

Vijay's Assignment 2

Task 1:

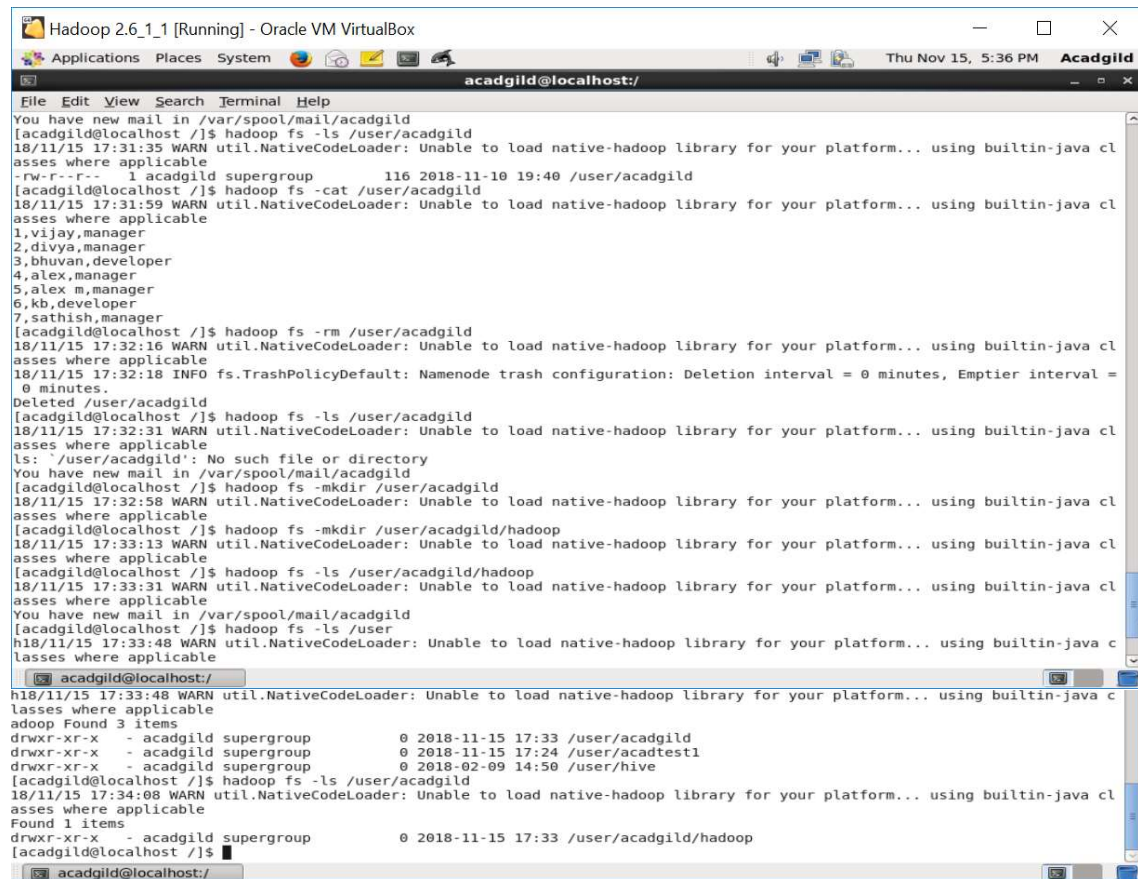
Check whether /user/acadgild directory exists or not in the HDFS.

If it doesn't exist, then create this.

Create a directory /user/acadgild/hadoop.

Description of what was done

- 1) I already had a file called acadgild with some test data under /user path in my HDFS. So first the file was removed
- 2) Using mkdir option of Hadoop fs command a new directory /user/acadgild was created and then a new directory /hadoop within /user/acadgild path
- 3) Using Hadoop fs -ls option display the folder /user/acadgild/hadoop directory



```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadgild@localhost:~$
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
18/11/15 17:31:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rw-r--r-- 1 acadgild supergroup 116 2018-11-10 19:40 /user/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild
18/11/15 17:31:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
1,vijay,manager
2,divya,manager
3,bhuvan,developer
4,alex,manager
5,alex m,manager
6,kb,developer
7,sathish,manager
[acadgild@localhost ~]$ hadoop fs -rm /user/acadgild
18/11/15 17:32:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/11/15 17:32:18 INFO fs.TrashPolicyDefault: Namenode trash configuration: Deletion interval = 0 minutes, Empty interval = 0 minutes.
Deleted /user/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
18/11/15 17:32:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ls: '/user/acadgild': No such file or directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild
18/11/15 17:32:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/11/15 17:33:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/11/15 17:33:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user
h18/11/15 17:33:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
acadgild@localhost:~$
h18/11/15 17:33:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
adoop Found 3 items
drwxr-xr-x - acadgild supergroup 0 2018-11-15 17:33 /user/acadgild
drwxr-xr-x - acadgild supergroup 0 2018-11-15 17:24 /user/acadtest1
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
18/11/15 17:34:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x - acadgild supergroup 0 2018-11-15 17:33 /user/acadgild/hadoop
[acadgild@localhost ~]$
acadgild@localhost:~$
```

