

Nombre: Jade Ullola Castro	Matrícula: 4500985
Nombre del curso: Infraestructura para BigData	Nombre del profesor: Miguel de Jesús Martínez Felipe
Módulo: 1	Actividad: Actividad 5
Fecha: Febrero 13, 2024	

Actividad 5

Comandos

Ullolita@server-01:~

```

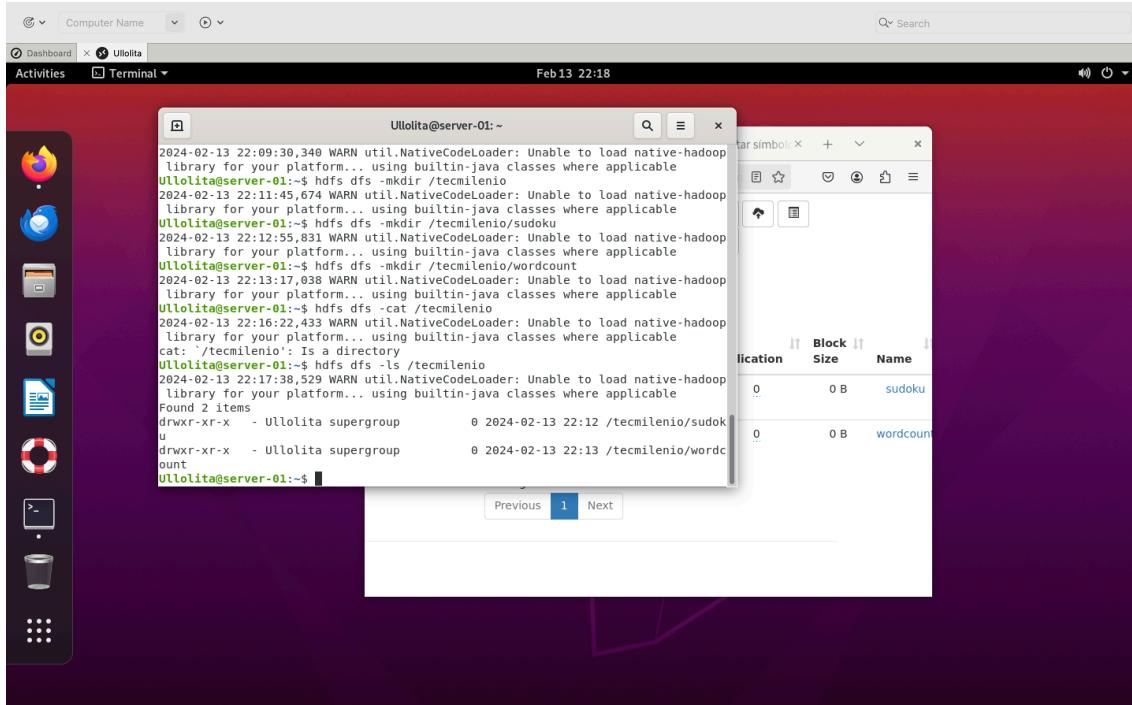
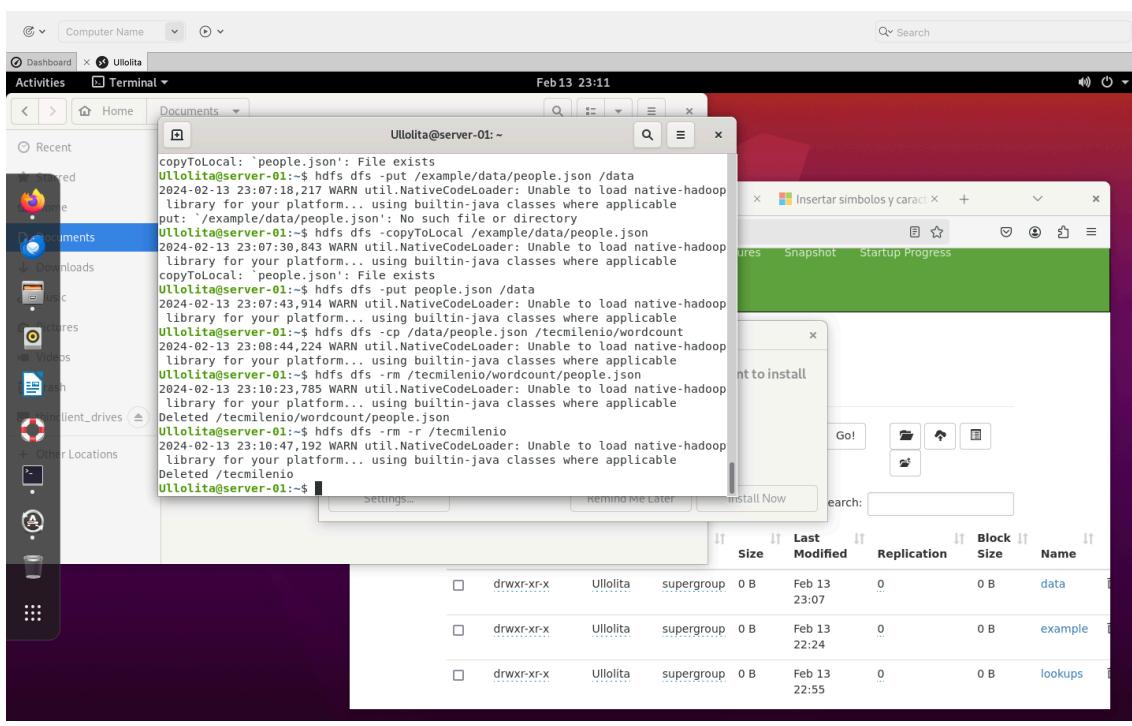
library for your platform... using builtin-java classes where applicable
ls: '/example/data': No such file or directory
Ullolita@server-01:~$ hdfs dfs -mkdir /example
2024-02-13 22:23:56,187 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ hdfs dfs -mkdir /example/data
2024-02-13 22:24:10,024 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ hdfs dfs -ls /example/data
2024-02-13 22:24:20,852 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ hdfs dfs -put /home/Ullolita/fruit.txt
2024-02-13 22:28:09,783 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: '.'.: No such file or directory: 'hdfs://localhost:9000/user/Ullolita'
Ullolita@server-01:~$ hdfs dfs -put fruit.txt
Ullolita@server-01:~$ hdfs dfs -put fruits.txt /data
2024-02-13 22:28:54,680 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: 'fruits.txt': No such file or directory
Ullolita@server-01:~$ hdfs dfs -put fruits.txt
2024-02-13 22:29:14,574 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable

