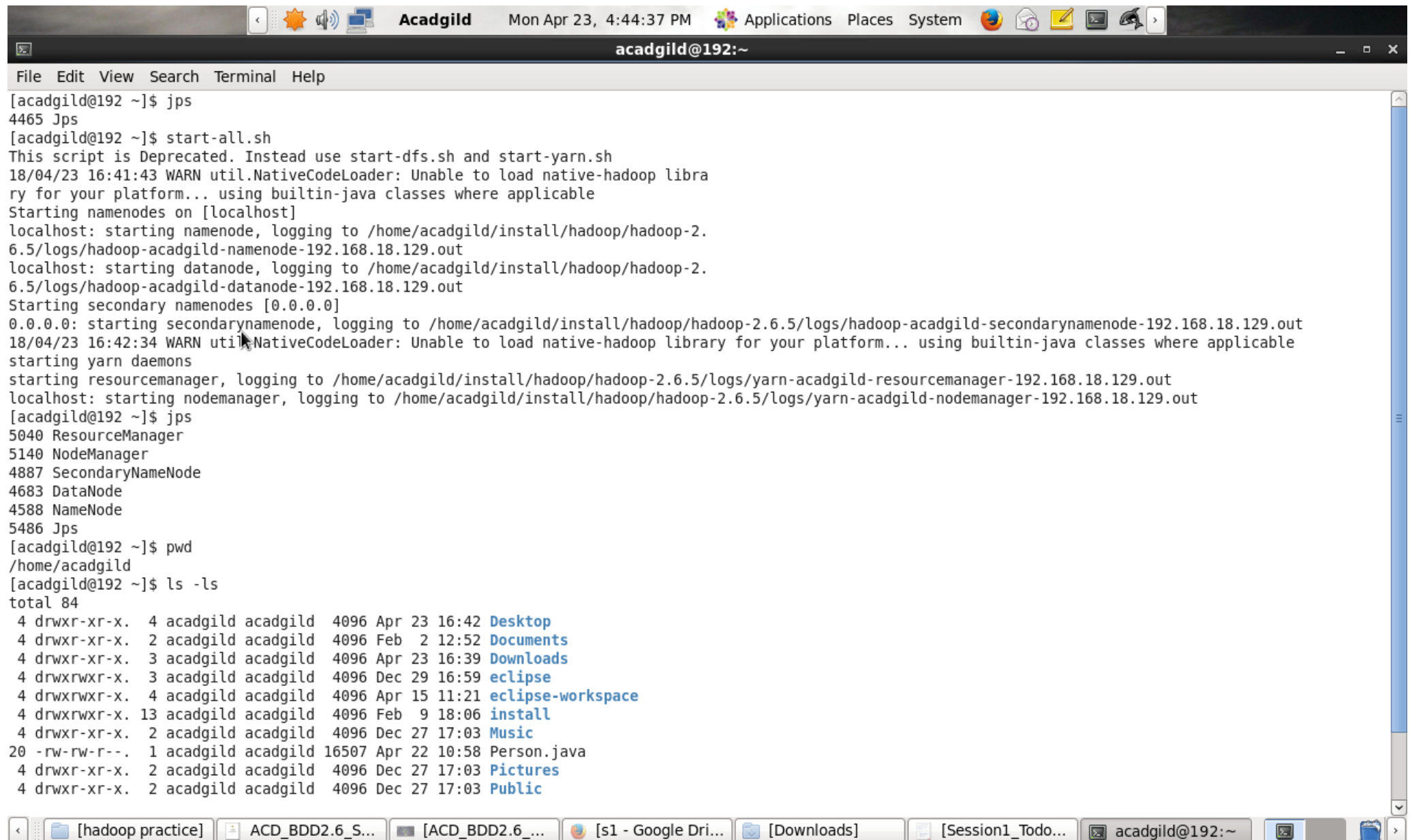


ASSIGNMENT 1

Started All demons using START-ALL.SH command, verified demons are running or not using JPS command



