**Practicing Hadoop File System (fs) Commands**
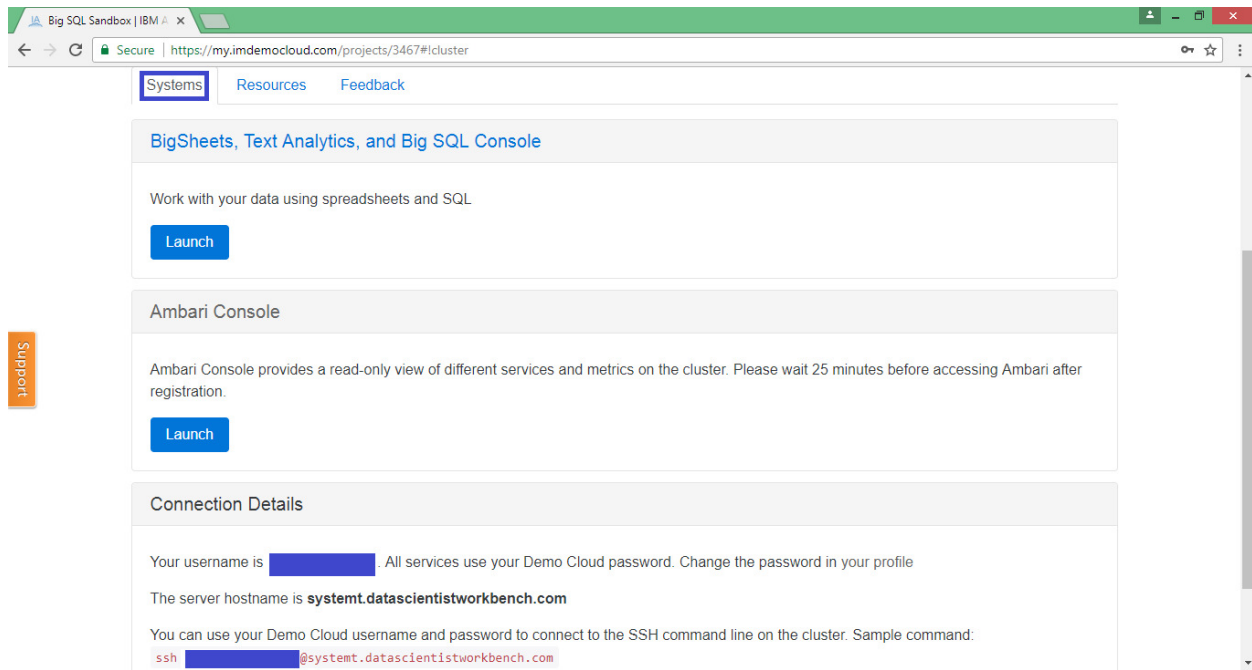
*I generally learn and remember better, if I practice.*

Putting together various Hadoop file system (fs) commands that I practiced in IBM Analytics Demo Cloud. If you want to sign up for IBM Analytics Demo Cloud, follow instructions in https://my.imdemocloud.com. Signing up was free when I start writing this article.

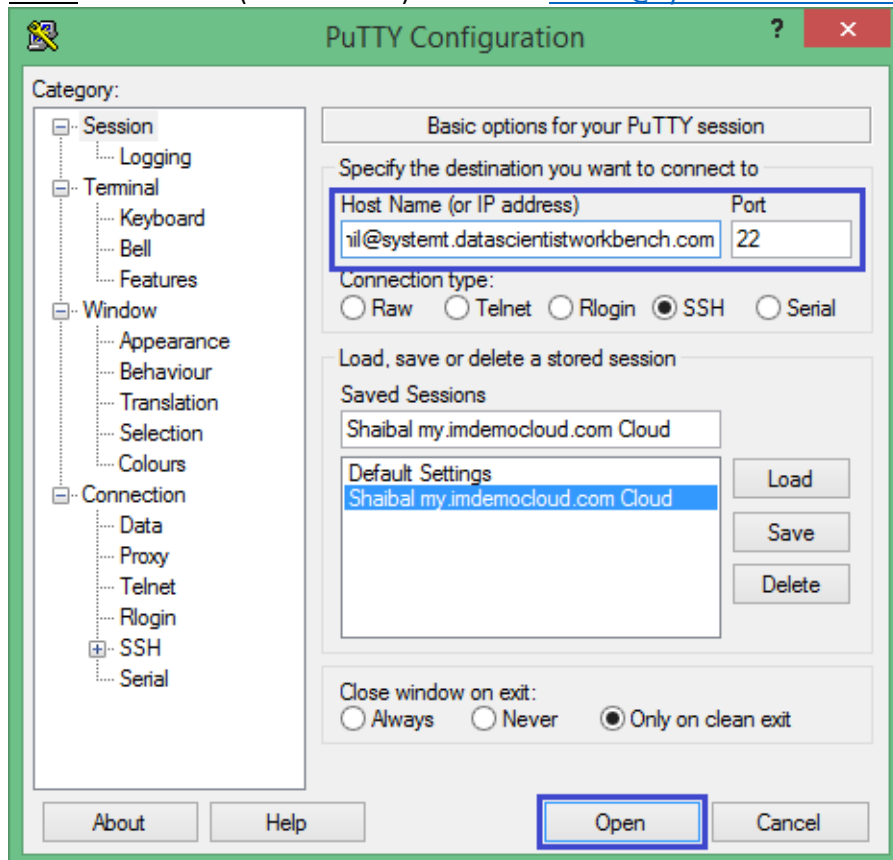Adding few screenshots that will help to check the username needed to connect to IBM Analytics Demo Cloud.

