Tasks

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

Solutions:

1) Start-all.sh

```
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/07/15 11:18:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your pl
atform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoo
p-acadgild-namenode-localhost.localdomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoo
p-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/log
s/hadoop-acadgild-secondarynamenode-localhost.localdomain.out
18/07/15 11:19:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your pl
atform... using builtin-java classes where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-acad
gild-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/ya
rn-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost ~]$
```

2) Jps

```
[acadgild@localhost ~]$ jps
3168 NodeManager
2705 DataNode
3657 Jps
3066 ResourceManager
2909 SecondaryNameNode
2605 NameNode
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

3) Command: pwd and ls -l

```
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls -l
total 1351744
-rw-rw-r--.  1 acadgild acadgild         12 Jul  7 18:07 A.txt
-rw-rw-r--.  1 acadgild acadgild         12 Jul  7 18:07 B.txt
drwxr-xr-x.  4 acadgild acadgild       4096 Jul  7 17:56 Desktop
drwxr-xr-x.  2 acadgild acadgild       4096 Feb  2 12:52 Documents
drwxr-xr-x.  2 acadgild acadgild       4096 Feb 13 14:24 Downloads
drwxrwxr-x.  3 acadgild acadgild       4096 Dec 29  2017 eclipse
drwxrwxr-x.  3 acadgild acadgild       4096 Jan 16 14:02 eclipse-workspace
-rw-rw-r--.  1 acadgild acadgild      10824 Jul  7 10:08 employee.java
-rw-rw-r--.  1 acadgild acadgild  327155712 Jul  3 13:23 file327.txt
-rw-rw-r--.  1 acadgild acadgild 1056906185 Jul  3 13:23 file.txt
drwxrwxr-x. 13 acadgild acadgild       4096 Feb  9 18:06 install
drwxr-xr-x.  2 acadgild acadgild       4096 Dec 27  2017 Music
-rw-rw-r--.  1 acadgild acadgild      16507 Jul  7 12:17 Person.java
drwxr-xr-x.  2 acadgild acadgild       4096 Dec 27  2017 Pictures
-rw-rw-r--.  1 acadgild acadgild      18501 Jul  7 18:40 pig_1530964090344.log
-rw-rw-r--.  1 acadgild acadgild       1427 Jul  7 18:07 Pig Commands.txt
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         96 Jul  3 13:24 test.txt
drwxr-xr-x.  2 acadgild acadgild       4096 Dec 27  2017 Videos
[acadgild@localhost ~]$
```
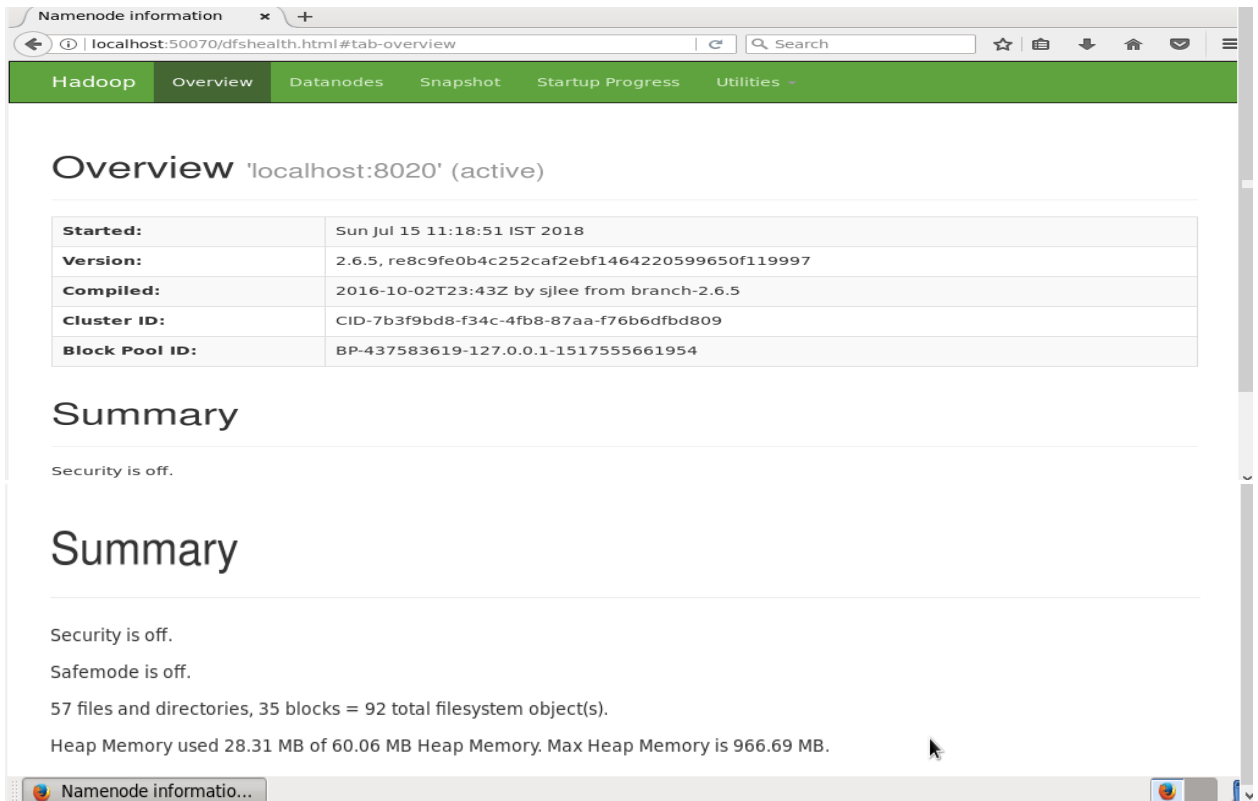
4) nano test.txt

   Cat test.txt

```
[acadgild@localhost ~]$ nano test.txt
[acadgild@localhost ~]$ cat test.txt
i am shishir
student of acadgild
acadgild is good institute

[acadgild@localhost ~]$
```

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

Namenode information   ×   +

localhost:50070/dfshealth.html#tab-overview   C   Search

Hadoop   Overview   Datanodes   Snapshot   Startup Progress   Utilities

Overview 'localhost:8020' (active)

Started:	Sun Jul 15 11:18:51 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

Summary

Security is off.

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Security is off.

Safemode is off.

57 files and directories, 35 blocks = 92 total filesystem object(s).

Heap Memory used 28.31 MB of 60.06 MB Heap Memory. Max Heap Memory is 966.69 MB.

Namenode informatio...

Thanks,

Shishir Jha