```

Ullolita@server-01:~\$ hdfs dfs -put /home/Ullolita/fruit.txt

```

2024-02-13 22:28:09,783 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: '.'.: No such file or directory: 'hdfs://localhost:9000/user/Ullolita'
Ullolita@server-01:~$ hdfs dfs -put fruit.txt
Ullolita@server-01:~$ hdfs dfs -put fruits.txt /data
2024-02-13 22:28:54,680 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: 'fruits.txt': No such file or directory
Ullolita@server-01:~$ hdfs dfs -put fruits.txt
2024-02-13 22:29:14,574 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
put: '.'.: No such file or directory: 'hdfs://localhost:9000/user/Ullolita'
Ullolita@server-01:~$ hdfs dfs -put fruits.txt /data
2024-02-13 22:29:26,777 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ hdfs dfs -put fruit.txt /example/data
2024-02-13 22:30:03,544 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ hdfs dfs -get /example/data/fruit.txt /tmp
2024-02-13 22:32:18,973 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~$ 
```



Activities Terminal Feb 13 23:11

```
Ullolita@server-01:~ $ /home/Ullolita/hadoop-3.3.6/sbin/start-dfs.sh
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [server-01]
2024-02-13 21:35:45,848 WARN util.NativeCodeLoader: Unable to load native-hadoop
library for your platform... using builtin-java classes where applicable
Ullolita@server-01:~ $ /home/Ullolita/hadoop-3.3.6/sbin/start-yarn.sh
Starting resourcemanager
Starting nodemanagers
Ullolita@server-01:~ $ jps
3316 NameNode
3912 ResourceManager
4217 Jps
4662 NodeManager
3711 SecondaryNameNode
Ullolita@server-01:~ $ hdfs
Usage: hdfs [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]

OPTIONS is none or any of:
--buildpaths attempt to add class files from build tree
--config dir Hadoop config directory
--daemon (start|status|stop) operate on a daemon
--debug turn on shell script debug mode
```

Insertar simblos y caract

Size	Last Modified	Replication	Block Size	Name
0 B	Feb 13 23:07	0	0 B	data
0 B	Feb 13 22:24	0	0 B	example
0 B	Feb 13 22:55	0	0 B	lookups

