**Hadoop Shell Commands to Manage HDFS**

## **fsck**

HDFS Command to check the health of the Hadoop file system.

***Command:*** **hdfs fsck /**

## **ls**

HDFS Command to display the list of Files and Directories in HDFS.

**Command:** **hdfs dfs** **–ls /**

## **mkdir**

HDFS Command to create the directory in HDFS.

***Usage:*** **hdfs dfs –mkdir /directory\_name**

## **touchz**

HDFS Command to create a file in HDFS with file size 0 bytes.

***Usage:*** **hdfs dfs –touchz /directory/filename**

## **du**

HDFS Command to check the file size.

***Usage:*** **hdfs dfs –du –s /directory/filename**

## **cat**

HDFS Command that reads a file on HDFS and prints the content of that file to the standard output.

***Usage:*hdfs dfs –cat /path/to/file\_in\_hdfs**

## **text**

HDFS Command that takes a source file and outputs the file in text format.

***Usage:*** **hdfs dfs –text /directory/filename**

## **copyFromLocal**

HDFS Command to copy the file from a Local file system to HDFS.

***Usage:*** **hdfs dfs -copyFromLocal <localsrc> <hdfs destination>**

## **copyToLocal**

HDFS Command to copy the file from HDFS to Local File System.

***Usage:*** **hdfs dfs -copyToLocal <hdfs source> <localdst>**

## **put**

HDFS Command to copy single source or multiple sources from local file system to the destination file system.

***Usage:*hdfs dfs -put <localsrc> <destination>**

## **get**

HDFS Command to copy files from hdfs to the local file system.

***Usage:*** **hdfs dfs -get <src> <localdst>**

## **count**

HDFS Command to count the number of directories, files, and bytes under the paths that match the specified file pattern.

***Usage:*hdfs dfs -count <path>**

## **rm**

HDFS Command to remove the file from HDFS.

***Usage:*** **hdfs dfs –rm <path>**

## **rm -r**

HDFS Command to remove the entire directory and all of its content from HDFS.

***Usage:*hdfs dfs -rm -r <path>**

## **cp**

HDFS Command to copy files from source to destination. This command allows multiple sources as well, in which case the destination must be a directory.

***Usage:*** **hdfs dfs -cp <src> <dest>**

***Command:*** **hdfs dfs -cp /user/hadoop/file1 /user/hadoop/file2**

## **mv**

HDFS Command to move files from source to destination. This command allows multiple sources as well, in which case the destination needs to be a directory.

***Usage:***  **hdfs dfs -mv <src> <dest>**

***Command:*** **hdfs dfs -mv /user/hadoop/file1 /user/hadoop/file2**

## **expunge**

HDFS Command that makes the trash empty.

**Command:** **hdfs dfs -expunge**

## **rmdir**

HDFS Command to remove the directory.

***Usage:*** **hdfs dfs -rmdir <path>**

***Command:*** **hdfs dfs –rmdir /user/Hadoop**

## **usage**

HDFS Command that returns the help for an individual command.

***Usage:*** **hdfs dfs -usage <command>**

***Command:*** **hdfs dfs -usage mkdir**

## **help**

HDFS Command that displays help for given command or all commands if none is specified.

***Command:*** **hdfs dfs -help**

**Link for more commands:** <https://images.linoxide.com/hadoop-hdfs-commands-cheatsheet.pdf>