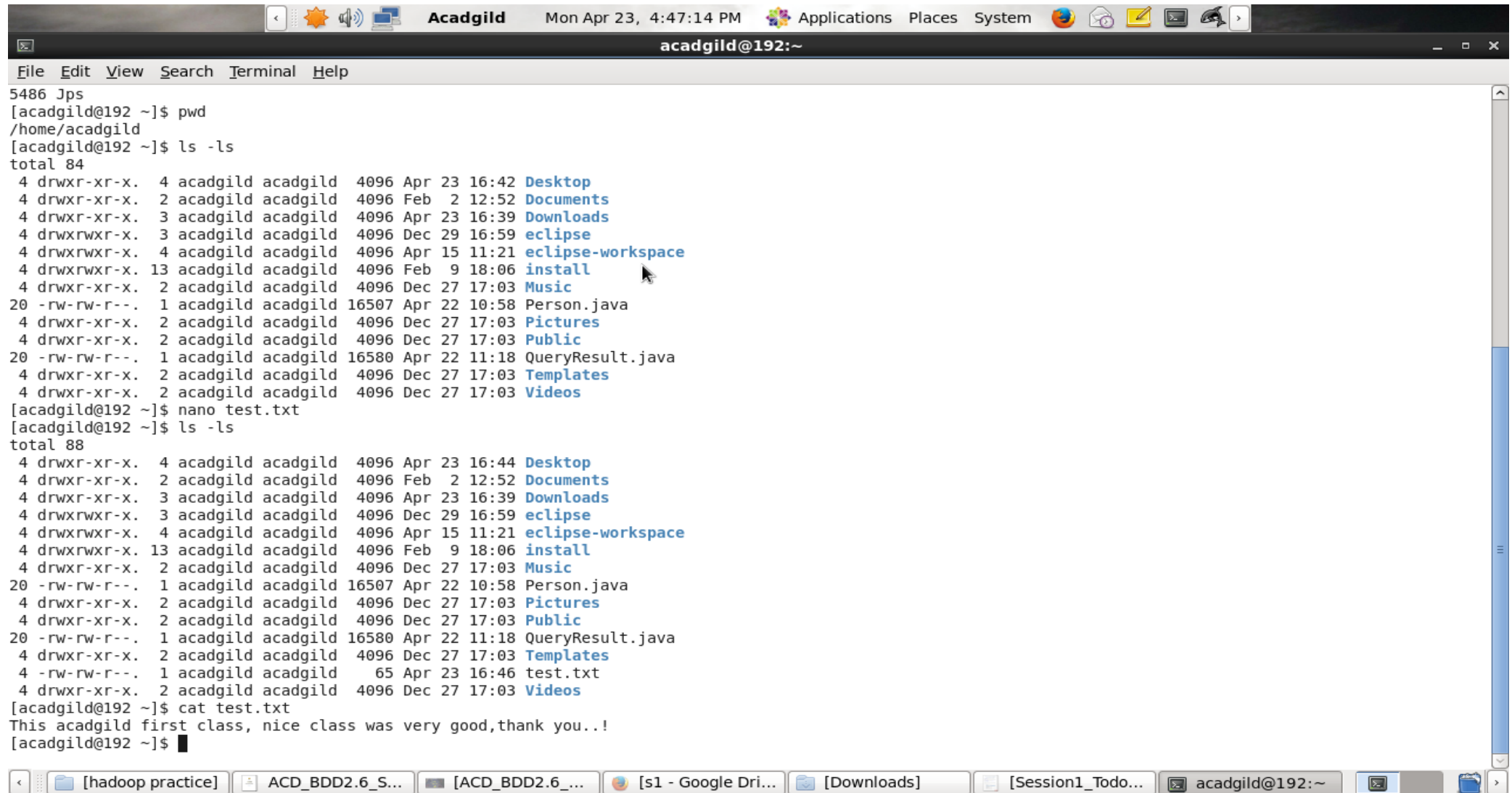
The screenshot shows a terminal window titled 'acadgild@192:~' with a menu bar (File, Edit, View, Search, Terminal, Help) and a system bar at the top. The terminal output shows the execution of 'jps' and 'start-all.sh'. The 'start-all.sh' script is deprecated and shows warnings about native Hadoop libraries. It starts namenodes, datanodes, secondary namenodes, and yarn daemons (ResourceManager, NodeManager). After running 'jps', the output lists the running processes with their PIDs. Finally, 'pwd' and 'ls -ls' are executed, showing the current directory and a list of files in the home directory.

```
[acadgild@192 ~]$ jps
4465 Jps
[acadgild@192 ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/04/23 16:41:43 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry 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-192.168.18.129.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.
6.5/logs/hadoop-acadgild-datanode-192.168.18.129.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-192.168.18.129.out
18/04/23 16:42:34 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-192.168.18.129.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/logs/yarn-acadgild-nodemanager-192.168.18.129.out
[acadgild@192 ~]$ jps
5040 ResourceManager
5140 NodeManager
4887 SecondaryNameNode
4683 DataNode
4588 NameNode
5486 Jps
[acadgild@192 ~]$ pwd
/home/acadgild
[acadgild@192 ~]$ ls -ls
total 84
 4 drwxr-xr-x.  4 acadgild acadgild  4096 Apr 23 16:42 Desktop
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Feb  2 12:52 Documents
 4 drwxr-xr-x.  3 acadgild acadgild  4096 Apr 23 16:39 Downloads
 4 drwxrwxr-x.  3 acadgild acadgild  4096 Dec 29 16:59 eclipse
 4 drwxrwxr-x.  4 acadgild acadgild  4096 Apr 15 11:21 eclipse-workspace
 4 drwxrwxr-x. 13 acadgild acadgild  4096 Feb  9 18:06 install
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Music
20 -rw-rw-r--.  1 acadgild acadgild 16507 Apr 22 10:58 Person.java
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Pictures
 4 drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Public
```

