

1. Hadoop single node started using command “start-all.sh”

This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh

Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.

It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.

18/05/29 20:09:33 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/hadoop-2.7.2/logs/hadoop-acadgild-namenode-idea-pc.out

localhost: starting datanode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop-acadgild-datanode-idea-pc.out

Starting secondary namenodes [0.0.0.0]

0.0.0.0: starting secondarynamenode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop-acadgild-secondarynamenode-idea-pc.out

Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.

It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.

18/05/29 20:10:05 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/hadoop-2.7.2/logs/yarn-acadgild-resourcemanager-idea-pc.out

localhost: starting nodemanager, logging to /home/acadgild/hadoop-2.7.2/logs/yarn-acadgild-nodemanager-idea-pc.out

2. JPS command ran to see all hadoop daemons are running

```
[acadgild@idea-pc ~]$ jps
```

```
3153 NameNode
```

```
3251 DataNode
```

```
4007 Jps
```

```
3593 ResourceManager
```

```
3436 SecondaryNameNode
```

```
3695 NodeManager
```

3. Current working directory is printed

```
[acadgild@idea-pc ~]$ pwd
```

```
/home/acadgild
```

Ran unix commands like

ls -a, ls -n, ls -i, alias ls = “ls -l”, unalias ls, ls -ltr, ls -r, ls -R, ls -F, ls -lh,

ls -l /home/acagild/test

cat > sample.txt, cat sample.txt, echo sample.text, vi sample.txt, in vi editor ran various commands, used mkdir, mv, cp, ln

[acadgild@idea-pc ~]\$ ls -l

```
total 874812
drwxrwxr-x. 7 acadgild acadgild    4096 Aug 18  2016 apache-flume-1.6.0-bin
-rw-rw-r--. 1 acadgild acadgild 52550402 Aug 12  2016 apache-flume-1.6.0-bin.tar.gz
drwxrwxr-x. 9 acadgild acadgild    4096 Aug 12  2016 apache-hive-2.1.0-bin
-rw-rw-r--. 1 acadgild acadgild 149599799 Aug 12  2016 apache-hive-2.1.0-bin.tar.gz
drwxrwxr-x. 2 acadgild acadgild    4096 May 29 22:49 biplov
-rw-rw-r--. 1 acadgild acadgild    653 Aug 18  2016 derby.log
drwxr-xr-x. 4 acadgild acadgild    4096 May 29 22:29 Desktop
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Documents
drwxr-xr-x. 4 acadgild acadgild    4096 May 29 20:02 Downloads
drwxrwxr-x. 3 acadgild acadgild    4096 Aug 18  2016 eclipse
-rw-rw-r--. 1 acadgild acadgild 12939 Aug 18  2016 employee.java
drwxrwxr-x. 4 acadgild acadgild    4096 Aug 11  2016 hadoop
drwxr-xr-x. 10 acadgild acadgild    4096 Aug 12  2016 hadoop-2.7.2
-rw-rw-r--. 1 acadgild acadgild 212046774 Aug 11  2016 hadoop-2.7.2.tar.gz
drwxrwxr-x. 8 acadgild acadgild    4096 Aug 16  2016 hbase-1.0.3
-rw-rw-r--. 1 acadgild acadgild 103847513 Aug 12  2016 hbase-1.0.3-bin.tar.gz
drwxr-xr-x. 8 acadgild acadgild    4096 Jun 22  2016 jdk1.8.0_101
-rw-rw-r--. 1 acadgild acadgild 183456778 Aug 11  2016 jdk-8u101-linux-i586.tar.gz
-rw-rw-r--. 2 acadgild acadgild     10 May 29 23:21 link.txt
drwxrwxr-x. 5 acadgild acadgild    4096 Aug 18  2016 metastore_db
drwxrwxr-x. 5 acadgild acadgild    4096 Aug 12  2016 metastore_db.tmp
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Music
-rw-rw-r--. 1 acadgild acadgild      0 May 29 22:22 new file
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Pictures
drwxr-xr-x. 16 acadgild acadgild    4096 Jun  2  2016 pig-0.16.0
-rw-rw-r--. 1 acadgild acadgild 177279333 Aug 12  2016 pig-0.16.0.tar.gz
-rw-rw-r--. 1 acadgild acadgild  2615 Aug 12  2016 pig_1470979104717.log
-rw-rw-r--. 1 acadgild acadgild  2560 Aug 18  2016 pig_1471462105724.log
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Public
-rw-rw-r--. 2 acadgild acadgild     10 May 29 23:21 sample.txt
drwxrwxr-x. 4 acadgild acadgild    4096 Aug 11  2016 Softwares
drwxr-xr-x. 9 acadgild acadgild    4096 Apr 27  2015 sqoop-1.4.6.bin__hadoop-2.0.4-alpha
-rw-rw-r--. 1 acadgild acadgild 16870735 Aug 18  2016 sqoop-1.4.6.bin__hadoop-2.0.4-alpha.tar.gz
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Templates
drwxrwxr-x. 2 acadgild acadgild    4096 May 30 00:01 test.txt
drwxr-xr-x. 2 acadgild acadgild    4096 Aug 11  2016 Videos
drwxrwxr-x. 5 acadgild acadgild    4096 Aug 18  2016 workspace
```

[acadgild@idea-pc ~]\$ ls -ls

```
total 874812
  4 drwxrwxr-x. 7 acadgild acadgild    4096 Aug 18  2016 apache-flume-1.6.0-bin
51320 -rw-rw-r--. 1 acadgild acadgild 52550402 Aug 12  2016 apache-flume-1.6.0-bin.tar.gz
  4 drwxrwxr-x. 9 acadgild acadgild    4096 Aug 12  2016 apache-hive-2.1.0-bin
146100 -rw-rw-r--. 1 acadgild acadgild 149599799 Aug 12  2016 apache-hive-2.1.0-bin.tar.gz
```