I access my IBM Analytics Demo Cloud account from my windows 64-bit machine via PuTTY. In case you need PuTTY follow this URL: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

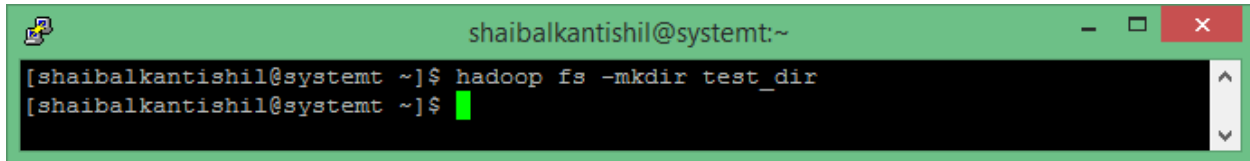**NOTE**: 'Host Name (or IP address)' looks like: UserID@systemt.datascientistworkbench.com

List of Hadoop File System (fs) commands along with description can be found at:
https://hadoop.apache.org/docs/current/hadoop-project-dist/hadoop-common/FileSystemShell.html

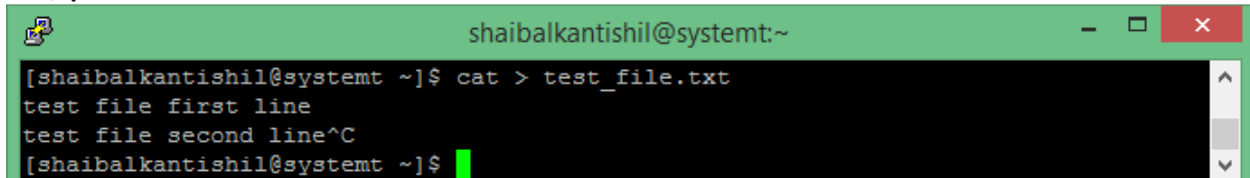I am adding screenshot after executing the commands.

**mkdir**

```
[shaibalkantishil@systemt ~]$ hadoop fs -mkdir test_dir
[shaibalkantishil@systemt ~]$
```
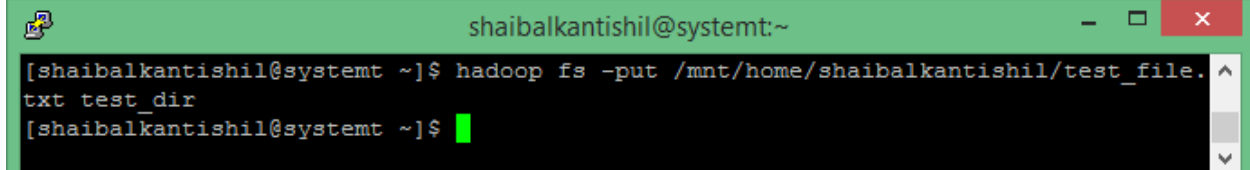
**cat / put**

```
[shaibalkantishil@systemt ~]$ cat > test_file.txt
test file first line
test file second line^C
[shaibalkantishil@systemt ~]$
```

```
[shaibalkantishil@systemt ~]$ hadoop fs -put /mnt/home/shaibalkantishil/test_file.
txt test_dir
[shaibalkantishil@systemt ~]$
```
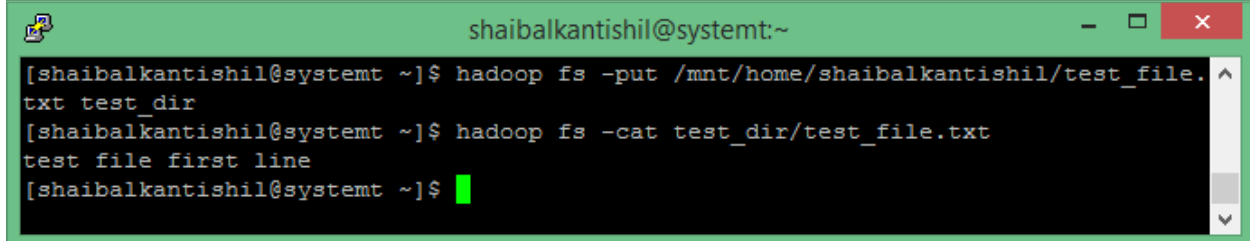
```
[shaibalkantishil@systemt ~]$ hadoop fs -put /mnt/home/shaibalkantishil/test_file.
txt test_dir
[shaibalkantishil@systemt ~]$ hadoop fs -cat test_dir/test_file.txt
test file first line
[shaibalkantishil@systemt ~]$
```

