

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

```
-----
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/07/14 15:40:26 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
dooop-2.6.5/logs/hadoop-acadgild-secondarynamenode-localhost.localdomain.out
18/07/14 15:40:55 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
You have new mail in /var/spool/mail/acadgild
-----
```

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

```
-----
[acadgild@localhost ~]$ jps
4176 Jps
3395 DataNode
3732 ResourceManager
3835 NodeManager
3580 SecondaryNameNode
3294 NameNode
[acadgild@localhost ~]$ █
-----
```

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

```
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls
Desktop  Documents  eclipse      install  myDocuments  Person3.java  Public  Videos
docs     Downloads  eclipse-workspace  Music    Person2.java  Pictures      Templates

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[acadgild@localhost ~]$ ls -ls
total 92
 4 drwxr-xr-x.  4 acadgild acadgild  4096 May 27 09:29 Desktop
 4 drwxrwxr-x.  2 acadgild acadgild  4096 May 27 09:30 docs
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Feb  2 12:52 Documents
 4 drwxr-xr-x.  2 acadgild acadgild  4096 May 27 09:33 Downloads
 4 drwxrwxr-x.  3 acadgild acadgild  4096 Dec 29 2017 eclipse
 4 drwxrwxr-x.  3 acadgild acadgild  4096 Jan 16 14:02 eclipse-workspace
 4 drwxrwxr-x. 13 acadgild acadgild  4096 Feb  9 18:06 install
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 2017 Music
 4 drwxrwxr-x.  2 acadgild acadgild  4096 May 27 09:34 myDocuments
20 -rw-rw-r--.  1 acadgild acadgild 16523 May 27 08:03 Person2.java
20 -rw-rw-r--.  1 acadgild acadgild 16523 May 27 08:13 Person3.java
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 2017 Pictures
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 2017 Public
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 2017 Templates
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 2017 Videos
You have new mail in /var/spool/mail/acadgild
-----
```

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 sometext.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat sometext.txt
Mysore[6] (/maɪˈsoʊr/ (About this sound listen)), officially Mysuru, is the third most populous city and second largest city in the state of Karnataka, India. It is also the second largest urban agglomeration in Karnataka in population[7]. It is located in the foothills of the Chamundi Hills about 146 km (91 mi) southwest of Bangalore and spread across an area of 152 km2 (59 sq mi). The estimated population is 1,014,227 as of 2017. Mysore City Corporation is responsible for the civic administration of the city, which is also the headquarters of the Mysore district and the Mysore division.
```

It served as the capital city of the Kingdom of Mysore for nearly six centuries from 1399 until 1956. The Kingdom was ruled by the Wadiyar dynasty, with a brief period of interregnum in the 1760s and 70s when Hyder Ali and Tipu Sultan were in power. The Wadiyars were patrons of art and culture and contributed significantly to the cultural and economic growth of the city and the state. The cultural ambience and achievements of Mysore earned it the sobriquet Cultural Capital of Karnataka.

Mysore is noted for its heritage structures and palaces, including the Mysore Palace, and for the festivities that take place during the Dasara festival when the city receives a large number of tourists from around the world. It lends its name to various art forms and culture, such as Mysore Dasara, Mysore Painting; the sweet dish Mysore Pak, Mysore masala dosa; brands such as Mysore Sandal Soap, Mysore Ink; and styles and cosmetics such as Mysore Peta (a traditional silk turban) and the Mysore Silk sarees. Tourism is the major industry alongside the traditional industries. Mysore's inter-city public transportation includes rail and bus; flights become available only during the peak time of the Dasara.

The city had the first private radio station in India. Mysore University is headquartered in Mysore, which has produced several notable scientists, authors, politicians, actors, singers, and sportsmen. Cricket and lawn tennis are the most popular sports in the city.

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

Browsing HDFS - Mozilla Firefox

Problem loading page x Inbox (16) - muralidh... x Browsing HDFS x +

localhost:50070/explorer.html#/

Hadoop Overview Datanodes Snapshot Startup Progress Utilities

Browse Directory

/

Permission	Owner	Group	Size	Replication	Block Size	Name
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	hadoopdata
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	hbase
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	sqoopout111
drwxrwx---	acadgild	supergroup	0 B	0	0 B	tmp
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	user

Hadoop, 2016.

acadgild@localhost... acadgild@localhost:~ acadgild Murali_Assignment... Browsing HDFS - M...