Activities Firefox Web Browser Feb 13 23:16

Browsing HDFS

Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities

Browse Directory

/

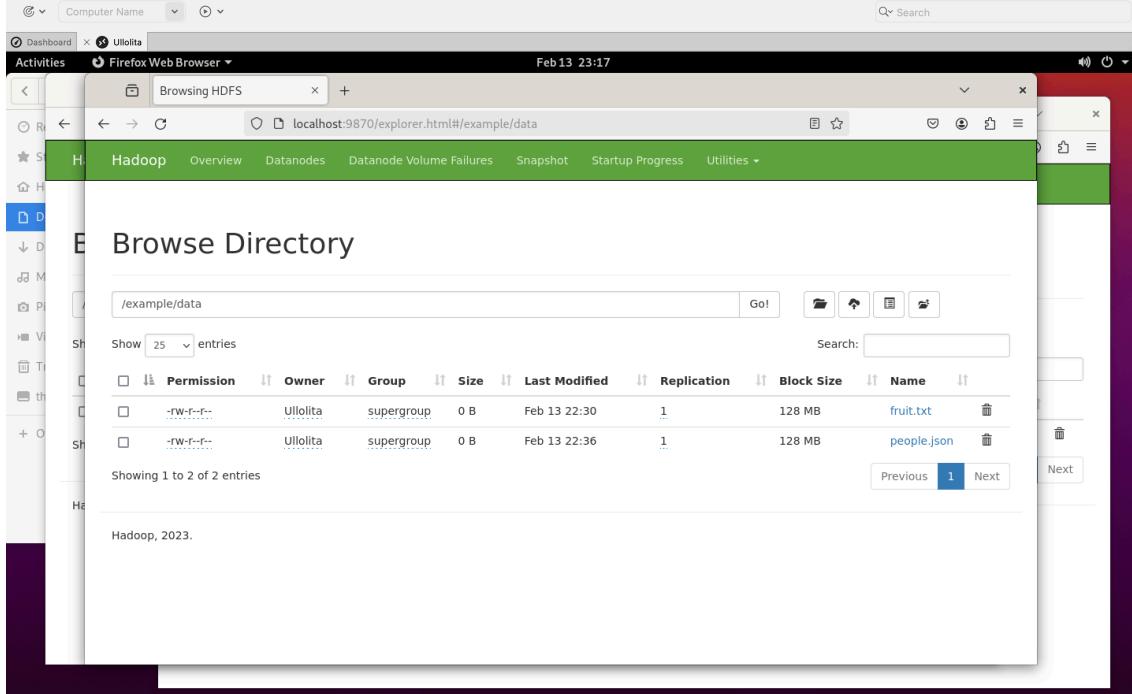
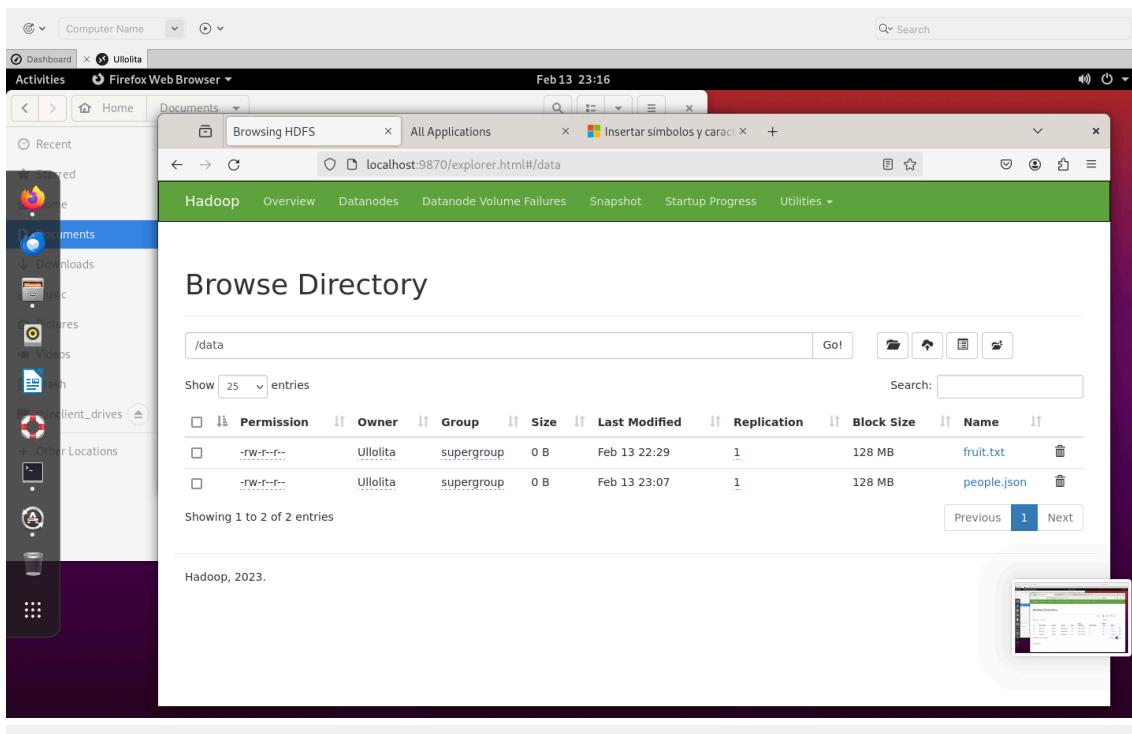
Show 25 entries