4 drwxrwxr-x. 2 acadgild acadgild	4096 May 29 22:49 biplov
4 -rw-rw-r--. 1 acadgild acadgild	653 Aug 18 2016 derby.log
4 drwxr-xr-x. 4 acadgild acadgild	4096 May 29 22:29 Desktop
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Documents
4 drwxr-xr-x. 4 acadgild acadgild	4096 May 29 20:02 Downloads
4 drwxrwxr-x. 3 acadgild acadgild	4096 Aug 18 2016 eclipse
16 -rw-rw-r--. 1 acadgild acadgild	12939 Aug 18 2016 employee.java
4 drwxrwxr-x. 4 acadgild acadgild	4096 Aug 11 2016 hadoop
4 drwxr-xr-x. 10 acadgild acadgild	4096 Aug 12 2016 hadoop-2.7.2
207084 -rw-rw-r--. 1 acadgild acadgild	212046774 Aug 11 2016 hadoop-2.7.2.tar.gz
4 drwxrwxr-x. 8 acadgild acadgild	4096 Aug 16 2016 hbase-1.0.3
101416 -rw-rw-r--. 1 acadgild acadgild	103847513 Aug 12 2016 hbase-1.0.3-bin.tar.gz
4 drwxr-xr-x. 8 acadgild acadgild	4096 Jun 22 2016 jdk1.8.0_101
179160 -rw-rw-r--. 1 acadgild acadgild	183456778 Aug 11 2016 jdk-8u101-linux-i586.tar.gz
4 -rw-rw-r--. 2 acadgild acadgild	10 May 29 23:21 link.txt
4 drwxrwxr-x. 5 acadgild acadgild	4096 Aug 18 2016 metastore_db
4 drwxrwxr-x. 5 acadgild acadgild	4096 Aug 12 2016 metastore_db.tmp
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Music
0 -rw-rw-r--. 1 acadgild acadgild	0 May 29 22:22 new file
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Pictures
4 drwxr-xr-x. 16 acadgild acadgild	4096 Jun 2 2016 pig-0.16.0
173128 -rw-rw-r--. 1 acadgild acadgild	177279333 Aug 12 2016 pig-0.16.0.tar.gz
4 -rw-rw-r--. 1 acadgild acadgild	2615 Aug 12 2016 pig_1470979104717.log
4 -rw-rw-r--. 1 acadgild acadgild	2560 Aug 18 2016 pig_1471462105724.log
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Public
4 -rw-rw-r--. 2 acadgild acadgild	10 May 29 23:21 sample.txt
4 drwxrwxr-x. 4 acadgild acadgild	4096 Aug 11 2016 Softwares
4 drwxr-xr-x. 9 acadgild acadgild	4096 Apr 27 2015 sqoop-1.4.6.bin__hadoop-2.0.4-alpha
16476 -rw-rw-r--. 1 acadgild acadgild	16870735 Aug 18 2016 sqoop-1.4.6.bin__hadoop-2.0.4-alpha.tar.gz
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Templates
4 drwxrwxr-x. 2 acadgild acadgild	4096 May 30 00:01 test.txt
4 drwxr-xr-x. 2 acadgild acadgild	4096 Aug 11 2016 Videos
4 drwxrwxr-x. 5 acadgild acadgild	4096 Aug 18 2016 workspace

4. local host:50070:

Hadoop

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- [Snapshot](#)
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Overview 'localhost:9000' (active)

Started: Tue May 29 20:09:39 IST 2018

Version: 2.7.2, rb165c4fe8a74265c792ce23f546c64604acf0e41

Compiled: 2016-01-26T00:08Z by jenkins from (detached from b165c4f)

Cluster ID: CID-eb721c6d-6618-4e24-9bb7-c619bd410667

Block Pool ID: BP-1426469122-127.0.0.1-1470978085836

Summary

Security is off.

Safemode is off.

98 files and directories, 32 blocks = 130 total filesystem object(s).

Heap Memory used 54.45 MB of 86.73 MB Heap Memory. Max Heap Memory is 966.69 MB.

Non Heap Memory used 20.6 MB of 21.74 MB Committed Non Heap Memory. Max Non Heap Memory is -1 B.

Configured Capacity:	17.11 GB
DFS Used:	1.46 MB (0.01%)
Non DFS Used:	7.97 GB
DFS Remaining:	9.13 GB (53.39%)
Block Pool Used:	1.46 MB (0.01%)
DataNodes usages% (Min/Median/Max/stdDev):	0.01% / 0.01% / 0.01% / 0.00%
<u>Live Nodes</u>	1 (Decommissioned: 0)
<u>Dead Nodes</u>	0 (Decommissioned: 0)
<u>Decommissioning Nodes</u>	0
<u>Total Datanode Volume Failures</u>	0 (0 B)
Number of Under-Replicated Blocks	0
Number of Blocks Pending Deletion	0
Block Deletion Start Time	5/29/2018, 8:09:39 PM

NameNode Journal Status

Current transaction ID: 1693

Journal Manager	State
FileJournalManager(root=/home/acad	EditLogFileOutputStream(/home/acadgild/hadoop/namenode/c
gild/hadoop/namenode)	urrent/edits_inprogress_00000000000000001693)

NameNode Storage

Storage Directory	Type	State
/home/acadgild/hadoop/namenode	IMAGE_AND_EDITS	Active

Hadoop, 2015.

5. Created file using nano editor:

```
[acadgild@idea-pc ~]$ nano sample.txt
```

Command used to save is control + O, command used to close is control + X

```
[acadgild@idea-pc ~]$
```