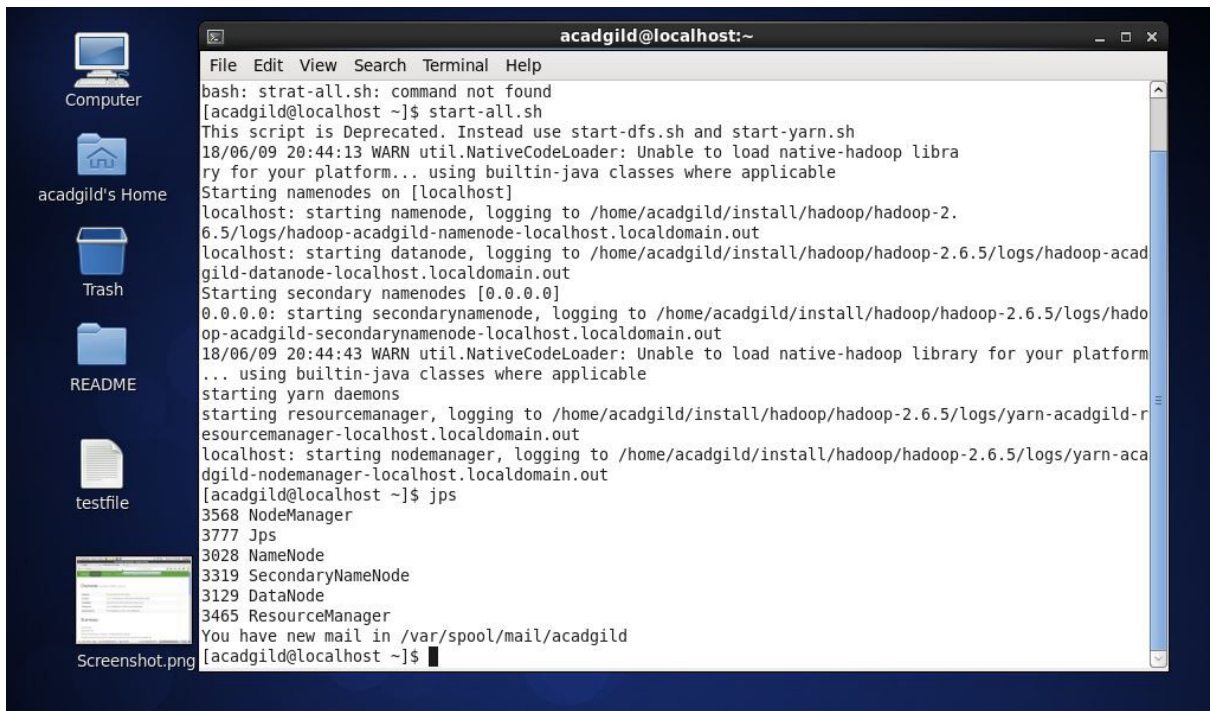


Task 1

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

This Command Starts all Hadoop daemons, the namenode, datanodes, Job Tracker and Task tracker on machine.

Below is the screenshot for the same



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
bash: strat-all.sh: command not found  
[acadgild@localhost ~]$ start-all.sh  
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh  
18/06/09 20:44:13 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-acad  
gild-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/hado  
op-acadgild-secondarynamenode-localhost.localdomain.out  
18/06/09 20:44:43 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-r  
esourcemanager-localhost.localdomain.out  
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-aca  
dgild-nodemanager-localhost.localdomain.out  
[acadgild@localhost ~]$ jps  
3568 NodeManager  
3777 Jps  
3028 NameNode  
3319 SecondaryNameNode  
3129 DataNode  
3465 ResourceManager  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```

