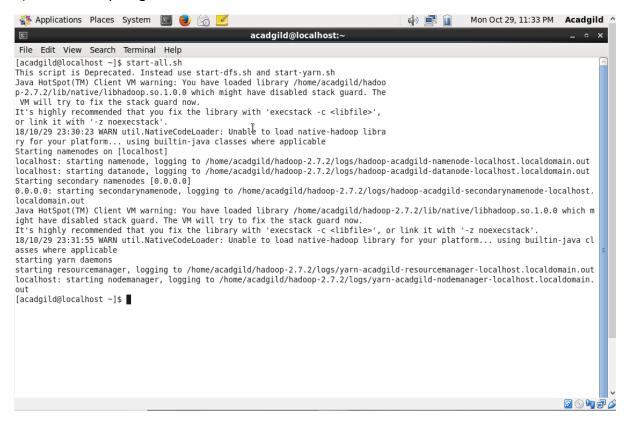
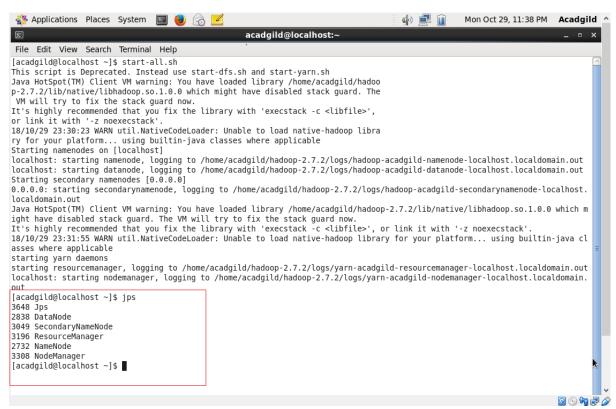
1) Start Hadoop single node on AcadGild VM. The command is start-all.sh.



2) Run a JPS command to see if all Hadoop daemons are running.



3) Run few Unix commands like pwd, ls -ls, etc.

```
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The
VM will try to fix the stack guard now.

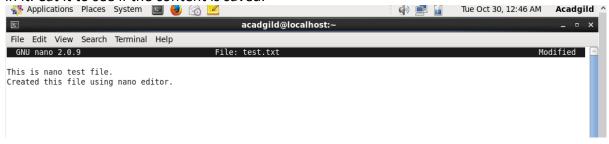
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/10/29 23:30:23 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop-acadgild-namenode-localhost.localdomain.out localhost: starting datanode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop-acadgild-secondarynamenode-localhost.
localdomain.out
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which m ight have disabled stack guard. The VM will try to fix the stack guard now.

It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
18/10/29 23:31:55 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/hadoop-2.7.2/logs/yarn-acadgild-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/hadoop-2.7.2/logs/yarn-acadgild-nodemanager-localhost.localdomain.
[acadgild@localhost ~]$ jps
3648 Jps
2838 DataNode
3049 SecondaryNameNode
3196 ResourceManager
2732 NameNode
 3308 NodeManage
 [acadgild@localhost ~]$ pwd
 /home/acadgild
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ ls -ls
total 874804
                                                  4096 Aug 18 2016 apache-flume-1.6.0-bin
     4 drwxrwxr-x. 7
                        acadgild acadgild
 51320 -rw-rw-r--.
                        acadgild acadgild
                                             52550402 Aug 12
                                                                2016 apache-flume-1.6.0-bin.tar.gz
     4 drwxrwxr-x.
                     9 acadgild acadgild
                                                  4096 Aug 12
                                                                2016 apache-hive-2.1.0-bin
                     1 acadgild acadgild 149599799 Aug 12
146100 -rw-rw-r--.
                                                                2016 apache-hive-2.1.0-bin.tar.gz
     4 -rw-rw-r--.
                        acadgild acadgild
                                                   653 Oct 27 00:26 derby.log
     4 drwxr-xr-x.
                        acadgild acadgild
                                                  4096 Aug 18
                                                               2016 Desktop
     4 drwxr-xr-x.