Task 2:

Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.

Whatever we type on screen should get appended to the file.

Try to type (on screen) few lines from any online article or textbook.

Description of what was done

- 1) A new file word-count.txt was created in the path /user/acadgild/hadoop and using the “-put -” option of Hadoop fs to start streaming the forth coming data into word-count.txt
- 2) Once all the lines needed are entered, press Ctrl+D to save and close the edit session
- 3) Display the content of the file using Hadoop fs -cat command

```
[acadgild@localhost ~]$ hadoop fs -put - /user/acadgild/hadoop/word-count.txt
18/11/15 20:28:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
this is this is a test by vijay for acadgild assignment 2
this is completed on Nov 15 2018
this step is to directly write multiple lines into a file in HDFS from terminal input
this is achieved using -put command under hadoop fs
thats it for now
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/word-count.txt
18/11/15 20:33:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
-rw-r--r-- 1 acadgild supergroup          247 2018-11-15 20:29 /user/acadgild/hadoop/word-count.txt
you have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/11/15 20:34:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
this is this is a test by vijay for acadgild assignment 2
this is completed on Nov 15 2018
this step is to directly write multiple lines into a file in HDFS from terminal input
this is achieved using -put command under hadoop fs
thats it for now
[acadgild@localhost ~]$
```

Task 3:

Create a file max-temp.txt in local FS.

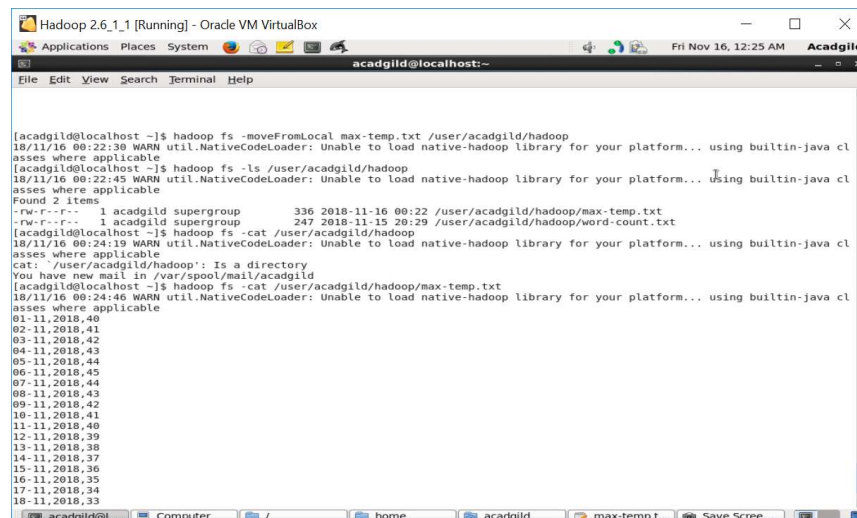
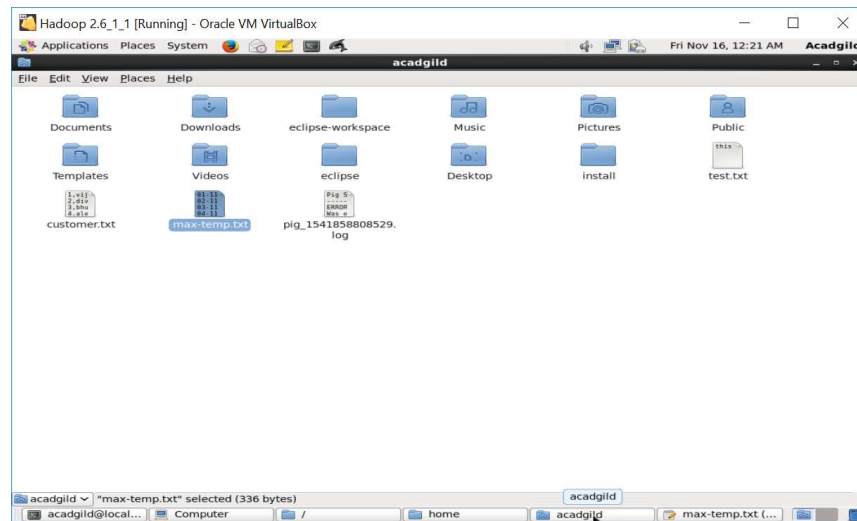
Put some 10-15 records of date and temperature example:

