

## LAB-5

Name: Kusum M R

USN: 1BM19CS077

### Hadoop Commands

```
Activities Terminal Jun 6 15:04
hduser@bmsce-OptiPlex-3060: ~/Desktop
hduser@bmsce-OptiPlex-3060:~$ sudo su hduser
[sudo] password for hduser:
hduser@bmsce-OptiPlex-3060:~$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
22/06/06 14:43:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: namenode running as process 3396. Stop it first.
localhost: datanode running as process 3564. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3773. Stop it first.
22/06/06 14:43:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
starting yarn daemons
resourcemanager running as process 3932. Stop it first.
localhost: nodemanager running as process 4255. Stop it first.
hduser@bmsce-OptiPlex-3060:~$ jps
6003 Jps
3396 NameNode
3564 DataNode
3932 ResourceManager
3773 SecondaryNameNode
4255 NodeManager
```

#### 1. mkdir

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -mkdir /Kusum
```

#### 2. ls

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -ls /
22/06/06 14:45:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 19 items
drwxr-xr-x - hduser supergroup 0 2022-06-06 11:44 /AAA
drwxr-xr-x - hduser supergroup 0 2022-06-03 12:17 /Army
drwxr-xr-x - hduser supergroup 0 2022-06-06 11:40 /Avnil
drwxr-xr-x - hduser supergroup 0 2022-05-31 10:44 /BBB
drwxr-xr-x - hduser supergroup 0 2022-06-01 15:03 /Cath
drwxr-xr-x - hduser supergroup 0 2022-06-04 10:06 /FFF
drwxr-xr-x - hduser supergroup 0 2022-06-06 14:40 /KmrV
drwxr-xr-x - hduser supergroup 0 2022-06-06 14:44 /Kusum
drwxr-xr-x - hduser supergroup 0 2022-06-01 15:03 /Neha
drwxr-xr-x - hduser supergroup 0 2022-06-04 09:54 /WC.txt
drwxr-xr-x - hduser supergroup 0 2022-06-04 09:54 /Welcone.txt
drwxr-xr-x - hduser supergroup 0 2022-06-06 11:36 /abc
drwxr-xr-x - hduser supergroup 0 2022-06-03 12:13 /akash
drwxr-xr-x - hduser supergroup 0 2022-06-03 15:12 /darshan
drwxr-xr-x - hduser supergroup 0 2022-06-04 09:31 /ghh
drwxr-xr-x - hduser supergroup 0 2022-06-06 11:45 /hello
drwxr-xr-x - hduser supergroup 0 2022-06-04 09:35 /rahul
drwxr-xr-x - hduser supergroup 0 2022-06-03 12:11 /shre
drwxr-xr-x - hduser supergroup 0 2022-06-03 12:41 /shreshtha
```

### 3. put

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -put /home/hduser/Desktop/ob.txt /Kusun/WC.txt
22/06/06 14:46:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -cat /Kusun/WC.txt
22/06/06 14:47:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hello from 0B
D
B
B
```

### 4. copyFromLocal

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -put /home/hduser/Desktop/ob.txt /Kusun/newWC.txt
22/06/06 14:50:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -cat /Kusun/newWC.txt
22/06/06 14:50:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hello from 0B
D
B
B
```

### 5. Get

i)

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -get /Kusun/WC.txt /home/hduser/Downloads/newWC.txt
22/06/06 14:51:43 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~$ cd Downloads
hduser@bmsce-OptiPlex-3060:~/Downloads$ cat newWC.txt
hello from 0B
D
B
B
```

ii)

```
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -ls /Kusun/
22/06/06 14:54:04 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 hduser supergroup 23 2022-06-06 14:46 /Kusun/WC.txt
-rw-r--r-- 1 hduser supergroup 23 2022-06-06 14:50 /Kusun/newWC.txt
hduser@bmsce-OptiPlex-3060:~$ hdfs dfs -getmerge /Kusun/WC.txt /Kusun/newWC.txt /home/hduser/Desktop/newmerge.txt
22/06/06 14:55:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~$ cd Desktop
hduser@bmsce-OptiPlex-3060:~/Desktop$ cat newmerge.txt
hello from 0B
D
B
B
hello from 0B
D
B
B
```

iii)

```
hduser@bmsce-OptiPlex-3060:~/Desktop$ hadoop fs -getfacl /Kusun/
22/06/06 14:56:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
# file: /Kusun
# owner: hduser
# group: supergroup
user::rwx
group::r-x
other::r-x
```

## 6. copyToLocal

```
hduser@bmsce-OptiPlex-3060:~/Desktop$ hdfs dfs -copyToLocal /Kusun/MC.txt /home/hduser/Desktop
22/06/06 14:58:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~/Desktop$ cat MC.txt
hello from GB

D
B

B
```

## 7. cat

```
hduser@bmsce-OptiPlex-3060:~/Desktop$ hdfs dfs -cat /Kusun/MC.txt
22/06/06 14:58:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hello from GB

D
B

B
```

## 8. Mv

```
hduser@bmsce-OptiPlex-3060:~/Desktop$ hadoop fs -mv /Kusun /FFF
22/06/06 14:59:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~/Desktop$ hadoop fs -ls /FFF
22/06/06 15:00:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
drwxr-xr-x  - hduser supergroup      0 2022-06-06 14:50 /FFF/Kusun
-rw-r--r--  1 hduser supergroup     17 2022-06-04 10:06 /FFF/MC.txt
```

## 9. cp

```
hduser@bmsce-OptiPlex-3060:~/Desktop$ hadoop fs -cp /FFF/ /LLL
22/06/06 15:09:34 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hduser@bmsce-OptiPlex-3060:~/Desktop$ hadoop fs -ls /LLL
22/06/06 15:10:07 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
drwxr-xr-x  - hduser supergroup      0 2022-06-06 15:09 /LLL/Kusun
-rw-r--r--  1 hduser supergroup     17 2022-06-06 15:09 /LLL/MC.txt
hduser@bmsce-OptiPlex-3060:~/Desktop$
```