                      2
                        acadgild acadgild
                                                  4096 Aug 11
                                                                2016 Documents
     4 drwxr-xr-x.
                      4 acadgild acadgild
                                                  4096 Aug 18
                                                                2016 Downloads
                      3 acadgild acadgild
                                                  4096 Aug 18
                                                                2016 eclipse
      4 drwxrwxr-x.
    16 -rw-rw-r--.
                      1 acadgild acadgild
                                                 12939 Aug 18
                                                                2016 employee.java
     4 drwxrwxr-x.
                     4 acadgild acadgild
                                                  4096 Aug 11
                                                                2016 hadoop
     4 drwxr-xr-x. 10 acadgild acadgild
                                                  4096 Aug 12
                                                                2016 hadoop-2.7.2
207084 -rw-rw-r--. 1 acadgild acadgild 212046774 Aug 11
4 drwxrwxr-x. 8 acadgild acadgild 4096 Aug 16
                                                                2016 hadoop-2.7.2.tar.gz
2016 hbase-1.0.3
101416 -rw-rw-r--.
                     1 acadgild acadgild 103847513 Aug 12 2016 hbase
3 acadgild acadgild 4096 Oct 27 00:27 hdfs:
                                                               2016 hbase-1.0.3-bin.tar.gz
     4 drwxrwxr-x.
                                                                2016 jdk1.8.0_101
     4 drwxr-xr-x.
                        acadgild acadgild
                                                  4096 Jun 22
179160 -rw-rw-r--.
                     1 acadgild acadgild 183456778 Aug 11 2016 jdk-8u101-li
5 acadgild acadgild 4096 Oct 27 00:26 metastore db
                                                               2016 jdk-8u101-linux-i586.tar.gz
     4 drwxrwxr-x.
     4 drwxrwxr-x.
                      5 acadgild acadgild
                                                  4096 Aug 12
4096 Aug 11
                                                                2016 metastore_db.tmp
      4 drwxr-xr-x.
                     2
                        acadgild acadgild
                                                                2016 Music
     4 drwxr-xr-x.
                        acadgild acadgild
                                                  4096 Aug 11
                                                                2016 Pictures
     4 drwxr-xr-x. 16 acadgild acadgild
                                                  4096 Jun 2
                                                                2016 pig-0.16.0
173128 -rw-rw-r--. 1 acadgild acadgild 177279333 Aug 12
                                                                2016 pig-0.16.0.tar.gz
                                                                2016 pig_1470979104717.log
2016 pig_1471462105724.log
2016 Public
     4 - rw- rw- r--.
                        acadgild acadgild
                                                  2615 Aug 12
     4 -rw-rw-r--.
                                                  2560 Aug 18
                      1 acadgild acadgild
                        acadgild acadgild
                                                  4096 Aug 11
      4 drwxr-xr-x.
       -rw-rw-r--.
                     1 acadgild acadgild
4 acadgild acadgild
                                                   52 Oct 29 10:43 sample.txt
      4 drwxrwxr-x.
                                                  4096 Aug 11
                                                               2016 Softwares
     4 drwxr-xr-x.
                      9 acadgild acadgild
                                                  4096 Apr 27
                                                                2015 sqoop-1.4.6.bin_hadoop-2.0.4-alpha
                                                                2016 sqoop-1.4.6.bin_hadoop-2.0.4-alpha.tar.gz
 16476 -rw-rw-r--.
                        acadgild acadgild
                                             16870735 Aug 18
                      1
     4 drwxr-xr-x.
                        acadgild acadgild
                                                  4096 Aug 11
                                                                2016 Templates
                     2 acadgild acadgild
5 acadgild acadgild
     4 drwxr-xr-x.
                                                  4096 Aug 11
                                                                2016 Videos
      4 drwxrwxr-x.
