

```
acadmild@localhost:~  
File Edit View Search Terminal Help  
[acadmild@localhost ~]$ jps  
4005 ResourceManager  
3543 NameNode  
7081 Jps  
4107 NodeManager  
3820 SecondaryNameNode  
3644 DataNode  
[acadmild@localhost ~]$  
  
scala                2.12.4  
=====   
maven                3.3.9  
=====   
eclipse              oxygen2  
=====   
  
NOTE : Eclipse is also integrated with scala ide  
  
NOTE : Handson material available at www.acadmild.com/blog
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[acadmild@localhost ~]$ jps  
4005 ResourceManager  
3543 NameNode  
7081 Jps  
4107 NodeManager  
3820 SecondaryNameNode  
3644 DataNode  
[acadmild@localhost ~]$ stop-all.sh  
This script is Deprecated. Instead use stop-dfs.sh and stop-yarn.sh  
18/05/05 17:50:59 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Stopping namenodes on [localhost]  
localhost: stopping namenode  
localhost: stopping datanode  
Stopping secondary namenodes [0.0.0.0]  
0.0.0.0: stopping secondarynamenode  
18/05/05 17:51:23 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
stopping yarn daemons  
stopping resourcemanager  
localhost: stopping nodemanager  
no proxyserver to stop  
You have new mail in /var/spool/mail/acadmild  
[acadmild@localhost ~]$
```

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scala                2.12.4  
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maven                3.3.9  
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```
localhost: stopping namenode
localhost: stopping datanode
Stopping secondary namenodes [0.0.0.0]
0.0.0.0: stopping secondarynamenode
18/05/05 17:51:23 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
stopping yarn daemons
stopping resourcemanager
localhost: stopping nodemanager
no proxyserver to stop
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ jps
7654 Jps
[acadgild@localhost ~]$ sudo service sshd start
[sudo] password for acadgild:
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ jps
7740 Jps
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/05/05 17:54:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoop-acadgild-namenode-localhost.l
ocaldomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoop-acadgild-datanode-localhost.l
ocaldomain.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-secondaryname
node-localhost.localdomain.out
18/05/05 17:54:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses 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: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-acadgild-nodemanager-localho
st.localdomain.out
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
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```
[acadgild@localhost ~]$ sudo service sshd start
[sudo] password for acadgild:
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ jps
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[acadgild@localhost ~]$ start-all.sh
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18/05/05 17:54:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoop-acadgild-namenode-localhost.l
ocaldomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/hadoop-acadgild-datanode-localhost.l
ocaldomain.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-secondaryname
node-localhost.localdomain.out
18/05/05 17:54:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses 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: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-acadgild-nodemanager-localho
st.localdomain.out
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ jps
7890 NameNode
8324 ResourceManager
8180 SecondaryNameNode
7991 DataNode
8426 NodeManager
8750 Jps
[acadgild@localhost ~]$ mr-jobhistory-demon.sh start historyserver
bash: mr-jobhistory-demon.sh: command not found
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ mr-jobhistory-daemon.sh start historyserver
starting historyserver, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/mapred-acadgild-historyserver-localhost.lo
caldomain.out
[acadgild@localhost ~]$
```

