Reem Almijmaj

ID: 3217747723

DSCI 551

Lab2

Give examples for each of the following HDFS commands:

<mark>– Is</mark>

To list the contents of the root

To list the contents of the directory dsci551

– mkdir

```
[ec2-user@ip-172-31-22-162 ~]$ hdfs dfs -mkdir /dsci551Lab2
[ec2-user@ip-172-31-22-162 ~]$|
```

Just to make sure that dsci551Lab2 is exists, please check the last line:

– rmdir

```
[ec2-user@ip-172-31-22-162 ~] $ hdfs dfs -rmdir /dsci551Lab2
```

Just to prove that this command works, I included a screenshot for all the directories and as you can see dsci551Lab2 is not there.

– rm

As you can see the file reem.xml was deleted.

```
[ec2-user@ip-172-31-22-162 ~]$ hdfs dfs -rm /dsci551/reem.xml
Deleted /dsci551/reem.xml
[ec2-user@ip-172-31-22-162 ~]$
```

– put

I put reem.xml in the directory dsci551

```
      [ec2-user@ip-172-31-22-162 ~]$ hdfs dfs -ls /dsci551

      Found 3 items

      drwxr-xr-x - ec2-user supergroup
      0 2022-02-09 01:08 /dsci551/input

      -rw-r--r- 1 ec2-user supergroup
      31 2022-02-10 08:04 /dsci551/lab2.txt

      -rw-r--r- 1 ec2-user supergroup
      0 2022-02-11 20:18 /dsci551/reem.xml
```

get

```
[ec2-user@ip-172-31-22-162 lab2]$ ls
[ec2-user@ip-172-31-22-162 lab2]$ hdfs dfs -get /DSCI_LAB2/lab2.txt /home/ec2-user/lab2
```

To make sure that I downloaded the file lab2.txt to lab2 directory:

```
[ec2-user@ip-172-31-22-162 lab2]$ ls
lab2.txt
```

– cp

```
[ec2-user@ip-172-31-22-162 lab2]$ hdfs dfs -cp /dsci551/lab2.txt /DSCI_LAB2
```

To make sure that I have copy the file to DSCI_LAB2, please check the snapshot:

```
[ec2-user@ip-172-31-22-162 lab2]$ hdfs dfs -ls /DSCI_LAB2
Found 1 items
-rw-r--r-- 1 ec2-user supergroup 31 2022-02-10 08:13 /DSCI_LAB2/lab2.txt
```

– cat

I used cat to show the content of the reem.xml file

```
ec2-user@ip-172-31-22-162 ~ | $ hdfs dfs -cat /dsci551/reem.xml  
{\text{cyml version="1.0"?}}  
{\text{fsimages-version>clayoutVersion>-66</layoutVersion>contiskVersion>1
\text{cyml version=sampV1>dsci551/reem.xml}  
{\text{cyml version>clayoutVersion>-66</layoutVersion>contiskVersion>lono|skVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskVersion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskversion>contiskver
```