

- 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.

```

Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/08/27 23:06:55 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/install/hadoop/hadoop-2.
6.5/logs/hadoop-acadgild-namenode-localhost.localdomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.
6.5/logs/hadoop-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/install/hadoop/ha
doop-2.6.5/logs/hadoop-acadgild-secondarynamenode-localhost.localdomain.out
18/08/27 23:07:20 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/
logs/yarn-acadgild-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop
-2.6.5/logs/yarn-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost ~]$ jps
3520 SecondaryNameNode
3201 NameNode
3666 ResourceManager
3302 DataNode
3769 NodeManager
6826 Jps
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$

```

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

```

Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls -l
total 140
-rw-rw-r--. 1 acadgild acadgild 12 Aug 19 09:25 A.txt
-rw-rw-r--. 1 acadgild acadgild 12 Aug 19 09:25 B.txt
-rw-rw-r--. 1 acadgild acadgild 316 Aug 4 20:26 Commands.txt
-rw-rw-r--. 1 acadgild acadgild 92 Aug 25 10:58 Customer_Input.txt
drwxr-xr-x. 4 acadgild acadgild 4096 Aug 11 09:33 Desktop
drwxr-xr-x. 2 acadgild acadgild 4096 Feb 2 2018 Documents
drwxr-xr-x. 2 acadgild acadgild 4096 Feb 13 2018 Downloads
drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 2017 eclipse
drwxrwxr-x. 3 acadgild acadgild 4096 Jan 16 2018 eclipse-workspace
-rw-rw-r--. 1 acadgild acadgild 10824 Aug 11 10:18 employee.java
-rw-rw-r--. 1 acadgild acadgild 511 Aug 25 10:59 Hive Commands Acadgild Sampling(1).txt
-rw-rw-r--. 1 acadgild acadgild 8733 Aug 25 11:02 Hive Commands Simplin.txt
drwxrwxr-x. 13 acadgild acadgild 4096 Feb 9 2018 install
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Music
-rw-rw-r--. 1 acadgild acadgild 4517 Aug 5 10:02 mywordcount.jar
-rw-rw-r--. 1 acadgild acadgild 5181 Aug 4 10:08 mywordcountpart.jar
-rw-rw-r--. 1 acadgild acadgild 16507 Aug 11 11:01 Person.java
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Pictures
-rw-rw-r--. 1 acadgild acadgild 9790 Aug 19 09:42 pig_1534651188718.log
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Public
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Templates
-rw-rw-r--. 1 acadgild acadgild 37 Aug 4 10:10 Test.txt
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Videos
[acadgild@localhost ~]$

```

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 ~]$ nano Tesst1.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat Test1.txt
cat: Test1.txt: No such file or directory
[acadgild@localhost ~]$ ls -l
total 144
-rw-rw-r--. 1 acadgild acadgild 12 Aug 19 09:25 A.txt
-rw-rw-r--. 1 acadgild acadgild 12 Aug 19 09:25 B.txt
-rw-rw-r--. 1 acadgild acadgild 316 Aug 4 20:26 Commands.txt
-rw-rw-r--. 1 acadgild acadgild 92 Aug 25 10:58 Customer_Input.txt
drwxr-xr-x. 4 acadgild acadgild 4096 Aug 11 09:33 Desktop
drwxr-xr-x. 2 acadgild acadgild 4096 Feb 2 2018 Documents
drwxr-xr-x. 2 acadgild acadgild 4096 Feb 13 2018 Downloads
drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 2017 eclipse
drwxrwxr-x. 3 acadgild acadgild 4096 Jan 16 2018 eclipse-workspace
-rw-rw-r--. 1 acadgild acadgild 10824 Aug 11 10:18 employee.java
-rw-rw-r--. 1 acadgild acadgild 511 Aug 25 10:59 Hive Commands Acadgild Sampling(1).txt
-rw-rw-r--. 1 acadgild acadgild 8733 Aug 25 11:02 Hive Commands Simplin.txt
drwxrwxr-x. 13 acadgild acadgild 4096 Feb 9 2018 install
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Music
-rw-rw-r--. 1 acadgild acadgild 4517 Aug 5 10:02 mywordcount.jar
-rw-rw-r--. 1 acadgild acadgild 5181 Aug 4 10:08 mywordcountpart.jar
-rw-rw-r--. 1 acadgild acadgild 16507 Aug 11 11:01 Person.java
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Pictures
-rw-rw-r--. 1 acadgild acadgild 9790 Aug 19 09:42 pig_1534651188718.log
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Public
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Templates
-rw-rw-r--. 1 acadgild acadgild 43 Aug 28 01:14 Tesst1.txt
-rw-rw-r--. 1 acadgild acadgild 37 Aug 4 10:10 Test.txt
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Videos
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat Tesst1.txt
This a test file for Acadgild assignment1.
[acadgild@localhost ~]$
```

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

The screenshot shows the Hadoop NameNode web interface in Mozilla Firefox. The browser's address bar displays 'localhost:50070/dfshealth.html#tab-overview'. The page has a green navigation bar with tabs: 'Hadoop', 'Overview', 'Datanodes', 'Snapshot', 'Startup Progress', and 'Utilities'. The 'Overview' tab is selected, showing the title 'Overview 'localhost:8020' (active)'. Below the title is a table with the following information:

Started:	Mon Aug 27 23:07:00 IST 2018
Version:	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
Compiled:	2016-10-02T23:43Z by sjlee from branch-2.6.5
Cluster ID:	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
Block Pool ID:	BP-437583619-127.0.0.1-1517555661954

Below the table is a section titled 'Summary' with the following text:

Security is off.
Safemode is off.
165 files and directories, 85 blocks = 250 total filesystem object(s).
Heap Memory used 27.95 MB of 49.66 MB Heap

The taskbar at the bottom shows two terminal windows for 'acadvild@localhost:~' and a window titled 'Namenode informatio...'.