**ls / lsr**

```
[shaibalkantishil@systemt ~]$ hadoop fs -ls
Found 1 items
drwxrwx---+   - shaibalkantishil shaibalkantishil          0 2018-02-14 09:35 test_
dir
[shaibalkantishil@systemt ~]$
```

```
[shaibalkantishil@systemt ~]$ hadoop fs -ls -R
drwxrwx---+   - shaibalkantishil shaibalkantishil          0 2018-02-14 09:35 test_
dir
-rw-rw----+   3 shaibalkantishil shaibalkantishil         21 2018-02-14 09:35 test_
dir/test_file.txt
[shaibalkantishil@systemt ~]$
```

```
shaibalkantishil@systemt:~

[shaibalkantishil@systemt ~]$ hadoop fs -lsr
lsr: DEPRECATED: Please use 'ls -R' instead.
drwxrwx---+  - shaibalkantishil shaibalkantishil          0 2018-02-14 09:35 test_
dir
-rw-rw----+  3 shaibalkantishil shaibalkantishil         21 2018-02-14 09:35 test_
dir/test_file.txt
[shaibalkantishil@systemt ~]$
```
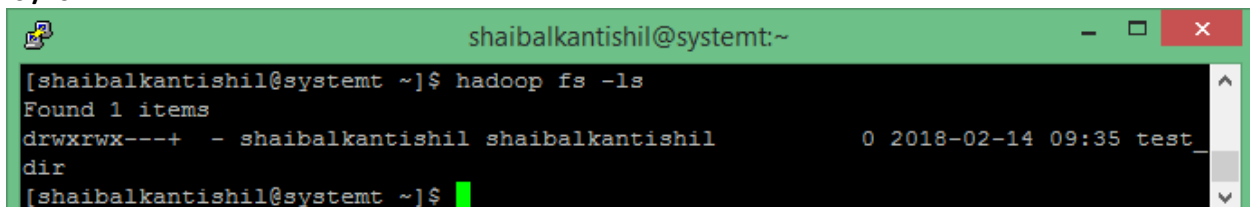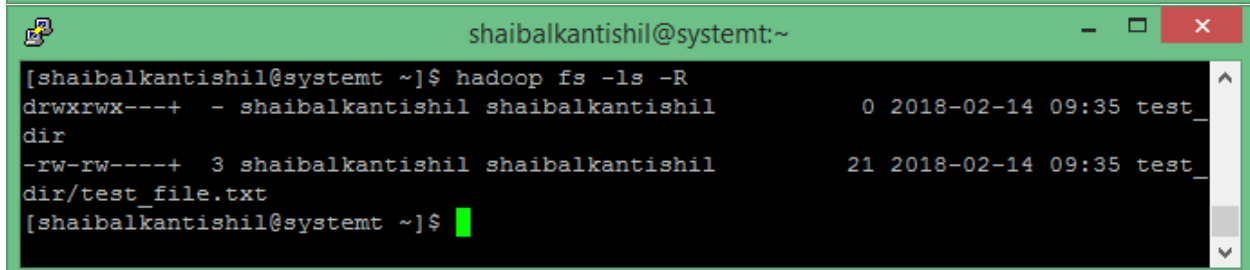
**du / dus**

```
shaibalkantishil@systemt:~

[shaibalkantishil@systemt ~]$ hadoop fs -du test_dir/test_file.txt
21  test_dir/test_file.txt
[shaibalkantishil@systemt ~]$ hadoop fs -dus test_dir/test_file.txt
dus: DEPRECATED: Please use 'du -s' instead.
21  test_dir/test_file.txt
[shaibalkantishil@systemt ~]$ hadoop fs -du -s test_dir/test_file.txt
21  test_dir/test_file.txt
[shaibalkantishil@systemt ~]$
```

