**Hadoop Basic Commands**

1. **Version**

Hadoop version

1. **Mkdir**

Hadoop fs -mkdir /path/directory \_name

Hadoop fs -mkdir /NewDataFolder

1. **Ls**

Hadoop fs -ls /path

1. **put**

Hadoop fs -put <localsrc> <dest>

Hadoop fs -put ~/Localfile /FileFromLocal

1. **copyFromLocal**

Hadoop fs -copyFromLocal <localsrc> <hdfs dest>

Hadoop fs -copyFromLocal ~/test1 /newDataFile/copytest

Hadoop fs -cat /newDataFile/copytest

1. **get**

Hadoop fs -get <src> <localdest>

Hadoop fs -get /testFile ~/copyFromHadoop

1. **copyToLocal**

Hadoop fs -copyToLocal <hdfs src> <localhost>

Hadoop fs -copyToLocal /newDataFile/sample ~/copySample

1. **mv**

Hadoop fs -mv <src> <dest>

Hadoop fs -mv /DR1 /DataFolder

Hadoop fs -ls /

1. **cp (copying file into HDFS)**

Hadoop fs -cp <src> <dest>

Hadoop fs -cp /newDataFolder/File1 /DataFolder

1. **moveFromLocal**

Hadoop fs -moveFromLocal <localSrc> <destSrc>

Hadoop fs -moveFromLocal ~/test1 /DataFolder

1. **moveToLocal**

Hadoop fs -moveToLocal <src> <Localdest>

Hadoop fs -moveToLocal /File1 ~/LocalFolder

1. **tail (to display 1kb of the file)**

Hadoop fs -tail /DataFolder/test

1. **rm (remove the file from specified path)**

Hadoop fs -rm <path>

Hadoop fs -rm /DataFolder/

1. **chown**

Hadoop fs -chown [-R] [owner] [ :[group]] <path>

Hadoop fs -chown newDataFolder/sample

-R option recursively changes files permissions

1. **chgrp**

Hadoop fs -chgrp <group> <path>

Hadoop fs -chgrp newgroup /sample.zip

1. **setrep (change the replication of file specified)**

Hadoop fs -setrep <rep> <path>

Hadoop fs -setrep 2 /newDataFolder/sample

1. **du(to check size of file)**

Hadoop fs -du -s /directory/filename

Hadoop fs -du -s /newDataFolder/file1

1. **df(shows the capacity, size and free space available on the HDFS file system**

Hadoop fs -df

1. **fsck (to check the health of the file)**

Hadoop fs fsck <path> [-move | -delete | -openfprwrite] [ -files [-blocks [-locations]]]

Hadoop fs -fsck /dataFolder/ -files

1. **expunge(make the trash empty)**

Hadoop fs -expunge

1. **touchz(create a file in hdfs with size 0 byte.)**

Hadoop fs -touchz /directory/filename

Hadoop fs -touchz /newFileDirectory/file1

1. **test (to test file operations, gives1 if path exists, gives0 if length zero or path is a=for directory.**

Hadoop fs -test -[defsz] <path>

1. **text(this command take sourcefile and output the file in the text format. It detects the encoding of the file and decodes it to plain text.**

Hadoop fs -text <src>

Hadoop fs -text /sample

1. **stat(prints the statistics about the file or directory in the specified format**

Hadoop fs -stat [format] <path>

Hadoop fs -stat %b /dataFolder/test #filesize in byte

Hadoop fs -stat %g /dataFolder/test #group name of owner

Hadoop fs -stat %n /dataFolder/test #file name

Hadoop fs -stat %o /dataFolder/test #block size

Hadoop fs -stat %r /dataFolder/test #replication

Hadoop fs -stat %u /dataFolder/test #user name of owner

Hadoop fs -stat %y /dataFolder/test #modification date

1. **usage(return the help for individual command)**

Hadoop fs -usage <command>

Hadoop fs -usage touchz

1. **getmerge(merges a list of files in a directory on the HDFS filesystem into a single local file on the local filesystem.**

Hadoop fs -getmerge <src> <localdest>

Hadoop fs -getmerge /newDataFolder ~/MergeFile