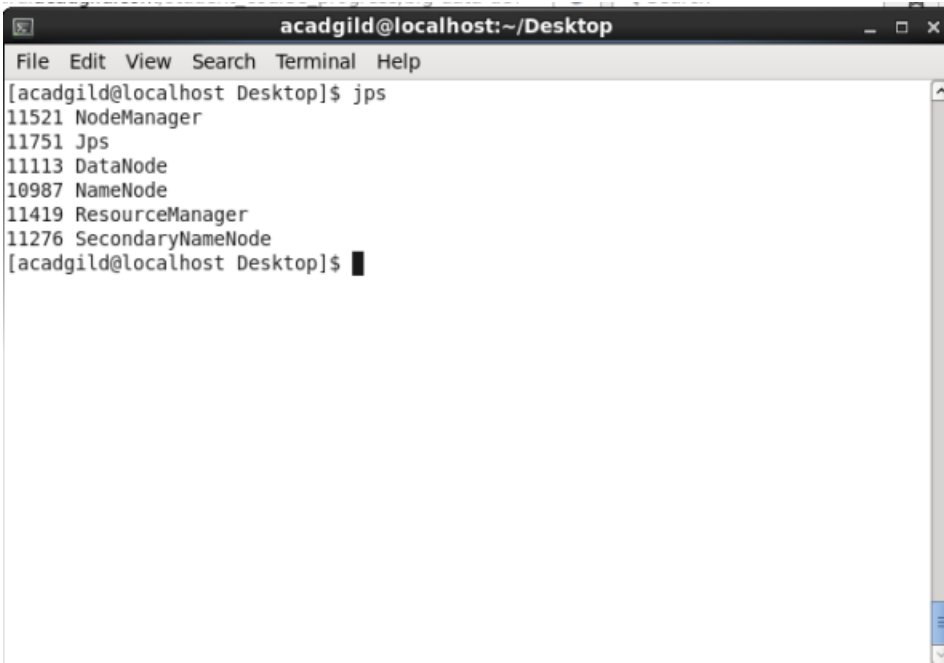


1. Start hadoop node. Use start-all.sh command.



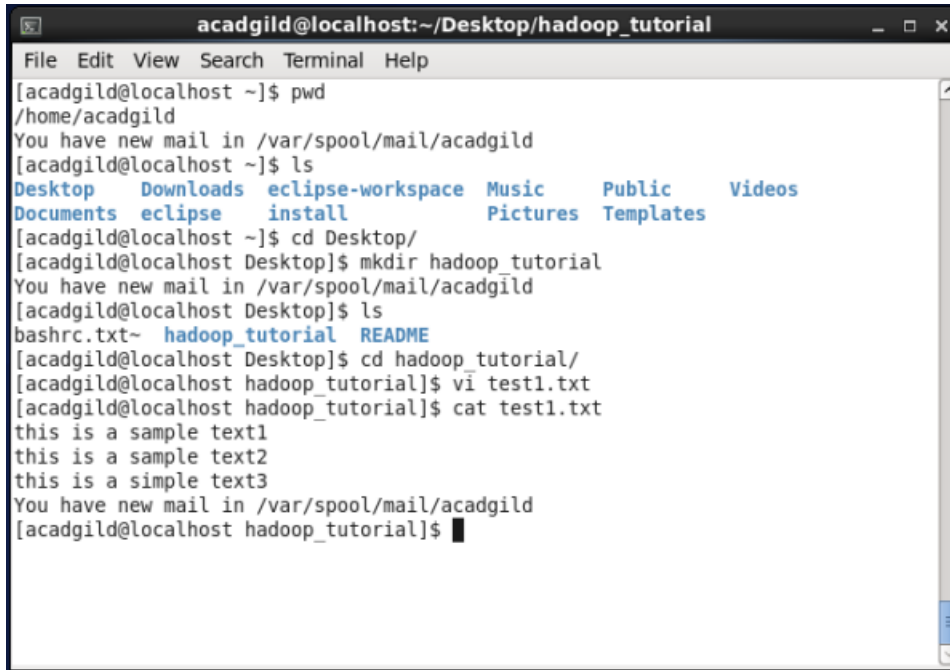
```
acadgild@localhost:~/Desktop
File Edit View Search Terminal Help
[acadgild@localhost Desktop]$ start-all.sh
```

2. Run jps command to verify if hadoop daemons are running.



```
acadgild@localhost:~/Desktop
File Edit View Search Terminal Help
[acadgild@localhost Desktop]$ jps
11521 NodeManager
11751 Jps
11113 DataNode
10987 NameNode
11419 ResourceManager
11276 SecondaryNameNode
[acadgild@localhost Desktop]$
```

3. Few of the Linux commands.



```
acadgild@localhost:~/Desktop/hadoop_tutorial
File Edit View Search Terminal Help
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls
Desktop  Downloads  eclipse-workspace  Music  Public  Videos
Documents  eclipse  install  Pictures  Templates
[acadgild@localhost ~]$ cd Desktop/
[acadgild@localhost Desktop]$ mkdir hadoop_tutorial
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$ ls
bashrc.txt~  hadoop_tutorial  README
[acadgild@localhost Desktop]$ cd hadoop_tutorial/
[acadgild@localhost hadoop_tutorial]$ vi test1.txt
[acadgild@localhost hadoop_tutorial]$ cat test1.txt
this is a sample text1
this is a sample text2
this is a sample text3
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$
```

pwd – tells you the absolute path of where you are in[present working directory].

ls – list down the files and directory.

cd – command to go to a directory.

mkdir – command to create a folder/directory.

vi – opens editor to create/edit a file.

cat – displays the content of the file.

4. Enter the URL as <http://localhost:50070/> in web browser and to point to port number 50070 on **localhost** in pseudo-distributed mode. In Fully distributed mode, replace the 'localhost' with actual host name of machine on cluster. This webpage provides web interface to HDFS.

Web UI helps with

A) Summary of HDFS file system.

B) Name node status and storage information.

C) Data node information

D) Browse through HDFS file system and view list of directories and file contents.

Hadoop 2.6_1_1 [Running] - Oracle VM VirtualBox

ApplicationsPlacesSystem

Sat Apr 14, 11:42 AMAcadgild

Namenode information - Mozilla Firefox

Student Dashboard x s10 - Google Drive x ACD_BDD2.6_Sessio... x Namenode information x +

localhost:50070/dfshealth.html#tab-overview

Search

HadoopOverviewDatanodesSnapshotStartup ProgressUtilities

Overview 'localhost:8020' (active)

Started:	Sat Apr 14 11:25:34 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.

Safemode is off.

80 files and directories, 19 blocks = 99 total filesystem object(s).

Heap Memory used 38.19 MB of 49.22 MB Heap Memory. Max Heap Memory is 966.69 MB.

acadgild@localhost: ~/...

Namenode informatio...