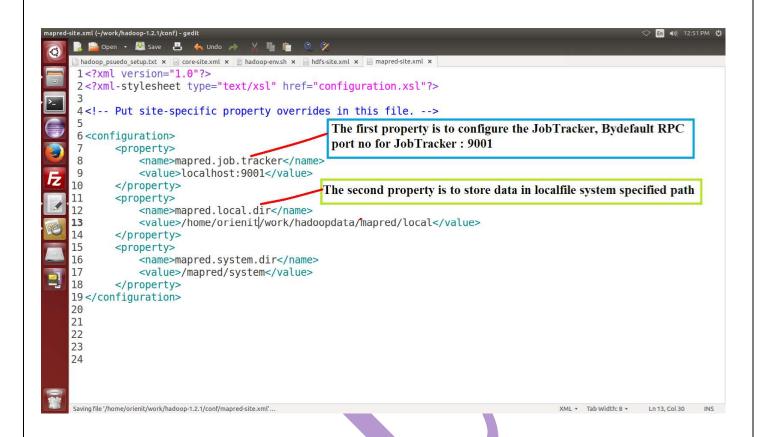
8. Open the **hadoop-env.sh** file and follow the below screen shot information.



9. Open the hdfs-site.xml file and follow the below properties.



10. Open the **mapred-site.xml** file and understand the screen shot information



If we want install hadoop-1.2.1, we need to update the ~/.bashrc file. To open ~/.bashrc file using below command.



12. Update the **hadoop-1.2.1** related information in **~/.bashrc** file

export JAVA_HOME=/usr/lib/jvm/java-1.6.0-openjdk export HADOOP_HOME=/home/orienit/work/hadoop-1.2.1 export PATH=\$HADOOP_HOME/bin:\$JAVA_HOME/bin:\$PATH

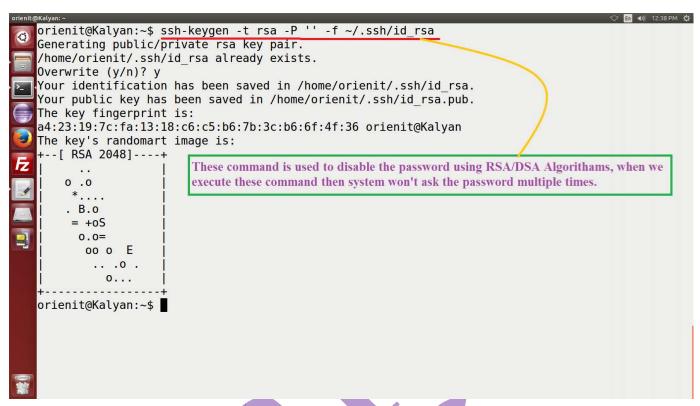
```
En (1)) 12:54 PM
 🔜 ๊ Open 🔻 💹 Save 💾 🔥 Undo 🧀 🐰 塡 📋 🖺
 hadoop_psuedo_setup.txt × 1 *.bashrc ×
 97# You may want to put all your additions into a separate file like
 98# ~/.bash_aliases, instead of adding them here directly.
 99# See /usr/share/doc/bash-doc/examples in the bash-doc package.
101 if [ -f ~/.bash aliases ]; then
102
        . ~/.bash aliases
103 fi
104
105# enable programmable completion features (you don't need to enable
106# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
107# sources /etc/bash.bashrc).
108 if ! shopt -oq posix; then
109 if [ -f /usr/share/bash-completion/bash completion ]; then
         /usr/share/bash-completion/bash completion
110
                                                                    Update the bashrc file with
111 elif [ -f /etc/bash_completion ]; then
. /etc/bash_completion
                                                                    -->JAVA HOME
                                                                    -->HADOOP_HOME
114 fi
                                                                    -->PATH
115
116# update the bashrc with below 3 lines for hadoop-1.x
117
118 export JAVA HOME=/usr/lib/jvm/java-1.6.0-openjdk
119 export HADOOP HOME=/home/orienit/work/hadoop-1.2.1
120 export PATH=$HAD00P_HOME/bin:$JAVA_HOME/bin:$PATH
121
122
                                                                                     sh + Tab Width: 8 + Ln 117, Col 1 INS
```

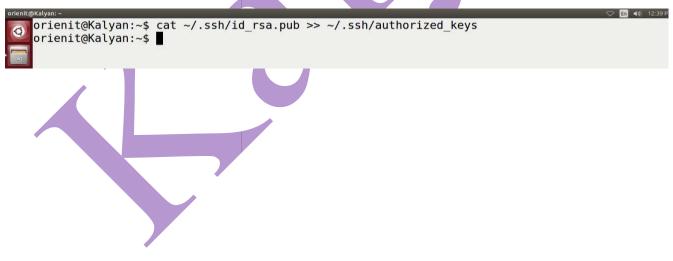
13. Ssh is secure shell, follow the screen shot information. (ssh localhost)



14. Follow the below commands to Disable the password securely

ssh-keygen -t rsa -P " -f ~/.ssh/id_rsa cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys chmod 600 ~/.ssh/authorized_keys

