

This task is intended to practice with the HDFS file system. In this exercise, you will begin to get acquainted with the Hadoop tools. The output is a pdf file with the command line and capture of its execution. You can use "hdfs dfs" or "hadoop fs" command.

**1. Create a folder in HDFS in the path /exercise**

```
hdfs dfs -mkdir /exercise
```

**2. Modify its permission to 775**

```
hdfs dfs -chmod -R 775 /exercise
```

**3. Upload a text file (txt format and not empty) to /exercise**

```
hdfs dfs -put C:/Users/cberd/Desktop/ejecutar.txt /exercise
```

Inserto un archive en mi escritorio llamado ejecutar.txt y lo inserto en /exercise

**4. List all the elements in the exercise folder**

```
hdfs dfs -ls /exercise
```

```
Found 1 items
-rw-r--r--  1 cberd supergroup      606 2025-01-27 20:55 /exercise/ejecutar.txt
```

**5. Download from /exercise the text file from step 3**

```
hdfs dfs -get /exercise/ejecutar.txt C:/Users/cberd/Downloads
```

Se copia el archivo desde el directorio del sistema hdfs a mi carpeta de descargas.

**6. Upload to /exercise a new txt file**

```
hdfs dfs -put C:/Users/cberd/Desktop/ubd.txt /exercise
```

Inserto otro archive en /exercise desde mi escritorio. El archivo se llama ubd.txt

**7. Modify the permission of the exercise folder and all its files to 777**

```
hdfs dfs -chmod -R 777 /exercise
```

**8. Print all the content of the file uploaded in step 3**

```
hdfs dfs -cat /exercise/ejecutar.txt
```

```

PS C:\Users\cberd> hdfs dfs -cat /exercise/ejecutar.txt
git submodule deinit -f --all
git rm --cached Modulo16Lab/Fibonacci/proyectoFibonacciFork
git rm --cached Modulo16Lab/Fibonacci/proyectoFibonacci
git submodule add https://github.com/cberdejo/proyectoFibonacciFork Modulo16Lab/Fibonacci/proyectoFibonacciFork
git submodule add https://github.com/cberdejo/Proyecto-Fibonacci Modulo16Lab/Fibonacci/proyectoFibonacci
git submodule update --init --recursive
git add .gitmodules git/config Modulo16Lab/Fibonacci/proyectoFibonacciFork Modulo16Lab/Fibonacci/proyectoFibonacci
git commit -m "Corrige configuraci|n de subm|dulos"
git push origin main

```

En mi caso, en el fichero ejecutar.txt tenía comandos de git apuntados.

### 9. Create a folder in HDFS in the path /exercise/myfolder and move the file uploaded in step 6 to /exercise/myfolder

```

hdfs dfs -mkdir /exercise/myfolder
hdfs dfs -mv /exercise/ubd.txt /exercise/myfolder
hdfs dfs -ls /exercise/myfolder

```

```

Found 1 items
-rw-r--r--  1 cberd supergroup      23 2025-01-30 18:52 /exercise/myfolder/ubd.txt

```

### 10. Remove the exercise folder and all its content

```

hdfs dfs -rm -R /exercise

```

```

Deleted /exercise
PS C:\Users\cberd> |

```