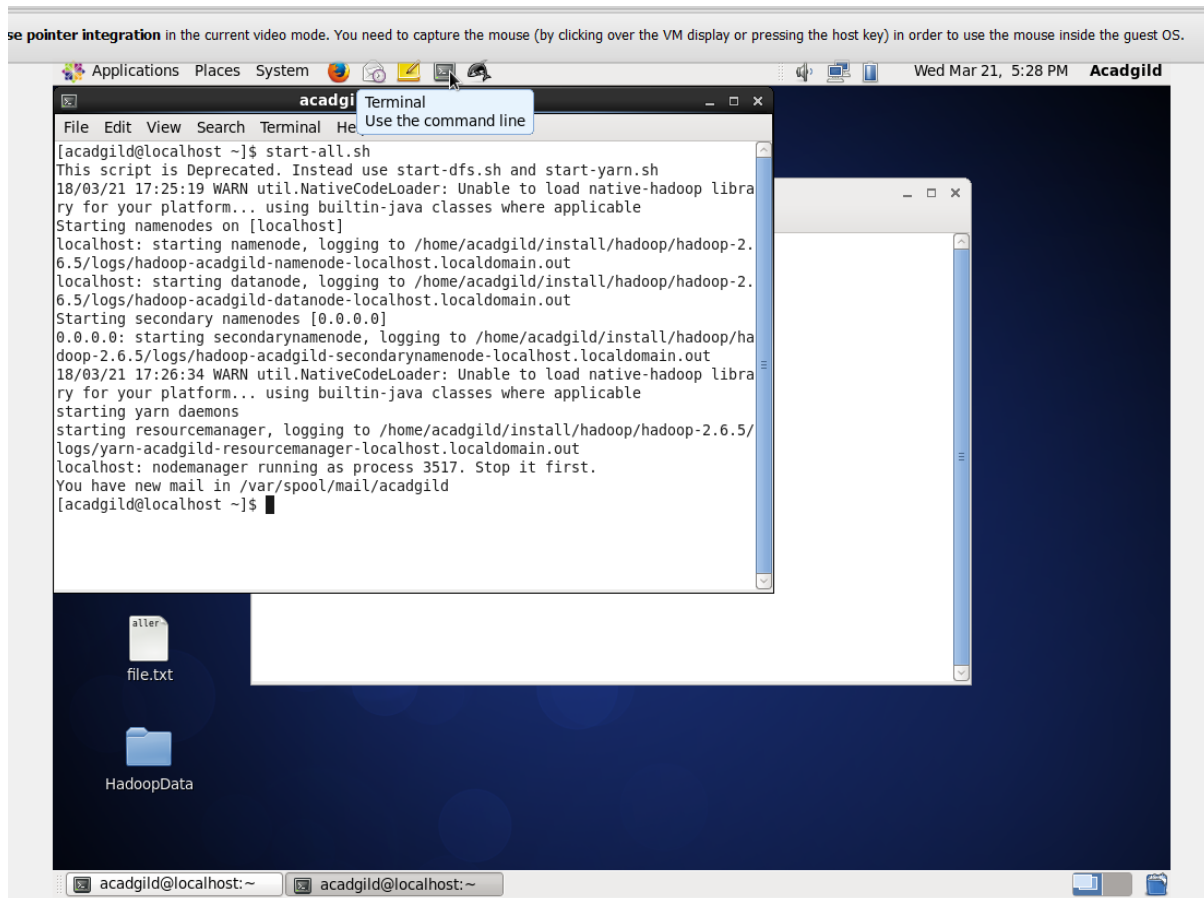


## Assignment 1

Start-all.sh – command to run all the daemons



```
se pointer integration in the current video mode. You need to capture the mouse (by clicking over the VM display or pressing the host key) in order to use the mouse inside the guest OS.

Applications Places System
acadgi Terminal
Use the command line
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/03/21 17:25:19 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
18/03/21 17:26:34 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: nodemanager running as process 3517. Stop it first.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

Jps : to check whether all daemons are running

```
[acadgild@localhost /]$ jps
5940 NameNode
6036 DataNode
6376 ResourceManager
6232 SecondaryNameNode
7146 Jps
6479 NodeManager
```

PWD : pwd command writes the full pathname of the current working directory to the standard output.