                                                  4096 Aug 18
                                                                2016 workspace
[acadgild@localhost ~]$
acadgild@localhost:~
```

```
/home/acadgild/hadoop-2.7.2/etc
[acadgild@localhost etc]$ ls
[acadgild@localhost etc]$ cd
[acadgild@localhost ~]$ cd hadoop
[acadgild@localhost hadoop]$ pwd
/home/acadgild/hadoop
[acadgild@localhost hadoop]$ ls
[acadgild@localhost hadoop]$ cd
[acadgild@localhost ~]$ \etc
bash: etc: command not found
[acadgild@localhost ~]$ cd hadoop
[acadgild@localhost hadoop]$ ls
[acadgild@localhost hadoop]$ cd hadoop-2.7.2
bash: cd: hadoop-2.7.2: No such file or directory [acadgild@localhost hadoop]$ ls
[acadgild@localhost hadoop]$ cd
[acadgild@localhost ~]$ cd hadoop-2.7.2
[acadgild@localhost hadoop-2.7.2]$ ls
pin etc include lib libexec LICENSE.txt logs NOTICE.txt README.txt sbin share
[acadgild@localhost hadoop-2.7.2]$ cd etc
[acadgild@localhost etc]$ ls
[acadgild@localhost etc]$ cd hadoop
[acadgild@localhost hadoop]$ ls
                                 hadoop-policy.xml
capacity-scheduler.xml
                                                               kms-log4j.properties
                                                                                                slaves
configuration.xsl
                                 hdfs-site.xml
                                                               kms-site.xml
                                                                                                ssl-client.xml.example
                                                               log4j.properties
mapred-env.cmd
                                 httpfs-env.sh
                                                                                                ssl-server.xml.example
container-executor.cfg
core-site.xml
                                 httpfs-log4j.properties
                                                                                                yarn-env.cmd
                                 httpfs-signature.secret
httpfs-site.xml
hadoop-env.cmd
                                                               mapred-env.sh
                                                                                                yarn-env.sh
hadoop-env.sh
                                                               mapred-queues.xml.template yarn-site.xml
hadoop-metrics2.properties kms-acls.xml
                                                               mapred-site.xml
hadoop-metrics.properties kms
[acadgild@localhost hadoop]$
                                 kms-env.sh
                                                               mapred-site.xml.template
  acadgild@localhost:~/...
                                                                                                                                           E
```

4) Create a file from the terminal using nano editor (example: nano test.txt), and add some content in it. Cat it to see if the content is saved.





```
[acadgild@localhost ~]$ jps
4212 Jps
2838 DataNode
 3049 SecondaryNameNode
3196 ResourceManager
2732 NameNode
3308 NodeManager
[acadgild@localhost ~]$ nano test.txt [acadgild@localhost ~]$ ls
                                                                                                   pig_1470979104717.log
pig_1471462105724.log
Public
apache-flume-1.6.0-bin
apache-flume-1.6.0-bin.tar.gz
apache-hive-2.1.0-bin
                                                   hadoop-2.7.2.tar.gz
                                                   hbase-1.0.3
                                                   hbase-1.0.3-bin.tar.gz
apache-hive-2.1.0-bin.tar.gz
                                                   hdfs:
jdk1.8.0_101
                                                                                                   sample.txt
                                                                                                  Softwares
sqoop-1.4.6.bin_hadoop-2.0.4-alpha
sqoop-1.4.6.bin_hadoop-2.0.4-alpha.tar.gz
Templates_____
derby.log
Desktop
                                                    jdk-8u101-linux-i586.tar.gz
Documents
                                                   metastore_db
metastore_db.tmp
Downloads
eclipse
                                                   Music
Pictures
                                                                                                  test.txt
employee.java
employee.java
hadoop
hadoop pig-0.16.0
pig-0.16.0.tar.gz
[acadgild@localhost ~]$ cat test.txt
This is nano test file.
Created this file using nano editor.
[acadgild@localhost ~]$
                                                                                                   workspace
                                                                                                                                                                                                   D O P P
```

5) Open the hdfs web page by typing localhost:50070 in the browser. Check all the details of the HDFS.

