

# HDFS Commands

This document will help you understand the Hadoop commands, using which you can perform different operations on hdfs.

eg: **hadoop** fsck - /

Similarly you will be using all the commands that are listed below.

## hadoop

→ **fsck - /**

run a DFS filesystem checking utility

```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fsck - /
```

→ **balancer**

run a cluster balancing utility

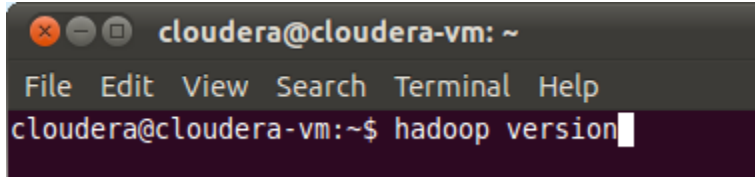
```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop balancer
```

## edureka!

---

→ **version**

print the Hadoop version

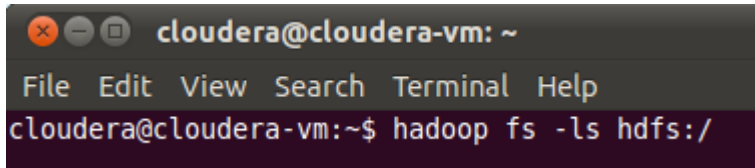


```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop version
```

## hadoop fs

→ **-ls hdfs:/**

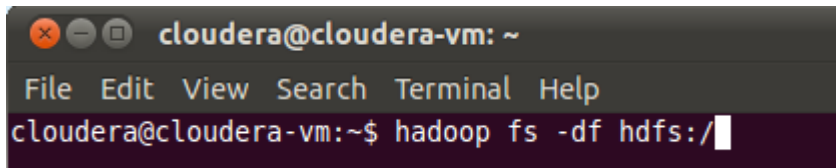
listing of hdfs



```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -ls hdfs:/
```

→ **-df hdfs:/**

reports the amount of space used  
and available on currently mounted  
filesystems

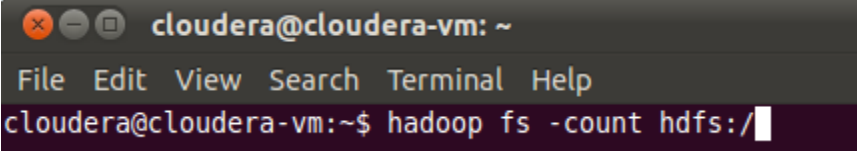


```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -df hdfs:/
```



## **-count hdfs:/**

Count the number of directories, files and bytes under the paths that match the specified file pattern

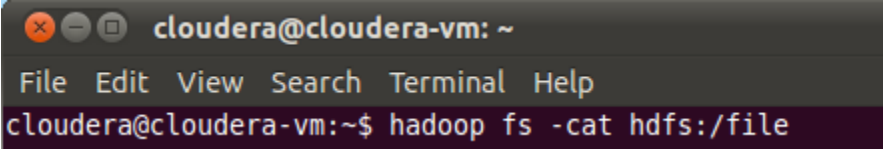


```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -count hdfs:/
```



## **-cat <src>**

viewing file in HDFS.

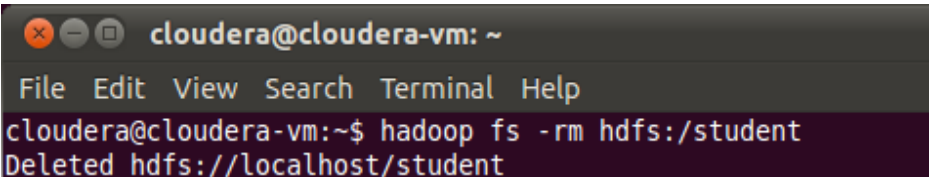


```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -cat hdfs:/file
```



## **-rm <path>**

deleting a file from hdfs



```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -rm hdfs:/student  
Deleted hdfs://localhost/student
```



## **-put <localsrc> ... <dst>**

putting the file from Local to HDFS

```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop dfs -put /home/cloudera/file1 hdfs:/
```

→ **-copyFromLocal <localsrc> ... <dst>**  
copying the file from Local to HDFS


```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop dfs -copyFromLocal /home/cloudera/file2 hdfs:/
```

→ **-mv <src> <dst>**  
moving a file from location to other

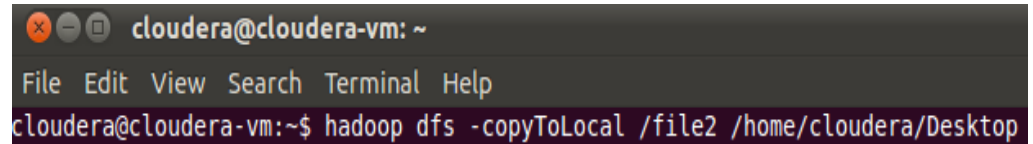
```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -mv hdfs:/file hdfs:/dest_dir
```

→ **-cp <src> <dst>**  
copying a file from source to destination

```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop fs -cp hdfs:/file hdfs:/dest_dir
```



**copyToLocal [-ignoreCrc] [-crc] <src>**  
copying the file from HDFS  
to Local



```
cloudera@cloudera-vm: ~  
File Edit View Search Terminal Help  
cloudera@cloudera-vm:~$ hadoop dfs -copyToLocal /file2 /home/cloudera/Desktop
```