

## Assignment -1

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

```
You have new mail in /var/spool/mail/acadgild
acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/07/02 06:38:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library 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/hadoop-2.6.5/logs/hadoop-acadgild-secondarynamenode-localhost.localdomain.out
18/07/02 06:38:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library 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
6435 Jps
6131 ResourceManager
6228 NodeManager
5992 SecondaryNameNode
5710 NameNode
5807 DataNode
```

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

```
[acadgild@localhost ~]$ jps
6435 Jps
6131 ResourceManager
6228 NodeManager
5992 SecondaryNameNode
5710 NameNode
5807 DataNode
```

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

```
990 pwd
991 ls -l
992 cd
993 mkdir Anand
994 ls -l
995 nano school.txt
996 cat school.txt
997 history
```

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 ~]$ cat school.txt
Hi, I am Manish Anand. living happily with my family.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ nano book.txt
[acadgild@localhost ~]$ cat book.txt
Hi I love to read book.
[acadgild@localhost ~]$
```

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

Browsing HDFS - Mozilla Firefox

Browsing HDFS x JobHistory x +

localhost:50070/explorer.html#/

Hadoop Overview Datanodes Snapshot Startup Progress Utilities

### Browse Directory

/ Go!

Permission	Owner	Group	Size	Replication	Block Size	Name
-rw-r--r--	acadgild	supergroup	1007.94 MB	1	128 MB	<a href="#">file.txt</a>
-rw-r--r--	acadgild	supergroup	312 MB	1	128 MB	<a href="#">file327.txt</a>
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	<a href="#">output</a>
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	<a href="#">sqoopout111</a>
-rw-r--r--	acadgild	supergroup	52 B	1	128 MB	<a href="#">test.txt</a>
drwxrwx---	acadgild	supergroup	0 B	0	0 B	<a href="#">tmp</a>
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	<a href="#">user</a>