```
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

Ls -l : to see the lists of files and directories

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
/home/acadgild  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ ls -l  
total 116  
drwxr-xr-x. 6 acadgild acadgild 4096 Mar 3 00:02 Desktop  
drwxr-xr-x. 2 acadgild acadgild 4096 Feb 2 12:52 Documents  
drwxr-xr-x. 2 acadgild acadgild 4096 Mar 10 12:45 Downloads  
drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 16:59 eclipse  
drwxrwxr-x. 3 acadgild acadgild 4096 Jan 16 14:02 eclipse-workspace  
drwxrwxr-x. 2 acadgild acadgild 4096 Feb 25 11:28 Hadoop Examples  
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  
-rw-rw-r--. 1 acadgild acadgild 14974 Mar 3 00:44 pig_1520015415405.log  
-rw-rw-r--. 1 acadgild acadgild 8400 Mar 3 00:51 pig_1520018190655.log  
-rw-rw-r--. 1 acadgild acadgild 2800 Mar 3 00:54 pig_1520018660728.log  
-rw-rw-r--. 1 acadgild acadgild 2800 Mar 3 00:58 pig_1520018842544.log  
-rw-rw-r--. 1 acadgild acadgild 2800 Mar 3 01:07 pig_1520019387075.log  
-rw-rw-r--. 1 acadgild acadgild 2800 Mar 3 01:18 pig_1520019991609.log  
-rw-rw-r--. 1 acadgild acadgild 4300 Mar 7 22:27 pig_1520441642374.log  
-rw-rw-r--. 1 acadgild acadgild 5600 Mar 7 22:39 pig_1520441980146.log  
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 28 Feb 25 12:48 test1.txt
```

Creation of file:

```
[acadgild@localhost ~]$ nano assignment1.txt
```

File on hadoop system and cat:

```
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -ls /  
18/03/21 19:32:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 9 items  
-rw-r--r-- 1 acadgild supergroup 45 2018-03-21 17:51 /assignment1.txt  
-rw-r--r-- 1 acadgild supergroup 1056906185 2018-03-02 03:51 /file.txt  
drwxr-xr-x - acadgild supergroup 0 2018-03-01 18:51 /gunjandir  
drwxr-xr-x - acadgild supergroup 0 2018-03-03 01:41 /hadoopdata  
drwxr-xr-x - acadgild supergroup 0 2018-03-06 23:20 /myoutput  
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sqoopout111  
-rw-r--r-- 1 acadgild supergroup 35 2018-02-25 13:10 /test.txt  
drwxrwx--- - acadgild supergroup 0 2018-03-07 22:40 /tmp  
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user  
[acadgild@localhost ~]$ hadoop fs -cat /  
18/03/21 19:33:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
cat: `/' : Is a directory  
[acadgild@localhost ~]$ hadoop fs -cat /assignment1.txt  
18/03/21 19:33:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Hello this is first assignment file.Hello!!!  
You have new mail in /var/spool/mail/acadgild
```

Check localhost:50070 – no of blocks for file

Browsing HDFS - Mozilla Firefox

localhost:50070/explorer.html#/

Hadoop Overview Datanodes Snapshot Startup Progress Utilities

Browse Dir

Download

File information - assignment1.txt

Block information -- Block 0

Block ID: 1073741893  
Block Pool ID: BP-437583619-127.0.0.1-1517555661954  
Generation Stamp: 1069  
Size: 45  
Availability:  
• localhost

Close

Permission	Owner	Name
-rw-r--r--	acagild	assignment1.txt
-rw-r--r--	acagild	file.txt
drwxr-xr-x	acagild	gunjandir
drwxr-xr-x	acagild	hadoopdata
drwxr-xr-x	acagild	myoutput
drwxr-xr-x	acagild	sqoopout111
-rw-r--r--	acagild	test.txt
drwxrwx---	acagild	tmp
drwxr-xr-x	acagild	user

acagild@localhost: /

Browsing HDFS - Mozil...