**cp**

```
shaibalkantishil@systemt:~

[shaibalkantishil@systemt ~]$ hadoop fs -cp test_dir/test_file.txt test_dir/test
_copied_file.txt
18/02/23 15:06:18 WARN hdfs.DFSClient: DFSInputStream has been closed already
[shaibalkantishil@systemt ~]$
```
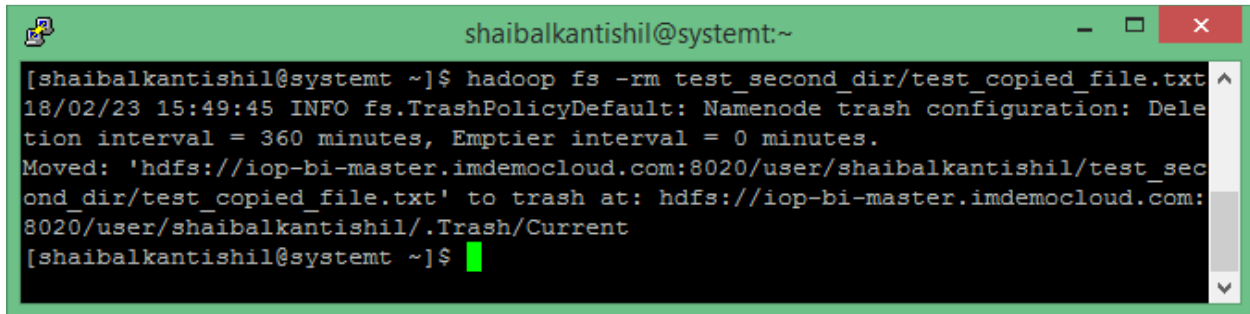
**mv**

```
shaibalkantishil@systemt:~

[shaibalkantishil@systemt ~]$ hadoop fs -mkdir test_second_dir
```
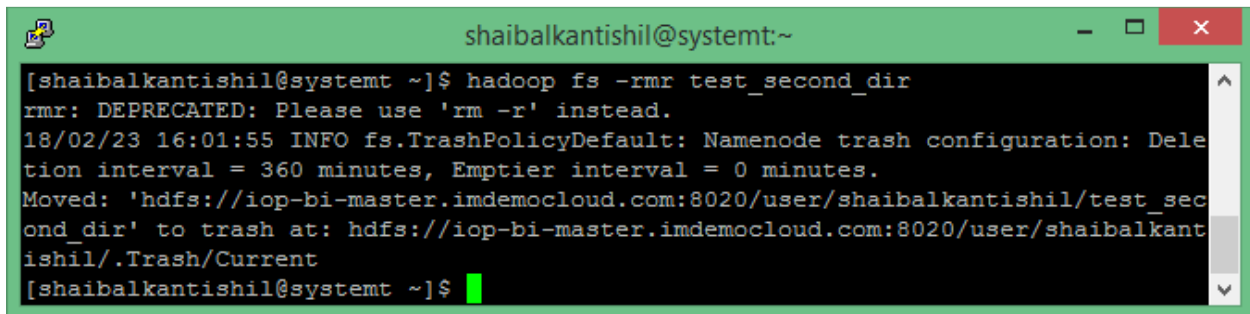
```
shaibalkantishil@systemt:~

[shaibalkantishil@systemt ~]$ hadoop fs -mv test_dir/test_copied_file.txt test_s
econd_dir
[shaibalkantishil@systemt ~]$
```

**rm**

```
[shaibalkantishil@systemt ~]$ hadoop fs -rm test_second_dir/test_copied_file.txt
18/02/23 15:49:45 INFO fs.TrashPolicyDefault: Namenode trash configuration: Dele
tion interval = 360 minutes, Emptier interval = 0 minutes.
Moved: 'hdfs://iop-bi-master.imdemocloud.com:8020/user/shaibalkantishil/test_sec
ond_dir/test_copied_file.txt' to trash at: hdfs://iop-bi-master.imdemocloud.com:
8020/user/shaibalkantishil/.Trash/Current
[shaibalkantishil@systemt ~]$
```

**rmr**

```
[shaibalkantishil@systemt ~]$ hadoop fs -rmr test_second_dir
rmr: DEPRECATED: Please use 'rm -r' instead.
18/02/23 16:01:55 INFO fs.TrashPolicyDefault: Namenode trash configuration: Dele
tion interval = 360 minutes, Emptier interval = 0 minutes.
Moved: 'hdfs://iop-bi-master.imdemocloud.com:8020/user/shaibalkantishil/test_sec
ond_dir' to trash at: hdfs://iop-bi-master.imdemocloud.com:8020/user/shaibalkant
ishil/.Trash/Current
[shaibalkantishil@systemt ~]$
```