

LAB 6

HDFS COMMANDS

NAME:Niharika B S

USN :1BM19CS100

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Activities Terminal Jun 1 15:22
hduser@bmsce-Precision-T1700: ~
hduser@bmsce-Precision-T1700:~$ sudo su hduser
[sudo] password for hduser:
hduser@bmsce-Precision-T1700:~$ start-all.sh
This script is deprecated. Instead use start-dfs.sh and start-yarn.sh
Starting namenodes on [localhost]
hduser@localhost:~$ ssh localhost
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-hduser-namenode-bmsce-Precision-T1700.out
hduser@localhost:~$ ssh localhost
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-hduser-datanode-bmsce-Precision-T1700.out
Starting secondary namenodes [0.0.0.0]
hduser@0.0.0.0:~$ ssh localhost
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-hduser-secondarynamenode-bmsce-Precision-T1700.out
Starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-hduser-resourcemanager-bmsce-Precision-T1700.out
hduser@localhost:~$ ssh localhost
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-hduser-nodemanager-bmsce-Precision-T1700.out
hduser@bmsce-Precision-T1700:~$ jps
7088 NodeManager
5393 DataNode
6018 SecondaryNameNode
6389 ResourceManager
8663 Jps
4619 NameNode
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mkdir /nay
hduser@bmsce-Precision-T1700:~$ cat>file.txt
hello how are you
^Z
[1]+  Stopped                  cat > file.txt
hduser@bmsce-Precision-T1700:~$ cat file.txt
hello how are you
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls
ls: -: No such file or directory
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /
Found 2 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 09:55 /cs194
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:41 /nay
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
hduser@bmsce-Precision-T1700:~$ cat>file2.txt
hello
^C
hduser@bmsce-Precision-T1700:~$ cat file2.txt
hello
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mkdir /nay/f1.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mkdir /nay/f2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 2 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -put file.txt /nay/
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 3 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
-rw-r--r-- 1 hduser supergroup 10 2022-06-01 14:50 /nay/file.txt
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Activities Terminal Jun 1 15:22 hduser@bmsce-Precision-T1700: ~
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mkdir /nay/f2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 2 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -put file.txt /nay/
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 3 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
-rw-r--r-- 1 hduser supergroup 18 2022-06-01 14:50 /nay/file.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -copyFromLocal file2.txt /nay/
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 4 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
-rw-r--r-- 1 hduser supergroup 18 2022-06-01 14:50 /nay/file.txt
-rw-r--r-- 1 hduser supergroup 6 2022-06-01 14:56 /nay/file2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -get /nay/f1.txt /home/hduser/Desktop/new_f1.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /
Found 2 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 09:55 /cs184
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:56 /nay
hduser@bmsce-Precision-T1700:~$ ls /home/hduser/Desktop/
new_f1.txt Ubuntu-Software-Installation-Files-31-07-2019 xyz.txt
hduser@bmsce-Precision-T1700:~$ ls /home/hduser/Desktop
new_f1.txt Ubuntu-Software-Installation-Files-31-07-2019 xyz.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -get /nay/f1.txt /home/hduser/Downloads/new1.txt
hduser@bmsce-Precision-T1700:~$ ls /home/hduser/Downloads/
libpng12-0_1.2.50-2+deb8u1_amd64.deb
libpng12-0_1.2.50-2+deb8u1_amd64.deb
libpng12-0_1.2.54-1ubuntu1.2_amd64.deb
libpng12-0_1.2.54-1ubuntu1.2_amd64.deb
libpng12-0_1.2.50-2+deb8u1_amd64.deb
new1.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -copyToLocal /nay/f2.txt /home/hduser/Downloads/new2.txt
hduser@bmsce-Precision-T1700:~$ ls /home/hduser/Downloads/
libpng12-0_1.2.50-2+deb8u1_amd64.deb
libpng12-0_1.2.54-1ubuntu1.2_amd64.deb
libpng12-0_1.2.54-1ubuntu1.2_amd64.deb
libpng12-0_1.2.50-2+deb8u1_amd64.deb
new1.txt
new2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -cat /nay/file1.txt
cat: '/nay/file1.txt': No such file or directory
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /nay
Found 4 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /nay/f2.txt
-rw-r--r-- 1 hduser supergroup 18 2022-06-01 14:50 /nay/file.txt
-rw-r--r-- 1 hduser supergroup 6 2022-06-01 14:56 /nay/file2.txt
hduser@bmsce-Precision-T1700:~$ hdfs dfs -cat /nay/file.txt
hello how are you
hduser@bmsce-Precision-T1700:~$ hdfs dfs -mv /nay /yay
hduser@bmsce-Precision-T1700:~$ hdfs dfs -ls /yay
Found 4 items
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /yay/f1.txt
drwxr-xr-x - hduser supergroup 0 2022-06-01 14:49 /yay/f2.txt
-rw-r--r-- 1 hduser supergroup 18 2022-06-01 14:50 /yay/file.txt
-rw-r--r-- 1 hduser supergroup 6 2022-06-01 14:56 /yay/file2.txt
hduser@bmsce-Precision-T1700:~$
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