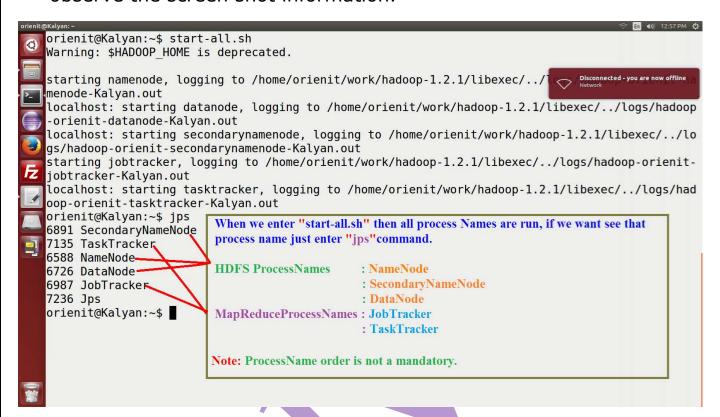




15. Format the Name node using below command (hadoop namenode -format)

```
orienit@Kalyan:~$ hadoop namenode -format
Warning: $HADOOP HOME is deprecated.
16/09/07 12:56:57 INFO namenode.NameNode: STARTUP_MSG:
                   ***************************
STARTUP MSG: Starting NameNode
                                       Before start the hadoop we must and should format the NameNode
             host = Kalvan/127.0.0.1 otherwise NameNode won't come, After executing NameNode command
STARTUP MSG:
               args = [-format]
STARTUP MSG:
                                       then namenode information display on console
STARTUP MSG:
               version = 1.2.1
STARTUP MSG:
               build = https://svn.apache.org/repos/asf/hadoop/common/branches/branch-1.2 -r 15
03152; compiled by 'mattf' on Mon Jul 22 15:23:09 PDT 2013
              java = 1.6.0 39
STARTUP MSG:
16/09/07 12:56:57 INFO util.GSet: Computing capacity for map BlocksMap
16/09/07 12:56:57 INFO util.GSet: VM type = 64-bit
16/09/07 12:56:57 INFO util.GSet: 2.0% max memory = 932118528
16/09/07 12:56:57 INFO util.GSet: capacity = 2^21 = 2097152 entries 16/09/07 12:56:57 INFO util.GSet: recommended=2097152, actual=2097152
16/09/07 12:56:57 INFO namenode.FSNamesystem: fsOwner=orienit
16/09/07 12:56:58 INFO namenode.FSNamesystem: supergroup=supergroup
16/09/07 12:56:58 INFO namenode.FSNamesystem: isPermissionEnabled=true
16/09/07 12:56:58 INFO namenode.FSNamesystem: dfs.block.invalidate.limit=100
16/09/07 12:56:58 INFO namenode.FSNamesystem: isAccessTokenEnabled=false accessKeyUpdateInterva
l=0 min(s), accessTokenLifetime=0 min(s)
16/09/07 12:56:58 INFO namenode.FSEditLog: dfs.namenode.edits.toleration.length = 0
16/09/07 12:56:58 INFO namenode.NameNode: Caching file names occuring more than 10 times
16/09/07 12:56:58 INFO common.Storage: Image file /home/orienit/work/hadoopdata/dfs/name/curren
16/09/07 12:56:57 INFO util.GSet: Computing capacity for map BlocksMap
16/09/07 12:56:57 INFO util.GSet: VM type = 64-bit
16/09/07 12:56:57 INFO util.GSet: 2.0% max memory = 932118528
16/09/07 12:56:57 INFO util.GSet: capacity
                                                 = 2^21 = 2097152 entries
16/09/07 12:56:57 INFO util.GSet: recommended=2097152, actual=2097152
16/09/07 12:56:57 INFO namenode.FSNamesystem: fsOwner=orienit
16/09/07 12:56:58 INFO namenode.FSNamesystem: supergroup=supergroup
16/09/07 12:56:58 INFO namenode.FSNamesystem: isPermissionEnabled=true
16/09/07 12:56:58 INFO namenode.FSNamesystem: dfs.block.invalidate.limit=100
16/09/07 12:56:58 INFO namenode.FSNamesystem: isAccessTokenEnabled=false accessKeyUpdateInterva
l=0 min(s), accessTokenLifetime=0 min(s)
16/09/07 12:56:58 INFO namenode.FSEditLog: dfs.namenode.edits.toleration.length = 0
16/09/07 12:56:58 INFO namenode.NameNode: Caching file names occuring more than 10 times
16/09/07 12:56:58 INFO common.Storage: Image file /home/orienit/work/hadoopdata/dfs/name/curren
t/fsimage of size 113 bytes saved in 0 seconds.
16/09/07 12:56:58 INFO namenode.FSEditLog: closing edit log: position=4, editlog=/home/orienit/
work/hadoopdata/dfs/name/current/edits
16/09/07 12:56:58 INFO namenode.FSEditLog: close success: truncate to 4, editlog=/home/orienit/
work/hadoopdata/dfs/name/current/edits
16/09/07 12:56:58 INFO common.Storage: Storage directory /home/orienit/work/hadoopdata/dfs/name
 has been successfully formatted.
16/09/07 12:56:58 INFO namenode.NameNode: SHUTDOWN MSG:
 ************************
SHUTDOWN MSG: Shutting down NameNode at Kalyan/127.0.0.1
            ************
orienit@Kalyan:~$
```

16. Start the Hadoop using below command (start-all.sh) and then observe the screen shot information.



17. Open the browser with url is (http://localhost:50070) and then click on **browse the file system** link to access hadoop data.