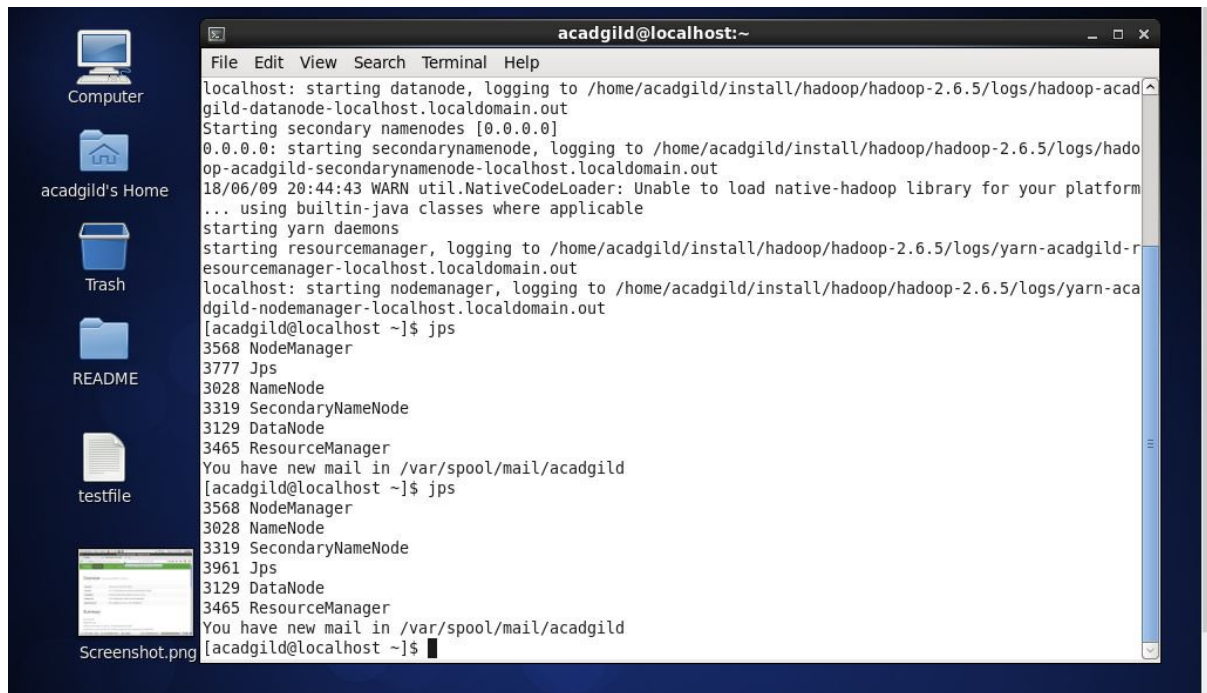
TASK 2

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

Details:

JPS (Java Virtual Machine Process Status Tool) is a command is used to check all the Hadoop daemons like NameNode, DataNode, ResourceManager, NodeManager etc. which are running on the machine.

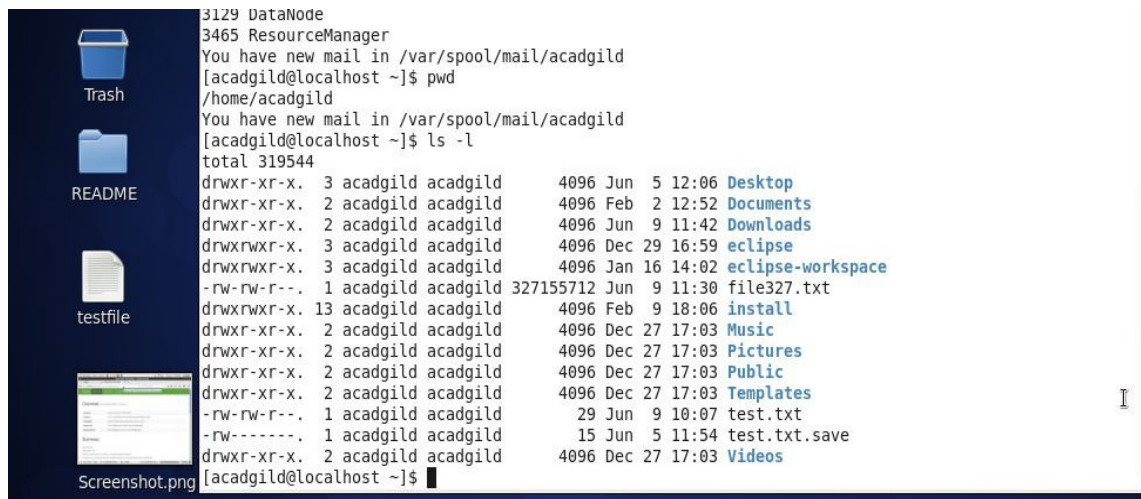
Below is the screenshot for the same.



Task 3

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

Below is the screenshot for the same.



