Lab 2: HDFS

by Ruijie Rao

HDFS Commands Examples

Command: mkdir

Example: bin/hdfs dfs -mkdir /user/ec2-user/input

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -mkdir /user/ec2-user/input
```

Command: ls

Example: bin/hdfs dfs -ls /user/ec2-user/

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -ls /user/ec2-user/
Found 1 items
drwxr-xr-x   - ec2-user supergroup          0 2022-02-08 23:19 /user/ec2-user/i
nput
```

Command: rmdir

Example: bin/hdfs dfs -rmdir /user/ec2-user/input

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -rmdir /user/ec2-user/input
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -ls /user/ec2-user/
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$
```

Command: put

Example: bin/hdfs dfs -put sftp://ec2-user@ec2-54-67-106-32.us-west-1 .compute.amazonaws.com/home/ec2-user/dsci551/hello.txt /user/ec2-user/input

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -put sftp://ec2-user@ec2-54-67-106-32.us-west-1
.compute.amazonaws.com/home/ec2-user/dsci551/hello.txt /user/ec2-user/input
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -ls /user/ec2-user/input
Found 1 items
-rw-r--r--   1 ec2-user supergroup         12 2022-02-08 23:37 /user/ec2-user/input/hello.txt
```

Command: get

Example: bin/hdfs dfs -get /user/ec2-user/input/hello.txt sftp://ec2- user@ec2-54-67-106-32.us-west-1.compute.amazonaws.com/home/ec2-user/dsci551/hw1

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -get /user/ec2-user/input/hello.txt sftp://ec2-
user@ec2-54-67-106-32.us-west-1.compute.amazonaws.com/home/ec2-user/dsci551/hw1
```

```
[ec2-user@ip-172-31-9-191 hw1]$ ls
hello.txt              Ruijie_Rao_load.py      WA_Fn-UseC_-Telco-Customer-Churn.csv
Ruijie_Rao_churn.py  Ruijie_Rao_tenure.py
```

Command: cp

Example: bin/hdfs dfs -cp /user/ec2-user/input /user/ec2-user/output

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -cp /user/ec2-user/input /user/ec2-user/output
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -ls /user/ec2-user/
Found 2 items
drwxr-xr-x   - ec2-user supergroup          0 2022-02-08 23:37 /user/ec2-user/input
drwxr-xr-x   - ec2-user supergroup          0 2022-02-08 23:48 /user/ec2-user/output
```

Command: cat

Example: bin/hdfs dfs -cat /user/ec2-user/input/hello.txt

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -cat /user/ec2-user/input/hello.txt
hello world
```

Command: rm

Example: bin/hdfs dfs -rm /user/ec2-user/input/hello.txt

```
[ec2-user@ip-172-31-9-191 hadoop-3.3.1]$ bin/hdfs dfs -rm /user/ec2-user/input/hello.txt
Deleted /user/ec2-user/input/hello.txt
```