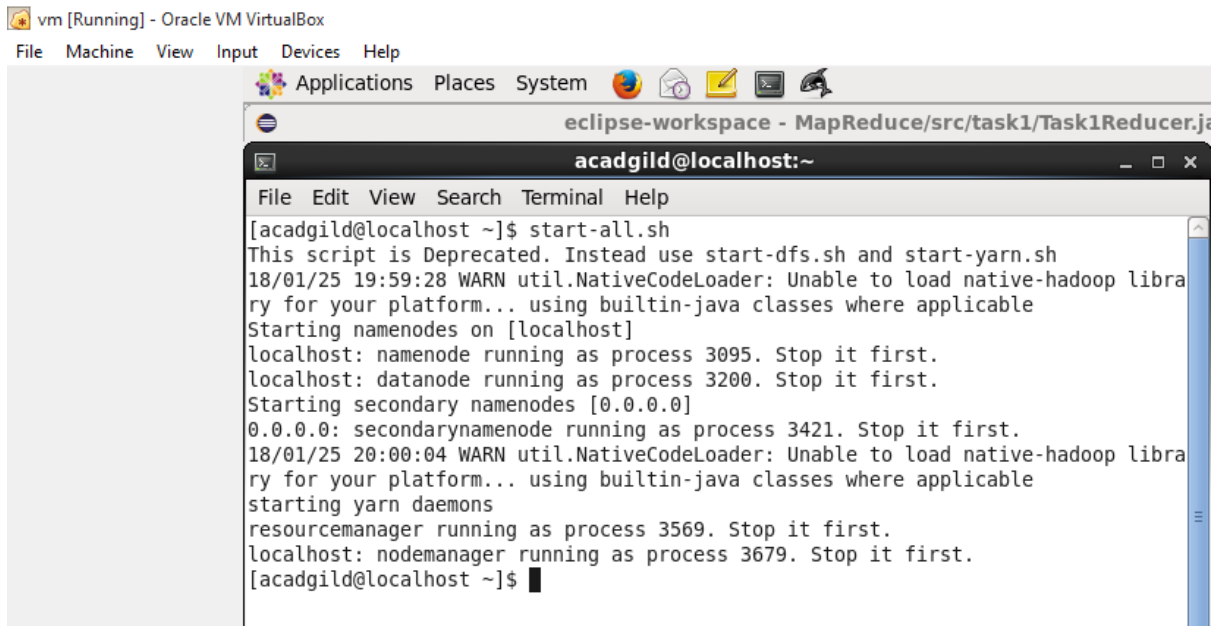
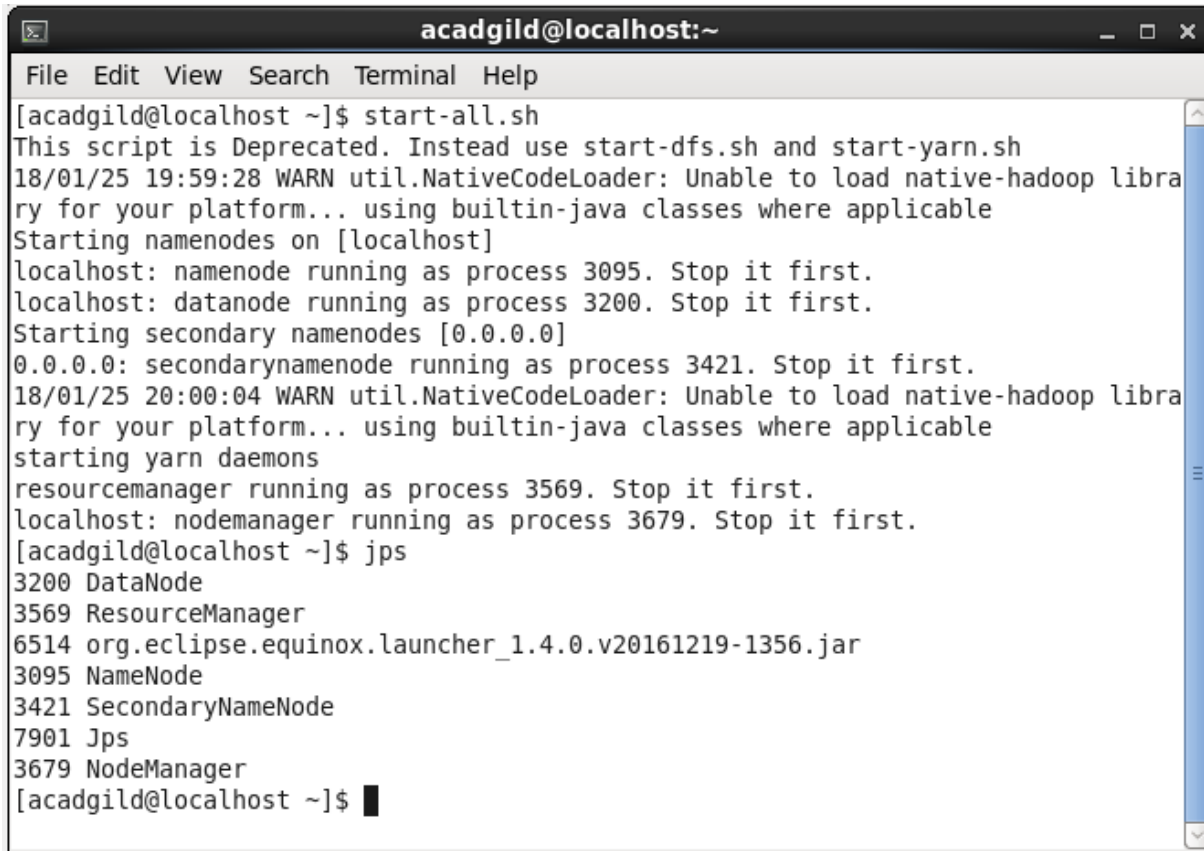


