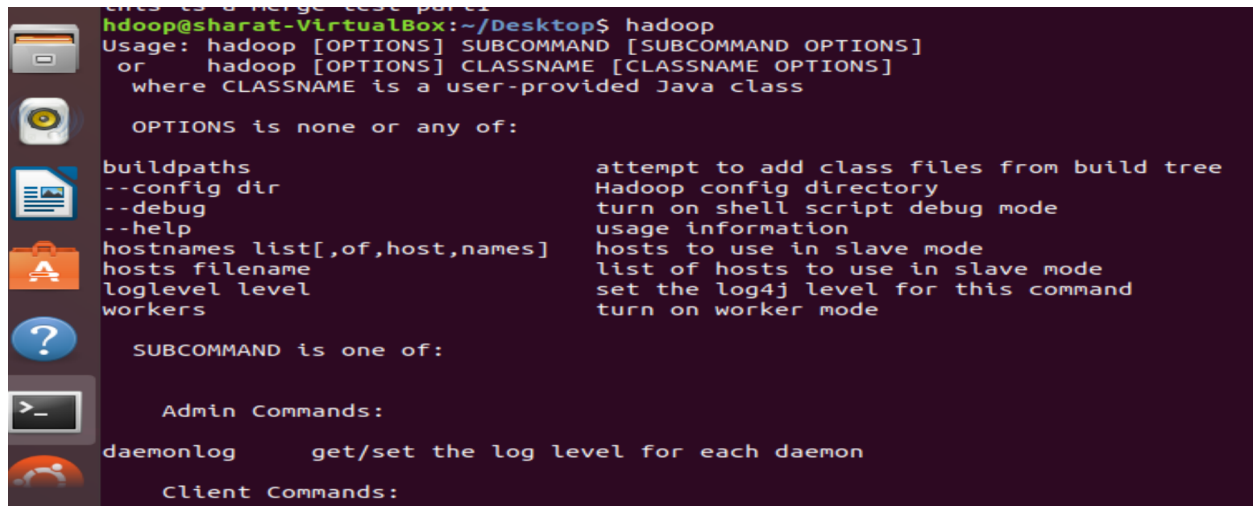


## HADOOP WEEK5 LAB ASSIGNMENT

USN: 1BM19CS074

NAME: KIZHAKEL SHARAT PRASAD

### 1. Successful installation proof



```
hadoop@sharat-VirtualBox:~/Desktop$ hadoop
Usage: hadoop [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]
or hadoop [OPTIONS] CLASSNAME [CLASSNAME OPTIONS]
where CLASSNAME is a user-provided Java class

OPTIONS is none or any of:

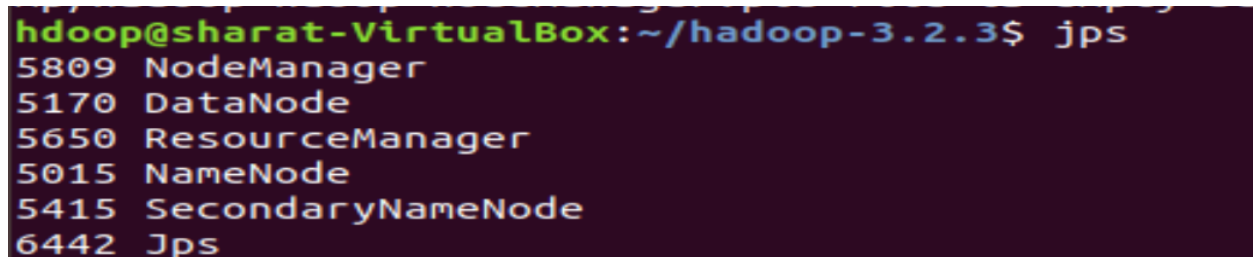
buildpaths          attempt to add class files from build tree
--config dir        Hadoop config directory
--debug            turn on shell script debug mode
--help            usage information
hostnames list[,of,host,names] hosts to use in slave mode
hosts filename      list of hosts to use in slave mode
loglevel level      set the log4j level for this command
workers            turn on worker mode

SUBCOMMAND is one of:

Admin Commands:

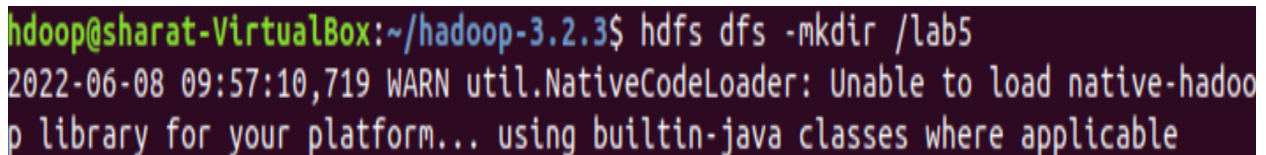
daemonlog          get/set the log level for each daemon

Client Commands:
```



