

## Hadoop command

### 1) mkdir

The mkdir command in Hadoop is used to create directories in the Hadoop Distributed File System.

Syntax:

```
hadoop fs -mkdir [options] <directory_path>
```

ex:

#### 1) Create a Single Directory:

```
hadoop fs -mkdir /user/myuser/mydirectory
```

#### 2) Create Multiple Directories:

```
hadoop fs -mkdir /user/myuser/dir1 /user/myuser/dir2
```

### 2) touchz

The touchz command in Hadoop is used to create an empty file in the Hadoop Distributed File System.

Syntax:

```
hadoop fs -touchz <file_path>
```

Create an Empty File:

```
hadoop fs -touchz /user/myuser/myfile.txt
```

Truncate an Existing File:

```
hadoop fs -touchz /user/myuser/existingfile.txt
```

### 3) copyFromLocal

The copyFromLocal command in Hadoop is used to upload files from the local filesystem to the Hadoop Distributed File System.

Syntax:

```
hadoop fs -copyFromLocal <local_source> <hdfs_destination>
```

Example Syntax:

Copy a Single File:

```
hadoop fs -copyFromLocal /local/path/to/myfile.txt /user/myuser/myfile.txt
```

Copy a Directory:

```
hadoop fs -copyFromLocal /local/path/to/mydir /user/myuser/mydir
```

copyToLocal:

The copyToLocal command in Hadoop is used to download files from the Hadoop Distributed File System to the local filesystem.

Syntax:

```
hadoop fs -copyToLocal <hdfs_source> <local_destination>
```

Example Syntax:

Copy a Single File:

```
hadoop fs -copyToLocal /user/myuser/myfile.txt /local/path/to/myfile.txt
```

Copy a Directory:

```
hadoop fs -copyToLocal /user/myuser/mydir /local/path/to/mydir
```

Copy with a Different Local File Name:

```
hadoop fs -copyToLocal /user/myuser/myfile.txt /local/path/to/newname.txt
```

cat

The cat command displays the contents of a file in HDFS to the standard output. It is similar to

Syntax:

```
hadoop fs -cat <hdfs_file_path>
```

Example Syntax:

Display File Contents:

```
hadoop fs -cat /user/myuser/myfile.txt
```

6) moveFromLocal

The moveFromLocal command is used to move files from the local filesystem to HDFS. Unlike

Syntax:

```
hadoop fs -moveFromLocal <local_source> <hdfs_destination>
```

Example Syntax:

Move a File from Local to HDFS:

```
hadoop fs -moveFromLocal /local/path/to/myfile.txt /user/myuser/myfile.txt
```

. cp

The cp command is used to copy files or directories within HDFS or between HDFS and the lo

Syntax:

```
hadoop fs -cp <source_path> <destination_path>
```

Example Syntax:

Copy a File within HDFS:

```
hadoop fs -cp /user/myuser/myfile.txt /user/myuser/myfile_copy.txt
```

```
hadoop fs -cp /user/myuser/myfile.txt /local/path/to/myfile.txt
```

mv

The mv command moves files or directories from one location to another within HDFS. It can

Syntax:

```
hadoop fs -mv <source_path> <destination_path>
```

Example Syntax:

Move a File within HDFS:

```
hadoop fs -mv /user/myuser/myfile.txt /user/myuser/myfile_moved.txt
```

Move a Directory within HDFS:

```
hadoop fs -mv /user/myuser/mydir /user/myuser/mydir_moved
```

. rmr

The rmr command (remove recursively) is used to delete files or directories in HDFS. It remov

Syntax:

```
hadoop fs -rmr <hdfs_path>
```

Example Syntax:

Remove a File:

```
hadoop fs -rmr /user/myuser/myfile.txt
```

Remove a Directory and Its Contents:

```
hadoop fs -rmr /user/myuser/mydir
```

## 9) du

The du (disk usage) command displays the disk usage of files and directories in HDFS. It helps

Syntax:

```
hadoop fs -du [options] <hdfs_path>
```

Example Syntax:

Display Disk Usage of a Directory:

```
hadoop fs -du /user/myuser/mydir
```

Display Disk Usage with Human-Readable Format:

```
hadoop fs -du -h /user/myuser/mydir
```

The -h option provides the output in a human-readable format (e.g., KB, MB).