

Hadoop Commands

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Working with HDFS

- **To view the initial directory contents:**
 - `cd hadoop` (beginners → this is good)
 - `hadoop dfs -ls /`
- **To create a directory**
 - `hadoop dfs -mkdir /user/username`
 - Example:
 - `hadoop dfs -mkdir /Ramesh_hdfs`
 - Check in UI

Working with HDFS

- **Inserting data into the HDFS**

- put command is used

- Format is

- `hadoop/hdfs dfs -put /source_in_local
/destination_hdfs_directory` (rename the file if you want)

- Example:

- `hadoop dfs -put /home/rameshragala/one.txt /Ramesh_hdfs/three.txt`

- This command copies one.txt content into three.txt (hdfs)

Working with HDFS

- **Inserting data into the HDFS**

- copyFromLocal is also used

- Format is

- **hadoop dfs -copyFromLocal /source_in_local
/destination_hdfs_directory (rename the file if you want)**

- **Example:**

- **hadoop dfs -copyFromLocal /home/rameshragala/two.txt /Ramesh_hdfs/two.txt**
 - This command copies two.txt content into two.txt (hdfs)

Working with HDFS

- **Removing files into the HDFS**
 - copyFromLocal is also used
 - Format is
 - `hadoop dfs -rm /destination_hdfs_directory`
- Example:
 - `hadoop dfs -rm /Ramesh_hdfs/two.txt`
 - This command will remove the two.txt from hdfs.

Working with HDFS

- **Retrieving data from the HDFS**

- cat command can be used to display the data
- Format:
 - `hadoop dfs -cat /path_sourcefile_hdfs` (file is in hdfs)

- Example:

- `hadoop dfs -cat /Ramesh_hdfs/three.txt`
- This command will display the content of three.txt of hdfs.

Working with HDFS

- **Retrieving data from the HDFS**

- **get** command is the inverse operation of put;
- it will copy a file or directory (recursively) from HDFS into the target of your choosing on the local file system command can be used to display the data
- Format:
 - `hadoop dfs -get /path_source_file_hdfs /path_destination_file_localmachine`
- Example:
 - `hadoop dfs -get /Ramesh_hdfs/three.txt /home/rameshragala/ten.txt`

Working with HDFS

- **Retrieving data from the HDFS**

- **copyToLocal** command will work like get command

- Format:

- `hadoop dfs -copyToLocal /path_source_file_hdfs
/path_destination_file_localmachine`

- Example:

- `hadoop dfs -copyToLocal /Ramesh_hdfs/three.txt /home/rameshragala/seven.txt`

Working with HDFS

- **Remove data from the HDFS**
 - **recursively remove the data**
 - Format:
 - `hadoop dfs -rmr /path_source_file_hdfs`
- Example:
 - `hadoop dfs -mkdir /ragala_hdfs`
 - `hadoop dfs -rmr /ragala_hdfs`