- 1) Start Hadoop single node on AcadGild VM. The command is start-all.sh.
>Star-all.sh - command will load the HDFS and YARN services.



```
vm [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
eclipse-workspace - MapReduce/src/task1/Task1Reducer.j
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/01/25 19:59:28 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: namenode running as process 3095. Stop it first.
localhost: datanode running as process 3200. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3421. Stop it first.
18/01/25 20:00:04 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
starting yarn daemons
resourcemanager running as process 3569. Stop it first.
localhost: nodemanager running as process 3679. Stop it first.
[acadgild@localhost ~]$
```

- 2) Run a JPS command to see if all Hadoop daemons are running.
>JPS - is the command to show what are the java – Hadoop services are running.



```
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/01/25 19:59:28 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: namenode running as process 3095. Stop it first.
localhost: datanode running as process 3200. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3421. Stop it first.
18/01/25 20:00:04 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
starting yarn daemons
resourcemanager running as process 3569. Stop it first.
localhost: nodemanager running as process 3679. Stop it first.
[acadgild@localhost ~]$ jps
3200 DataNode
3569 ResourceManager
6514 org.eclipse.equinox.launcher_1.4.0.v20161219-1356.jar
3095 NameNode
3421 SecondaryNameNode
7901 Jps
3679 NodeManager
[acadgild@localhost ~]$
```

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

- >PWD – To see Present working directory
- >ls – To list out the file system from current working directory
- >cd – change the working directory
- >chmod – used to change the permission of files/directories

```

acadgild@localhost:~
File Edit View Search Terminal Help
db.java Documents eclipse install Pictures Templates
Desktop Downloads eclipse-workspace Music Public Videos
[acadgild@localhost ~]$ ls -a
. Documents .imsettings.log .pulse-cookie
.. Downloads install .scala_history
.abrt eclipse .local .scalaide
.bash_history .eclipse .m2 .ssh
.bash_logout eclipse-workspace .mozilla .swt
.bash_profile .esd_auth Music Templates
.bashrc .fontconfig .mysql_history .thumbnails
.bashrc~ .gconf .nautilus .tooling
.beeline .gnome2 .oracle_jre_usage Videos
.cache .gnote .p2 .viminfo
.config .gnupg Pictures .webclipse
db.java .gtk-bookmarks .pig_history .webclipse.properties
.dbus .gvfs .pki .xsession-errors
Desktop .hivehistory Public .xsession-errors.old
.dmrc .ICEauthority .pulse
[acadgild@localhost ~]$ ls -l
total 100
-rw-rw-r--. 1 acadgild acadgild 55813 Dec 29 22:24 db.java
drwxr-xr-x. 4 acadgild acadgild 4096 Jan 25 19:18 Desktop
drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Documents
drwxr-xr-x. 2 acadgild acadgild 4096 Jan 25 19:27 Downloads

```

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 ~]$ ls Public/
[acadgild@localhost ~]$ nano test.txt
[acadgild@localhost ~]$ cat test.txt
I am Kathiresan, learning Hadoop from Acadgild.
Fourth session has completed by Sai, but i missed the second session.

I am Kathiresan, learning Hadoop from Acadgild.
Fourth session has completed by Sai, but i missed the second session.

I am Kathiresan, learning Hadoop from Acadgild.
Fourth session has completed by Sai, but i missed the second session.

I am Kathiresan, learning Hadoop from Acadgild.
Fourth session has completed by Sai, but i missed the second session.

Thanks
[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

localhost:50070/explorer.html/#/


Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities

Browse the file system
Logs

Browse Directory

/ Go!   

Show 25 entries Search:

<input type="checkbox"/>	Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name	
<input type="checkbox"/>	drwxr-xr-x	acadgild	supergroup	0 B	Dec 29 16:34	0	0 B	hbase	
<input type="checkbox"/>	drwxr-xr-x	acadgild	supergroup	0 B	Jan 16 13:57	0	0 B	home	