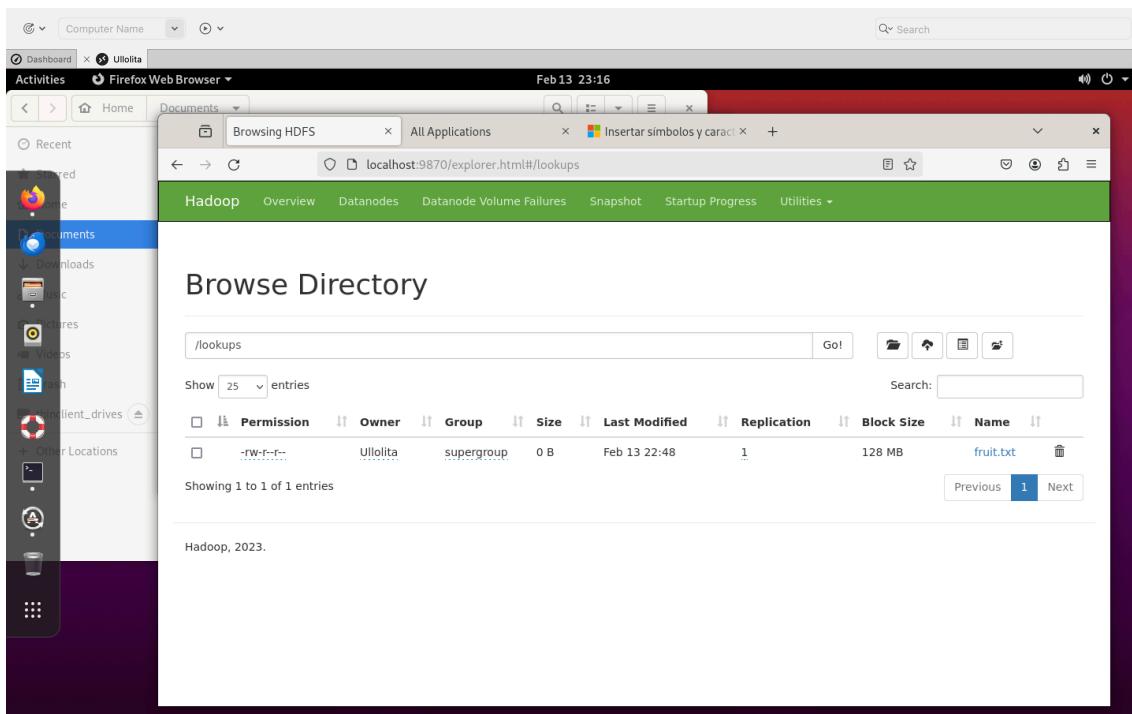
Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxr-xr-x	Ullolita	supergroup	0 B	Feb 13 23:07	0	0 B	data
drwxr-xr-x	Ullolita	supergroup	0 B	Feb 13 22:24	0	0 B	example
drwxr-xr-x	Ullolita	supergroup	0 B	Feb 13 22:55	0	0 B	lookups

Showing 1 to 3 of 3 entries

Previous 1 Next

Hadoop, 2023.





Reflexión

Durante estas actividades relacionadas con Hadoop, he trabajado mayormente a través de la terminal, he llevado a cabo una serie de operaciones que han implicado la gestión de archivos y directorios en el sistema de archivos distribuido de Hadoop. Existe una gran variedad de comandos, que al principio sin estar familiarizada me costo trabajo, pero con el uso constante de estos, he identificado cada uno de ellos y su utilidad. Son comandos como para crear directorios con `hdfs dfs -mkdir`, transferir archivos entre el sistema local y el HDFS utilizando `hdfs dfs -get` y `hdfs dfs -put`, copiar archivos con `hdfs dfs -cp`, eliminar archivos y directorios con `hdfs dfs -rm`, entre otros.

Una parte importante es comprender la estructura y organización de los datos en un entorno distribuido. La capacidad de gestionar archivos y directorios de manera efectiva en el HDFS es crucial para garantizar la integridad y accesibilidad de los datos, así como para optimizar los procesos de análisis y procesamiento de grandes volúmenes de información. Esta actividad me ha permitido reflexionar sobre la importancia de la colaboración y la comunicación en entornos técnicos.