Task 4

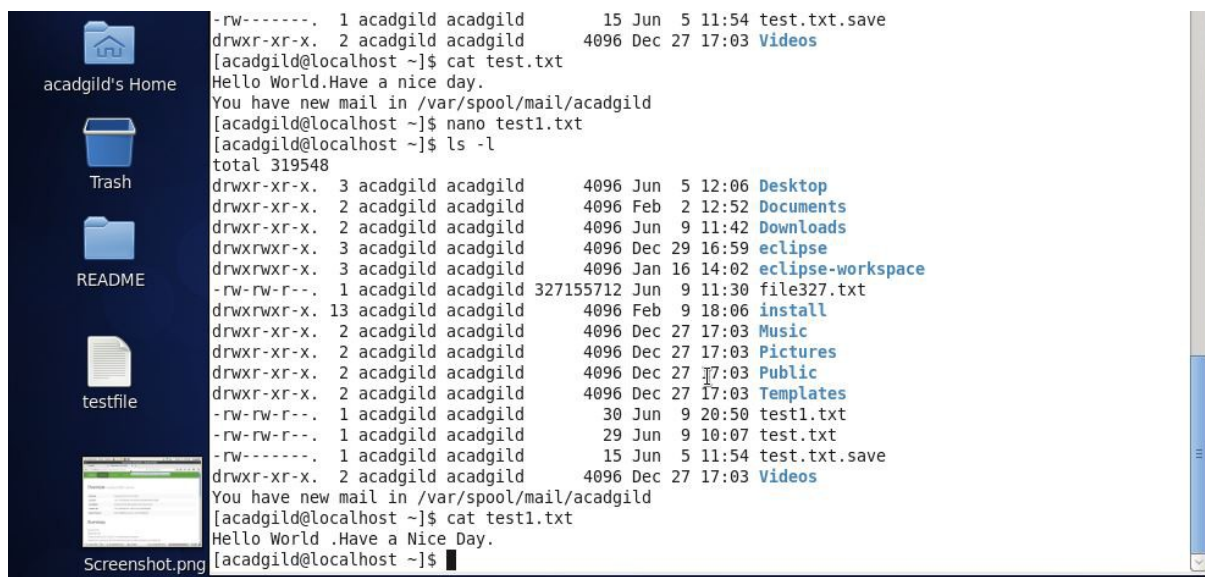
Create a file from the terminal using nano editor (example: nano test.txt), and some content in it. Cat it to see if the content is saved.

Details:

GNU nano is a simple terminal-based text editor. Nano is ideal for making small changes to existing configuration files or for writing short plain text files.

If you want to save the changes you've made, press Control + O . To exit nano, type Control + X . If you ask nano to exit from a modified file, it will ask you if you want to save it. Just press N in case you don't, or Y in case you do. It will then ask you for a filename

Below is the screenshot for the same.



```
-rw-----, 1 acadgild acadgild      15 Jun  5 11:54 test.txt.save
drwxr-xr-x, 2 acadgild acadgild    4096 Dec 27 17:03 Videos
[acadgild@localhost ~]$ cat test.txt
Hello World.Have a nice day.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ nano test1.txt
[acadgild@localhost ~]$ ls -l
total 319548
drwxr-xr-x, 3 acadgild acadgild      4096 Jun  5 12:06 Desktop
drwxr-xr-x, 2 acadgild acadgild      4096 Feb  2 12:52 Documents
drwxr-xr-x, 2 acadgild acadgild      4096 Jun  9 11:42 Downloads
drwxrwxr-x, 3 acadgild acadgild      4096 Dec 29 16:59 eclipse
drwxrwxr-x, 3 acadgild acadgild      4096 Jan 16 14:02 eclipse-workspace
-rw-rw-r--, 1 acadgild acadgild 327155712 Jun  9 11:30 file327.txt
drwxrwxr-x, 13 acadgild acadgild      4096 Feb  9 18:06 install
drwxr-xr-x, 2 acadgild acadgild      4096 Dec 27 17:03 Music
drwxr-xr-x, 2 acadgild acadgild      4096 Dec 27 17:03 Pictures
drwxr-xr-x, 2 acadgild acadgild      4096 Dec 27 17:03 Public
drwxr-xr-x, 2 acadgild acadgild      4096 Dec 27 17:03 Templates
-rw-rw-r--, 1 acadgild acadgild        30 Jun  9 20:50 test1.txt
-rw-rw-r--, 1 acadgild acadgild        29 Jun  9 10:07 test.txt
-rw-----, 1 acadgild acadgild        15 Jun  5 11:54 test.txt.save
drwxr-xr-x, 2 acadgild acadgild      4096 Dec 27 17:03 Videos
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat test1.txt
Hello World .Have a Nice Day.
[acadgild@localhost ~]$
```

Task 5

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

Below is the screenshot for the same

ApplicationsPlacesSystem

Sat Jun 9, 8:54 PMAcadgild

Browsing HDFS - Mozilla Firefox

Browsing HDFS

localhost:50070/explorer.html#/

Search

HadoopOverviewDatanodesSnapshotStartup ProgressUtilities

Browse Directory

Go!

Permission	Owner	Group	Size	Replication	Block Size	Name
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	sqoopout111
-rw-r--r--	acadgild	supergroup	29 B	1	128 MB	test.tst
-rw-r--r--	acadgild	supergroup	29 B	1	128 MB	test.txt
drwxrwx---	acadgild	supergroup	0 B	0	0 B	tmp
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	user