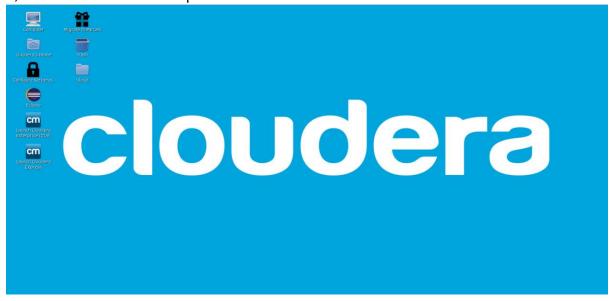
Practical 2

To implement Various Hadoop HDFS Commands

Commands:

1)hadoop version

5)Create folder on desktop



6)create file in desktop folder



7)Enter some text in the file



8)hdfs dfs -copyFromLocal /home/cloudera/Desktop/rjlocal/file01 /rjcit2122

9)hdfs dfs -put /home/cloudera/Desktop/rjlocal/file01 /rjcit2122

→ (Copy Local To Server)

```
[cloudera@quickstart -]$ hdfs dfs -put /home/cloudera/Desktop/rjlocal/file01 /rjcit2122 put: `/rjcit2122/file01': File exists [cloudera@quickstart -]$ hdfs dfs -ls /rjcit2122 Found 1 items -rw-r--r- 1 cloudera supergroup 33 2022-03-20 06:56 /rjcit2122/file01
```

10)hdfs dfs -copyFromLocal /home/cloudera/Desktop/rjlocal/file02 /rjcit2122

→ (Copy Local To Server)

```
[cloudera@quickstart -]$ hdfs dfs -copyFromLocal /home/cloudera/Desktop/rjlocal/file02 /rjcit2122 [cloudera@quickstart -]$ hdfs dfs -ls /rjcit2122 Found 2 items -rw-r--r- 1 cloudera supergroup 33 2022-03-20 06:56 /rjcit2122/file01 -rw-r--r- 1 cloudera supergroup 34 2022-03-20 08:11 /rjcit2122/file02
```

11)hdfs dfs -copyToLocal /rjcit2122/file02 /home/cloudera/Desktop/rjlocal

→ (Copy Server To Local)



12)hdfs dfs -cat /rjcit2122/file01 \rightarrow (Read command)

[cloudera@quickstart -]\$ hdfs dfs -cat /rjcit2122/file01 Hello Hrishikesh,
!! Welcome !!
[cloudera@quickstart ~]\$ hdfs dfs -cat /rjcit2122/file02 Hello Hrishikesh.
This is file 2.

13)hdfs dfs -cp /rjcit2122/file02 /newdir → (Copy command)

```
[cloudera@quickstart -]$ hdfs dfs -mkdir /newdir
[cloudera@quickstart -]$ hdfs dfs -ls /newdir
[cloudera@quickstart -]$ hdfs dfs -cp /rjcit2122/file02 /newdir
[cloudera@quickstart -]$ hdfs dfs -ls /newdir
Found 1 items
-n-v-r-r- 1 cloudera supergroup 34 2022-03-21 02:58 /newdir/file02
```

14)hdfs dfs -mv /rjcit2122/file02 /newdir1 \rightarrow (Move command)

```
[cloudera@quickstart -]$ hdfs dfs -mkdir /newdir1
[cloudera@quickstart -]$ hdfs dfs -ls /newdir1
[cloudera@quickstart -]$ hdfs dfs -nw /rjcit2122/file02 /newdir1
[cloudera@quickstart -]$ hdfs dfs -ls /newdir1
Found 1 items
-rw-r--r- 1 cloudera supergroup 34 2022-03-20 08:11 /newdir1/file02
[cloudera@quickstart -]$ hdfs dfs -cat /newdir1/file02
Hello Hrishikesh.
This is file 2.
```

15)hdfs dfs -rm /newdir2 \rightarrow (Remove command)

```
[cloudera@quickstart -]$ hdfs dfs -mkdir /newdir2
[cloudera@quickstart -]$ hdfs dfs -cp /rjcit2122/file01 /newdir2
[cloudera@quickstart -]$ hdfs dfs -ls /newdir2
Found 1 items
-rw-r-r- 1 cloudera supergroup 33 2022-03-21 03:11 /newdir2/file01
[cloudera@quickstart -]$ hdfs dfs -cat /newdir2/file01
Hello Hrishikesh,

    !! Welcome !!

    [cloudera@quickstart -]$ hdfs dfs -rm /newdir2/file01

    [cloudera@quickstart -]$ hdfs dfs -ls /newdir2

    [cloudera@quickstart -]$ hdfs dfs -ls /rewdir2

    [cloudera@quickstart -]$ hdfs dfs -ls /rewdir2

    [cloudera@quickstart -]$ hdfs dfs -ls /rewdir2

    [roudera@quickstart -]$ hdfs dfs -rm /newdir2

                                                                                                                                                                                                                 0 2017-10-23 09:15 /benchmarks
0 2022-03-20 06:27 /hbase
0 2022-03-21 02:58 /newdir
0 2022-03-21 03:09 /newdir1
0 2022-03-21 03:09 /newdir1
0 2022-03-21 03:09 /rjcit2122
0 2017-10-23 09:18 /solr
0 2022-03-20 06:27 /tmp
0 2017-10-23 09:17 /user
0 2017-10-23 09:17 /vser
Deleted /newdir2
```

16)hdfs dfs -expunge → Expunge Command (Empty Trash)

```
[cloudera@quickstart ~]$ hdfs dfs -expunge [cloudera@quickstart ~]$ \blacksquare
```

17)hdfs dfs -du /rjcit2122 → DU Command

[cloudera@quickstart -]s hdfs dfs -du /rjcit2122 33 33 /rjcit2122/file01 [cloudera@quickstart -]s hdfs dfs -du /newdir 34 34 /newdir/file02

18)hdfs dfs -df → DF Command

19)hdfs fsck /rjcit2122 → Fsck command

```
0 (0.0 %)
Missing replicas: 0 (0.0 %)
Number of data-nodes: 1
Number of racks: 1
FSCK ended at Mon Mar 21 04:08:30 PDT 2022 in 2 milliseconds
```

The filesystem under path '/rjcit2122' is HEALTHY

20)hdfs fsck /rjcit2122 -files

```
20)hdts tsck /rjcit2122 -tiles

[cloudera@quickstart -js hdfs fsck /rjcit2122 -files
Connecting to namenode via http://quickstart.cloudera:50070/fsck?ugi=cloudera&files=1&path=%2Frjcit2122
FSCK started by cloudera (auth:SIMPLE) from /10.0.2.15 for path /rjcit2122 at Mon Mar 21 04:22:50 PDT 2022
/rjcit2122 -dir>
/rjcit2122 -dir
/
```

The filesystem under path '/rjcit2122' is HEALTHY