dd-mm-yyyy,temperature

Move this file to HDFS at /user/acadgild/hadoop.

Description of what was done

- 1) A new file max-temp.txt was created in the VM under the path /home/acadgild
- 2) Using Hadoop fs -moveFromLocal command this file was moved to the HDFS path /user/acadgild/Hadoop
- 3) The Content of the folder was displayed using Hadoop fs -ls command and the content of the file was displayed using Hadoop fs -cat command

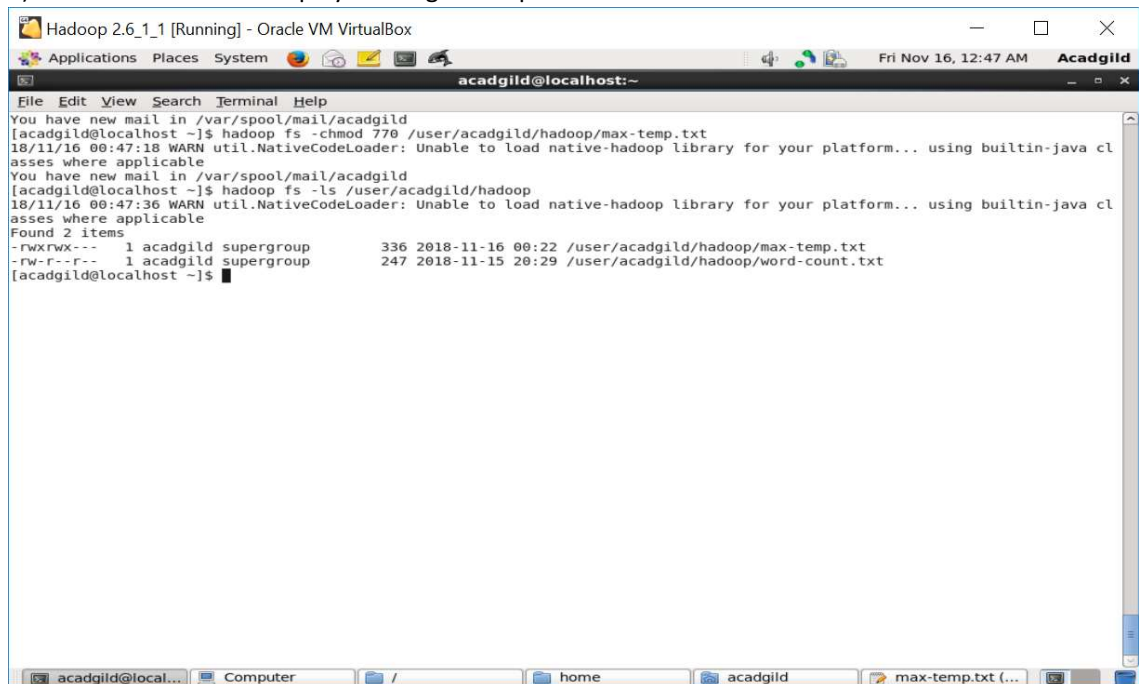


Task 4:

Change the permission of the file /user/acadgild/hadoop/max-temp.txt, such that only the owner and the group members have full control over the file. Others do not have any control over it.

Description of what was done

- 1) Using Hadoop fs -chmod command and option 770 the permission of the file /user/acadgild/Hadoop/max-temp.txt was changed so users and groups have all the access and others have none.
- 2) The access list was displayed using Hadoop fs -ls command



```
Hadoop 2.6_1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/11/16 00:47:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/11/16 00:47:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rwxrwx--- 1 acadgild supergroup 336 2018-11-16 00:22 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 247 2018-11-15 20:29 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```