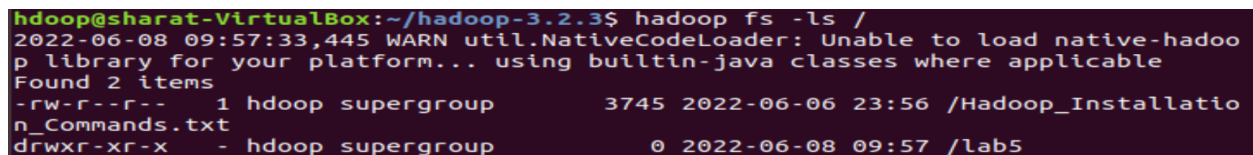
```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ jps
5809 NodeManager
5170 DataNode
5650 ResourceManager
5015 NameNode
5415 SecondaryNameNode
6442 Jps
```

### 2. Mkdir



```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -mkdir /lab5
2022-06-08 09:57:10,719 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
```

### 3. Ls



```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hadoop fs -ls /
2022-06-08 09:57:33,445 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 hadoop supergroup 3745 2022-06-06 23:56 /Hadoop_Installatio
n_Commands.txt
drwxr-xr-x - hadoop supergroup 0 2022-06-08 09:57 /lab5
```

#### 4. put

```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -put /home/hadoop/Desktop/a.txt /lab5
2022-06-08 10:02:57,394 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hadoop fs -ls /
2022-06-08 10:03:08,676 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 hadoop supergroup 3745 2022-06-06 23:56 /Hadoop_Installatio
n_Commands.txt
drwxr-xr-x - hadoop supergroup 0 2022-06-08 10:02 /lab5
```

#### 5. copyFromLocal

```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -copyFromLocal /home/hadoop/Des
ktop/b.txt /home/hadoop/Desktop/c.txt /lab5
2022-06-08 10:07:13,375 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -cat /lab52022-06-08 10:07:36,
122 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your p
latform... using builtin-java classes where applicable
cat: `/lab5': Is a directory
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -ls /lab5
2022-06-08 10:08:26,214 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
Found 3 items
-rw-r--r-- 1 hadoop supergroup 15 2022-06-08 10:02 /lab5/a.txt
-rw-r--r-- 1 hadoop supergroup 0 2022-06-08 10:07 /lab5/b.txt
-rw-r--r-- 1 hadoop supergroup 0 2022-06-08 10:07 /lab5/c.txt
```

#### 6. Get

##### I.get

```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -get /lab5/a.txt /home/hadoop/D
esktop/test.txt
2022-06-08 10:10:29,649 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -ls /home/hadoop/Desktop
2022-06-08 10:11:08,053 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
ls: `/home/hadoop/Desktop': No such file or directory
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ ls /home/hadoop/Desktop
a.txt b.txt c.txt test.txt
```

##### Ii.getmerge

```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -getmerge /lab5/b.txt /lab5/c.
txt /home/hadoop/Desktop/merge.txt
2022-06-08 10:15:24,732 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ ls /home/hadoop/Desktop
a.txt b.txt c.txt merge.txt test.txt
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ cat /home/hadoop/Desktop/merge.txt
```

##### iii. getfacl

```
hadoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -getfacl /lab5
2022-06-08 10:17:26,801 WARN util.NativeCodeLoader: Unable to load native-hadoop
p library for your platform... using builtin-java classes where applicable
# file: /lab5
# owner: hadoop
# group: supergroup
user::rwx
group::r-x
other::r-x
```

#### 7. copyToLocal

```
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -copyToLocal /lab5/a.txt /home/hdoop/Documents
2022-06-08 10:19:08,660 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ ls /home/hdoop/Documents
a.txt
```

8.cat

```
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ hdfs dfs -cat /lab5/a.txt
2022-06-08 10:19:48,077 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
this is a test
```

9.mv

```
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ hadoop fs -mv /lab5/a.txt /lab5_part2
2022-06-08 10:22:18,644 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

10.cp

```
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ hadoop fs -cp /lab5/b.txt /lab5_part2
2022-06-08 10:23:16,644 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
hdoop@sharat-VirtualBox:~/hadoop-3.2.3$ hadoop fs -ls /lab5_part2
2022-06-08 10:23:21,944 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 hdoop supergroup 15 2022-06-08 10:02 /lab5_part2/a.txt
-rw-r--r-- 1 hdoop supergroup 0 2022-06-08 10:23 /lab5_part2/b.txt
```