

```

• MobaXterm 10.4 •
(SSH client, X-server and networking tools)

→ SSH session to acadgild@192.168.56.2
• SSH compression : v
• SSH-browser      : v
• X11-forwarding   : v (remote display is forwarded through SSH)
• DISPLAY          : v (automatically set on remote server)

→ For more info, ctrl+click on help or visit our website

```

```

Last login: Tue Jul  3 10:59:03 2018 from 192.168.56.1
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ hadoop fs -ls /user
18/07/03 14:12:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/07/03 14:12:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
mkdir: `/user/acadgild/hadoop': No such file or directory
[acadgild.mmisra ~]$
You have new mail in /var/spool/mail/acadgild

# CREATE directory /user/acadgild/hadoop
[acadgild.mmisra ~]$ hadoop fs -mkdir -f /user/acadgild/hadoop
mkdir: Illegal option -f
Usage: hadoop fs [generic options] -mkdir [-p] <path> ...
[acadgild.mmisra ~]$ hadoop fs -mkdir -p /user/acadgild/hadoop
18/07/03 14:12:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ hadoop fs -lsr /user/acadgild
lsr: DEPRECATED: Please use 'ls -R' instead.
18/07/03 14:13:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
drwxr-xr-x  - acadgild supergroup          0 2018-07-03 14:12 /user/acadgild/hadoop
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$

# Check if directory /user/acadgild/Hadoop is created
[acadgild.mmisra ~]$ hadoop fs -ls -R /user/acadgild
18/07/03 14:13:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
drwxr-xr-x  - acadgild supergroup          0 2018-07-03 14:12 /user/acadgild/hadoop
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
You have new mail in /var/spool/mail/acadgild
[acadgild.mmisra ~]$

```

```
# Create a file word-count.txt in /user/acadgild/Hadoop which appends input from stdin
# we use - as the source of the -put command
```

```
[acadgild.mmisra ~]$ hadoop fs -put - /user/acadgild/hadoop/word-count.txt
18/07/03 14:14:12 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
#this is way to write STDIn and append to a file in HDFS
paste a nice poem below
```

```
And then the day came,
when the risk
to remain tight
in a bud
was more painful
than the risk
it took
to Blossom.
```

```
Press CTRL+D to come out of stdin and tell the program EOF
You have new mail in /var/spool/mail/acadgild
```

```
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
```

```
# see if the file got created
```

```
[acadgild.mmisra ~]$ hadoop fs -ls -R /user/acadgild
18/07/03 14:16:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
drwxr-xr-x   - acadgild supergroup          0 2018-07-03 14:16 /user/acadgild/hadoop
-rw-r--r--   1 acadgild supergroup        255 2018-07-03 14:16
/user/acadgild/hadoop/word-count.txt
[acadgild.mmisra ~]$
```

```
# dump content of the file
```

```
[acadgild.mmisra ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/07/03 14:16:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
#this is way to write STDIn and append to a file in HDFS
paste a nice poem below
```

```
And then the day came,
when the risk
to remain tight
in a bud
was more painful
than the risk
it took
to Blossom.
```

```
Press CTRL+D to come out of stdin and tell the program EOF
```

```
[acadgild.mmisra ~]$
You have new mail in /var/spool/mail/acadgild
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
```

```
# create file max-temp.txt in local file system
```

```
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ vim max-temp.txt
You have new mail in /var/spool/mail/acadgild
```

```

[acadgild.mmisra ~]$
# print the contents of the max-temp.txt file

[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ cat max-temp.txt
10-10-18,15
10-3-19,46
6-7-83,50
7-8-17,47
8-8-17,23
9-8-18,42
1-2-17,32
5-7-18,45
11-2-16,23

# move the file to HDFS

[acadgild.mmisra ~]$ hadoop fs -moveFromLocal max-temp.txt /user/acadgild/hadoop
18/07/03 14:19:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild.mmisra ~]$

# check if the file was moved
[acadgild.mmisra ~]$ hadoop fs -ls /user/acadgild/hadoop
18/07/03 14:20:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r--  1 acadgild supergroup          94 2018-07-03 14:19
/user/acadgild/hadoop/max-temp.txt
-rw-r--r--  1 acadgild supergroup        255 2018-07-03 14:16
/user/acadgild/hadoop/word-count.txt
You have new mail in /var/spool/mail/acadgild

# check content of the file

[acadgild.mmisra ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/07/03 14:20:23 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
10-10-18,15
10-3-19,46
6-7-83,50
7-8-17,47
8-8-17,23
9-8-18,42
1-2-17,32
5-7-18,45
11-2-16,23
[acadgild.mmisra ~]$ hadoop fs -ls -al /user/acadgild/hadoop/max-temp.txt
-ls: Illegal option -al
Usage: hadoop fs [generic options] -ls [-d] [-h] [-R] [<path> ...]
You have new mail in /var/spool/mail/acadgild
[acadgild.mmisra ~]$ hadoop fs -ls -h /user/acadgild/hadoop/max-temp.txt
18/07/03 14:21:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
-rw-r--r--  1 acadgild supergroup          94 2018-07-03 14:19
/user/acadgild/hadoop/max-temp.txt
[acadgild.mmisra ~]$
You have new mail in /var/spool/mail/acadgild
[acadgild.mmisra ~]$

```

```
# change file permissions to rwx-rwx-000 (770)
```

```
[acadgild.mmisra ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/07/03 14:23:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
```

```
# list the permission of the file
```

```
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/07/03 14:23:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
-rwxrwx---  1 acadgild supergroup          94 2018-07-03 14:19
/user/acadgild/hadoop/max-temp.txt
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
[acadgild.mmisra ~]$
```