

## Tasks

- 1) Start-all.sh – command starts all the Hadoop daemons, name node, datanodes, job trackers etc

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ start-all.sh  
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh  
18/10/21 18:48:01 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 3112. Stop it first.  
localhost: datanode running as process 3213. Stop it first.  
Starting secondary namenodes [0.0.0.0]  
0.0.0.0: secondarynamenode running as process 3394. Stop it first.  
18/10/21 18:48:12 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 3577. Stop it first.  
localhost: nodemanager running as process 3680. Stop it first.  
[acadgild@localhost ~]$
```

- 2) Jps – command is use to check all Hadoop daemons like NameNode, DataNode, ResourceManager, NodeManager etc. which are running on the machine.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ jps  
3680 NodeManager  
3394 SecondaryNameNode  
3112 NameNode  
5369 Jps  
3577 ResourceManager  
3213 DataNode  
[acadgild@localhost ~]$
```

- 3) Pwd - prints the full pathname of the current working directory.  
ls -ls - list all the files in long format with file size

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ ls -ls  
total 44  
4 drwxr-xr-x. 3 acadgild acadgild 4096 Feb  2 2018 Desktop  
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb  2 2018 Documents  
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb 13 2018 Downloads  
4 drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 2017 eclipse  
4 drwxrwxr-x. 3 acadgild acadgild 4096 Jan 16 2018 eclipse-workspace  
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb  9 2018 install  
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Music  
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
```

- 4) Created a file Udayan.txt using Nano editor.



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
GNU nano 2.0.9 File: udayan.txt  
  
Hello world!!!  
  
[ Read 2 lines ]  
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos  
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
```

Checked the contents of the file using cat command.



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ nano udayan.txt  
[acadgild@localhost ~]$ ls  
Desktop Downloads eclipse-workspace Music Public udayan.txt  
Documents eclipse install Pictures Templates Videos  
[acadgild@localhost ~]$ cat udayan.txt  
Hello world!!!  
[acadgild@localhost ~]$
```

- 5) Opened the Hadoop administration page using localhost:50070 and checked details of name node and datanodes etc.

## Overview 'localhost:8020' (active)

<b>Started:</b>	Sun Oct 21 18:25:45 IST 2018
<b>Version:</b>	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
<b>Compiled:</b>	2016-10-02T23:43Z by sjlee from branch-2.6.5
<b>Cluster ID:</b>	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
<b>Block Pool ID:</b>	BP-437583619-127.0.0.1-1517555661954

## Summary

Security is off.

Safemode is off.

29 files and directories, 3 blocks = 32 total filesystem object(s).

Heap Memory used 25.5 MB of 59.24 MB Heap Memory. Max Heap Memory is 966.69 MB.

Non Heap Memory used 43.32 MB of 44.31 MB Committed Non Heap Memory. Max Non Heap Memory is -1 B.

<b>Configured Capacity:</b>	17.11 GB
<b>DFS Used:</b>	200 KB