ASSIGNMENT 1

PWD – PRINT CURRENT WORKING DIRECTORY , used to know in which directory currently we are, LS –LS list all direcotry contents in long format along with size

Nano editor is used to create test.txt file, written some data into it & printed data of test.txt using CAT test.txt command



The screenshot shows a terminal window titled 'Acadgild' with the date and time 'Mon Apr 23, 4:47:14 PM'. The user is logged in as 'acadgild@192'. The terminal displays the following commands and output:

```
5486 Jps
[acadgild@192 ~]$ pwd
/home/acadgild
[acadgild@192 ~]$ ls -ls
total 84
 4 drwxr-xr-x.  4 acadgild acadgild 4096 Apr 23 16:42 Desktop
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Feb  2 12:52 Documents
 4 drwxr-xr-x.  3 acadgild acadgild 4096 Apr 23 16:39 Downloads
 4 drwxrwxr-x.  3 acadgild acadgild 4096 Dec 29 16:59 eclipse
 4 drwxrwxr-x.  4 acadgild acadgild 4096 Apr 15 11:21 eclipse-workspace
 4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb  9 18:06 install
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Music
20 -rw-rw-r--.  1 acadgild acadgild 16507 Apr 22 10:58 Person.java
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Pictures
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Public
20 -rw-rw-r--.  1 acadgild acadgild 16580 Apr 22 11:18 QueryResult.java
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Templates
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Videos
[acadgild@192 ~]$ nano test.txt
[acadgild@192 ~]$ ls -ls
total 88
 4 drwxr-xr-x.  4 acadgild acadgild 4096 Apr 23 16:44 Desktop
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Feb  2 12:52 Documents
 4 drwxr-xr-x.  3 acadgild acadgild 4096 Apr 23 16:39 Downloads
 4 drwxrwxr-x.  3 acadgild acadgild 4096 Dec 29 16:59 eclipse
 4 drwxrwxr-x.  4 acadgild acadgild 4096 Apr 15 11:21 eclipse-workspace
 4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb  9 18:06 install
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Music
20 -rw-rw-r--.  1 acadgild acadgild 16507 Apr 22 10:58 Person.java
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Pictures
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Public
20 -rw-rw-r--.  1 acadgild acadgild 16580 Apr 22 11:18 QueryResult.java
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Templates
 4 -rw-rw-r--.  1 acadgild acadgild    65 Apr 23 16:46 test.txt
 4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27 17:03 Videos
[acadgild@192 ~]$ cat test.txt
This acadgild first class, nice class was very good,thank you..!
[acadgild@192 ~]$
```

The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The bottom of the window shows a taskbar with several open applications: '[hadoop practice]', 'ACD_BDD2.6_S...', '[ACD_BDD2.6_...]', '[s1 - Google Dri...', '[Downloads]', '[Session1_Todo...', and 'acadgild@192:~'.