```
8324 ResourceManager
8180 SecondaryNameNode
7991 DataNode
8426 NodeManager
8750 Jps
[acadgild@localhost ~]$ mr-jobhistory-demon.sh start historyserver
bash: mr-jobhistory-demon.sh: command not found
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ mr-jobhistory-daemon.sh start historyserver
starting historyserver, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/mapred-acadgild-historyserver-localhost.lo
caldomain.out
[acadgild@localhost ~]$ pig
18/05/05 17:57:30 INFO pig.ExecTypeProvider: Trying ExecType : LOCAL
18/05/05 17:57:30 INFO pig.ExecTypeProvider: Trying ExecType : MAPREDUCE
18/05/05 17:57:30 INFO pig.ExecTypeProvider: Picked MAPREDUCE as the ExecType
2018-05-05 17:57:30,431 [main] INFO org.apache.pig.Main - Apache Pig version 0.16.0 (r1746530) compiled Jun 01 2016, 23:10:4
9
2018-05-05 17:57:30,431 [main] INFO org.apache.pig.Main - Logging error messages to: /home/acadgild/pig_1525523250425.log
2018-05-05 17:57:30,514 [main] INFO org.apache.pig.impl.util.Utills - Default bootup file /home/acadgild/.pigbootup not found
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!
/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/install/hbase/hbase-1.2.6/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/Static
LoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
2018-05-05 17:57:32,027 [main] WARN org.apache.hadoop.util.NativeCodeLoader - Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
2018-05-05 17:57:32,093 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is deprecated. Ins
tead, use mapreduce.jobtracker.address
2018-05-05 17:57:32,093 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instea
d, use fs.defaultFS
2018-05-05 17:57:32,093 [main] INFO org.apache.pig.backend.hadoop.executionengine.HExecutionEngine - Connecting to hadoop fi
le system at: hdfs://localhost:8020
2018-05-05 17:57:33,319 [main] INFO org.apache.pig.PigServer - Pig Script ID for the session: PIG-default-7dc804bd-5969-4cef
-9861-54baffb420c4
2018-05-05 17:57:33,319 [main] WARN org.apache.pig.PigServer - ATS is disabled since yarn.timeline-service.enabled set to fa
lse
grunt>
```

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```
[acadgild@localhost ~]$ stop all.sh
stop: Unknown job: all.sh
[acadgild@localhost ~]$ jps
7890 NameNode
8324 ResourceManager
8180 SecondaryNameNode
7991 DataNode
8426 NodeManager
9116 Jps
8846 JobHistoryServer
[acadgild@localhost ~]$ stop all.sh
stop: Unknown job: all.sh
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ stop-all.sh
This script is Deprecated. Instead use stop-dfs.sh and stop-yarn.sh
18/05/05 18:00:54 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Stopping namenodes on [localhost]
localhost: stopping namenode
localhost: stopping datanode
Stopping secondary namenodes [0.0.0.0]
0.0.0.0: stopping secondarynamenode
18/05/05 18:01:19 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
stopping yarn daemons
stopping resourcemanager
localhost: stopping nodemanager
no proxyserver to stop
[acadgild@localhost ~]$ sudo service mysql start
[sudo] password for acadgild:
Starting mysql: [ OK ]
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

# Overview 'localhost:8020' (active)

Started:	Sat May 05 18:15:01 IST 2018
Version:	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
Compiled:	2016-10-02T23:43Z by sjlee from branch-2.6.5
Cluster ID:	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
Block Pool ID:	BP-437583619-127.0.0.1-1517555661954

## Summary

Security is off.

Safemode is off.

23 files and directories, 1 blocks = 24 total filesystem object(s).

# Datanode Information

In operation

Node	Last contact	Admin State	Capacity	Used	Non DFS Used	Remaining	Blocks	Block pool used	Failed Volumes	Version
localhost (127.0.0.1:50010)	2	In Service	17.11 GB	48 KB	11.63 GB	5.48 GB	1	48 KB (0%)	0	2.6.5

## Decomissioning

Node	Last contact	Under replicated blocks	Blocks with no live replicas	Under Replicated Blocks In files under construction
------	--------------	-------------------------	------------------------------	---

Hadoop, 2016.

Refresh Firefox...



# Startup Progress

Elapsed Time: 2 sec, Percent Complete: 100%

Phase	Completion	Elapsed Time
<b>Loading fsimage /home/acadgild/install/data/dfs/name/current /fsimage_00000000000000000338 2.07 KB</b>	<b>100%</b>	<b>0 sec</b>
inodes (0/0)	100%	
delegation tokens (0/0)	100%	
cache pools (0/0)	100%	
<b>Loading edits</b>	<b>100%</b>	<b>0 sec</b>
/home/acadgild/install/data/dfs/name/current /edits_00000000000000000339-00000000000000000342 1 MB (4/4)	100%	
<b>Saving checkpoint</b>	<b>100%</b>	<b>0 sec</b>

```
acadgild@localhost:~  
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[acadgild@localhost ~]$ cat >nanoeditor.txt  
hello world  
[acadgild@localhost ~]$
```

delegation tokens (0/0)		
cache pools (0/0)		
<b>Loading edits</b>	<b>100%</b>	<b>0 sec</b>
/home/acadgild/install/data/dfs/name/current	100%	
/edits_00000000000000000339-00000000000000000342 1 MB (4/4)	100%	
<b>Saving checkpoint</b>	<b>100%</b>	<b>0 sec</b>

Download Templates  
simple.txt

acadmild@localhost:~

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```
[acadgild@localhost ~]$ cat <home/acadgild/simple.txt
bash: home/acadgild/simple.txt: No such file or directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls
Desktop  eclipse-workspace  Pictures  Templates
Documents  install          pig_1525523250425.log  test.txt.save
Downloads  Music            Public    Videos
eclipse   nanoeditor.txt    simple.txt
[acadgild@localhost ~]$ cat /home/desktop/acadgild/nanoeditor.txt
cat: /home/desktop/acadgild/nanoeditor.txt: No such file or directory
[acadgild@localhost ~]$ cat /documents/nanoeditor.txt
cat: /documents/nanoeditor.txt: No such file or directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls
Desktop  eclipse-workspace  Pictures  Templates
Documents  install          pig_1525523250425.log  test.txt.save
Downloads  Music            Public    Videos
eclipse   nanoeditor.txt    simple.txt
[acadgild@localhost ~]$ cat /home/acadgild/nanoeditor.txt
hello world
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

nanoedit