**Test Yourself: HDFS Command Line**

Problem Statement: Using Command line of HDFS, perform following tasks.

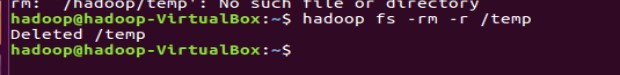
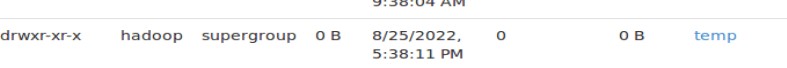
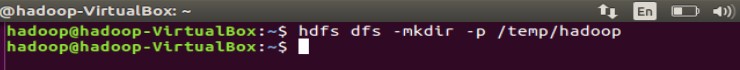
1. Create a directory /hadoop/hdfs/ in HDFS



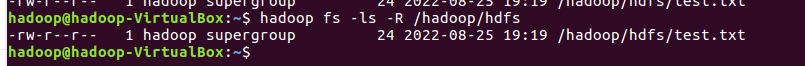
Graphical user interface, text, application, email

Description automatically generated

1. Create a temp directory in Hadoop. Run HDFS command to delete “temp” directory.



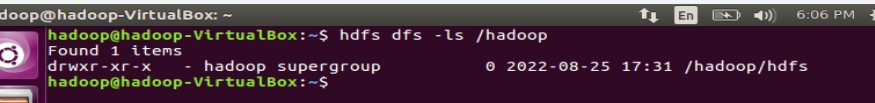
1. List all the files/directories for the given hdfs destination path.



Graphical user interface, text, application, email

Description automatically generated

1. Command that will list the directories in /hadoop folder.

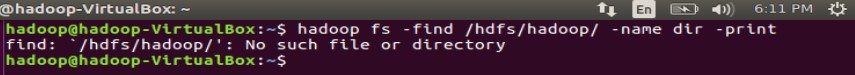


1. Command to list recursively all files in hadoop directory and all subdirectories in hadoop directory

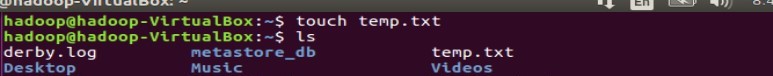
Text

Description automatically generated

1. List all the files inside /hadoop/hdfs/ directory which starts with 'dir'.



1. Create a temp.txt file. Copies this file from local file system to HDFS





Graphical user interface, text, application

Description automatically generated

1. Copies the file from HDFS to local file system.

Text

Description automatically generated

1. Command to copy from local directory with the source being restricted to a local file reference.
2. Command to copies to local directory with the source being restricted to a local file reference.
3. Command to move from local directory source to Hadoop directory.

A picture containing text

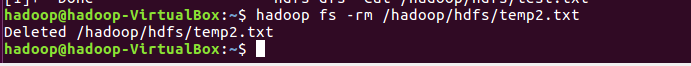
Description automatically generated



1. Deletes the directory and any content under it recursively.

Graphical user interface

Description automatically generated with low confidence



Text

Description automatically generated with low confidence

1. List the files and show Format file sizes in a human-readable fashion.
2. Take a source file and outputs the file in text format on the terminal.
3. Display the content of the HDFS file test on your /user/hadoop2 directory.



1. Append the content of a local file test1 to a hdfs file test2.





1. Show the capacity, free and used space of the filesystem

A screenshot of a computer

Description automatically generated with medium confidence

1. Shows the capacity, free and used space of the filesystem. Add parameter Formats the sizes of files in a human-readable fashion.

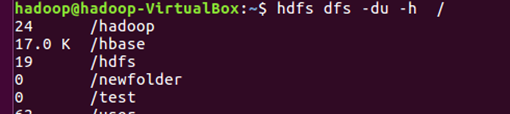
Text

Description automatically generated

1. Show the amount of space, in bytes, used by the files that match the specified file pattern.



1. Show the amount of space, in bytes, used by the files that match the specified file pattern. Formats the sizes of files in a human-readable fashion.

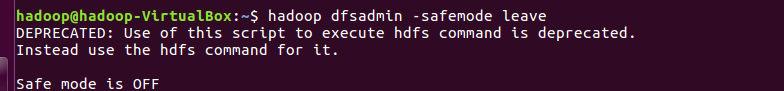


1. Check the health of the Hadoop file system.

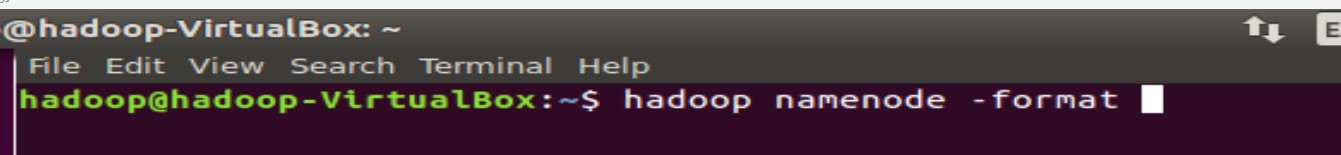
Text

Description automatically generated

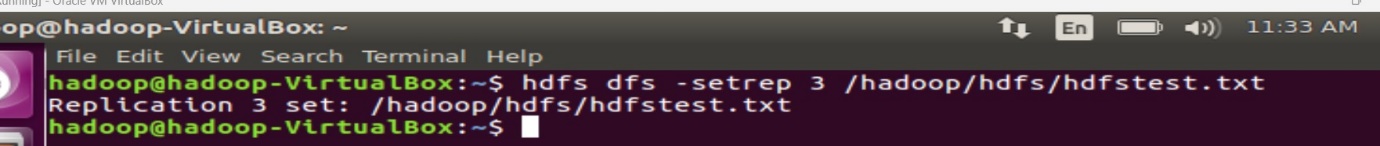
1. Command to turn off the safemode of Name Node.



1. HDFS command to format NameNode.



1. Create a file named hdfstest.txt and change it number of replications to 3.



Graphical user interface, text, application

Description automatically generated

1. Write command to display number of replicas for hdfstest.txt file.



1. Write command to Display the status of file “hdfstest.txt” like block size, filesize in bytes.





aa)Write HDFS command to change file permission from   
 rw – r – r to rwx-rw-x for hdfstest.txt.