ASSIGNMENT 1

Using localhost:5007 from browser navigated to HDFS home directory , please find the screenshots

The screenshot shows a Mozilla Firefox browser window with the title "Namenode information - Mozilla Firefox". The address bar shows the URL "localhost:50070/dfshealth.html#tab-overview". The browser's status bar at the bottom shows several open tabs: "[hadoop practice]", "ACD_BDD2.6_S...", "[ACD_BDD2.6_...", "Namenode info...", "[Downloads]", "Session1_Todo_...", and "acadgild@192:~".

The main content area of the browser displays the "Namenode information" page. It has a green navigation bar with the following tabs: "Hadoop", "Overview", "Datanodes", "Snapshot", "Startup Progress", and "Utilities". The "Overview" tab is currently selected.

Overview 'localhost:8020' (active)

Started:	Mon Apr 23 16:41:54 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.
44 files and directories, 15 blocks = 59 total filesystem object(s).
Heap Memory used 31.74 MB of 60.06 MB Heap Memory. Max Heap Memory is 966.69 MB.

ASSIGNMENT 1

Acadgild Mon Apr 23, 4:48:28 PM Applications Places System

Browsing HDFS - Mozilla Firefox

Browsing HDFS x +

localhost:50070/explorer.html#/ Search

Hadoop Overview Datanodes Snapshot Startup Progress Utilities

Browse Directory

/ Go!

Permission	Owner	Group	Size	Replication	Block Size	Name
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	hadoopdata
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	sqoopout
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	sqoopout111
drwxrwx---	acadgild	supergroup	0 B	0	0 B	tmp
drwxr-xr-x	acadgild	supergroup	0 B	0	0 B	user

Hadoop, 2016.

[hadoop practice] ACD_BDD2.6_S... [ACD_BDD2.6_... Browsing HDFS ... [Downloads] Session1_Todo_... acadgild@192:~

ASSIGNMENT 1

Acadgild Mon Apr 23, 4:48:35 PM Applications Places System

Namenode information - Mozilla Firefox

Namenode information x +

localhost:50070/dfshealth.html#tab-startup-progress

Elapsed Time: 48 sec, Percent Complete: 100%

Phase	Completion	Elapsed Time
Loading fsimage /home/acadgild/install/data/dfs/name/current/fsimage_0000000000000000342 2.2 KB	100%	3 sec
inodes (0/0)	100%	
delegation tokens (0/0)	100%	
cache pools (0/0)	100%	
Loading edits	100%	0 sec
/home/acadgild/install/data/dfs/name/current/edits_0000000000000000343-00000000000000000947 1 MB (605/605)	100%	
Saving checkpoint	100%	1 sec
inodes /home/acadgild/install/data/dfs/name/current/fsimage.ckpt_00000000000000000947 (0/0)	100%	
delegation tokens /home/acadgild/install/data/dfs/name/current/fsimage.ckpt_00000000000000000947 (0/0)	100%	
cache pools /home/acadgild/install/data/dfs/name/current/fsimage.ckpt_00000000000000000947 (0/0)	100%	
Safe mode	100%	37 sec
awaiting reported blocks (15/15)	100%	

Hadoop, 2016.

Legacy UI

[hadoop practice] ACD_BDD2.6_S... [ACD_BDD2.6_... Namenode info... [Downloads] Session1_Todo_... acadgild@192:~

ASSIGNMENT 1

Acadgild Mon Apr 23, 4:48:46 PM Applications Places System

Namenode information - Mozilla Firefox

Namenode information x +

localhost:50070/dfshealth.html#tab-datanode Search

Hadoop Overview **Datanodes** Snapshot Startup Progress Utilities

Datanode Information

In operation

Node	Last contact	Admin State	Capacity	Used	Non DFS Used	Remaining	Blocks	Block pool used	Failed Volumes	Version
192.168.18.129 (127.0.0.1:50010)	0	In Service	17.11 GB	592 KB	13.45 GB	3.66 GB	15	592 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
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Hadoop, 2016. Legacy UI

[hadoop practice] ACD_BDD2.6_S... [ACD_BDD2.6_... Namenode info... [Downloads] Session1_Todo_... acadgild@192:~