HADOOP LAB DOCUMENTATION - 06/06/2022

Hadoop Basic Commands 1. mkdir Hadoop HDFS mkdir Command Usage Hadoop HDFS mkdir Command Example hdfs dfs -mkdir /abc Hadoop HDFS mkdir Command Description This HDFS command takes path URI's as an argument and creates directories. 2. ls Hadoop HDFS 1s Command Usage Hadoop HDFS 1s Command Example hadoop fs -ls / Hadoop HDFS 1s Commnad Description This Hadoop HDFS ls command displays a list of the contents of a directory specified by path provided by the user, showing the names, permissions, owner, size and modification date for each entry. 3. put Hadoop HDFS put Command Usage Hadoop HDFS put Command Example hdfs dfs -put /home/hduser/Desktop/Welcome.txt /abc/WC.txt Hadoop HDFS put Command Description This hadoop basic command copies the file or directory from the local file system to the destination within the DFS. Display the contents of the file WC.txt hdfs dfs -cat /abc/WC.txt 4. copyFromLocal Hadoop HDFS copyFromLocal Command Usage copyFromLocal Hadoop HDFS copyFromLocal Command Example hdfs dfs -put /home/hduser/Desktop/Welcome.txt /abc/WC.txt Hadoop HDFS copyFromLocal Command Description This hadoop shell command is similar to put command, but the source is restricted to a local file reference. Display the contents of the file WC2.txt hdfs dfs -cat /abc/WC2.txt 5. get Hadoop HDFS get Command Usage get [-crc] i. Hadoop HDFS get Command Example hdfs dfs -get /abc/WC.txt /home/hduser/Downloads/WWC.txt This HDFS fs command copies the file or directory in HDFS identified by

ii. Hadoop HDFS get Command Example

destination.

the source to the local file system path identified by local

hdfs dfs -getmerge /abc/WC.txt /abc/WC2.txt /home/hduser/Desktop/Merge.txt

This HDFS basic command retrieves all files that match to the source path entered by the user in HDFS, and creates a copy of them to one single, merged file in the local file system identified by local destination.

iii. Hadoop HDFS get Command Example
hadoop fs -getfacl /abc/

This Apache Hadoop command shows the Access Control Lists (ACLs) of files and directories.

6. copyToLocal

Hadoop HDFS copyToLocal Command Usage copyToLocal Hadoop HDFS copyToLocal Command Example hdfs dfs -copyToLocal /abc/WC.txt /home/hduser/Desktop

Similar to get command, only the difference is that in this the destination is restricted to a local file reference.

7. cat

Hadoop HDFS cat Command Usage cat
Hadoop HDFS cat Command Example
hdfs dfs -cat /abc/WC.txt

This Hadoop fs shell command displays the contents of the filename on console or stdout.

8. mv

Hadoop HDFS mv Command Usage mv Hadoop HDFS mv Command Example hadoop fs -mv /abc /FFF hadoop fs -ls /FFF

This basic HDFS command moves the file or directory indicated by the source to destination, within HDFS.

9. cp

Hadoop HDFS cp Command Usage cp Hadoop HDFS cp Command Example hadoop fs -cp /CSE/ /LLL hadoop fs -ls /LLL

The cp command copies a file from one directory to another directory within the HDFS.

The Similar commands are practically implemented and the screenshots are shown below.











