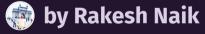
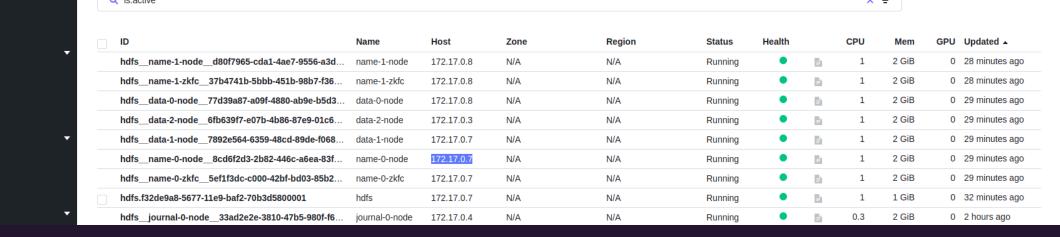


Working with HDFS

Learn the essential commands and operations for managing files and directories in Hadoop Distributed File System (HDFS).





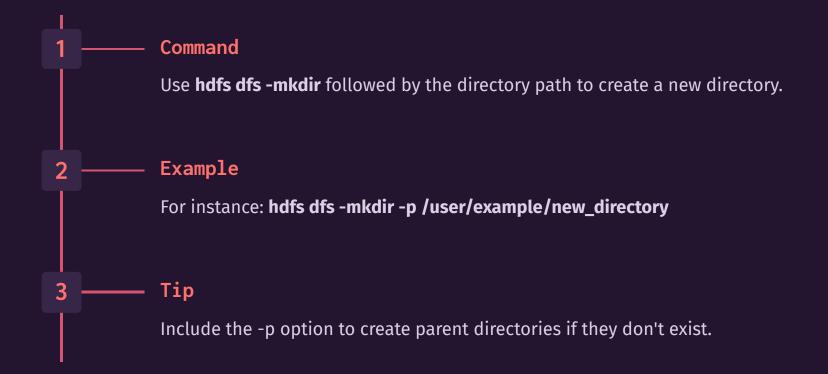
Creating Directories

Networking

Networks

Cluster

Components



Moving Files to HDFS

Command

Use **hdfs dfs -put** followed by the local file path and the destination directory in HDFS.

Example

Like so: hdfs dfs -put
localfile.txt
/user/example/new_directory

Essential

This command is crucial for transferring files to HDFS for processing.



Viewing Data Contents

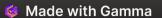
1

File Contents

Use **hdfs dfs -cat** followed by the file path to view file contents.

Directory Contents

With **hdfs dfs -ls**, view files within a directory in HDFS.



Fetching Files from HDFS

1 Local Copy

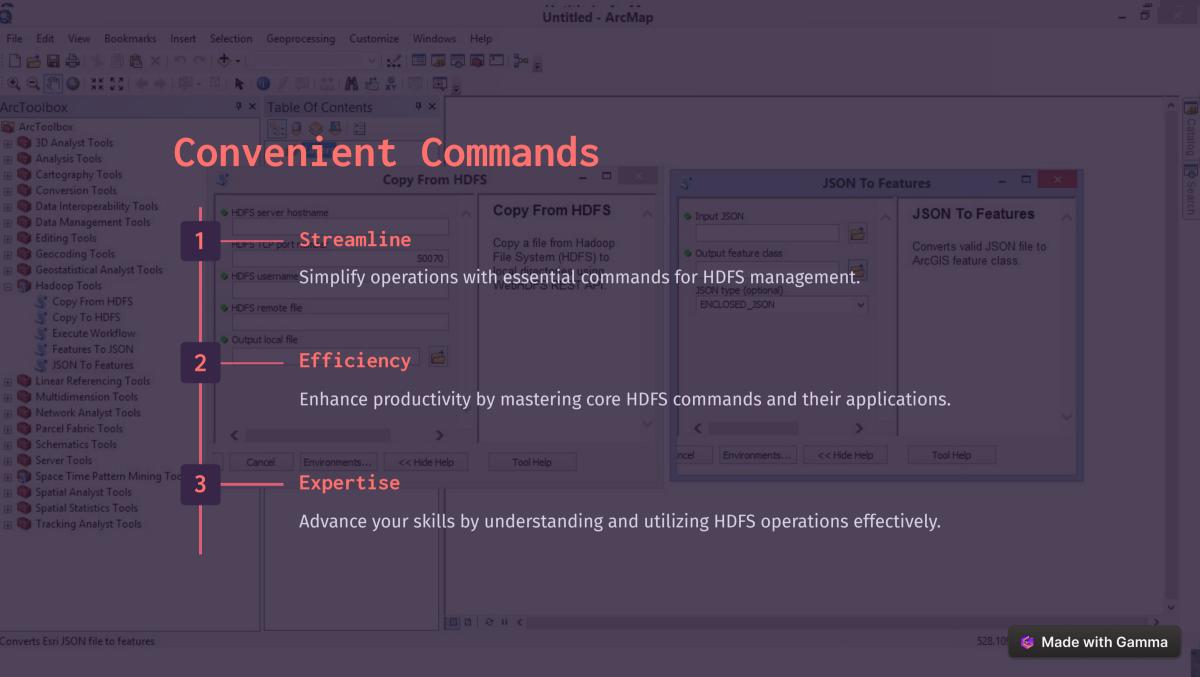
Utilize **hdfs dfs -get** to copy files from HDFS to the local file system.

2 Example

For example: hdfs dfs -get /user/example/new_directory/file.txt /local/path

```
y.java:2410)
stem.java:3433)
.java:1418)
oader.java:502)
Loader.java:224)
er.java:133)
a:272)
a:891)
va:638)
8)
namenode join
1474)
a:272)
a:891)
va:638)
```





Effective HDFS Management



Directories

Creating, organizing, and managing directories in HDFS.



Files

Handling and manipulating files within HDFS.



Data Transfer

Efficiently transferring data to and from HDFS.



Shell Commands

Executing commands within the HDFS environment.

Advanced HDFS Operations

Operation	Command	Purpose
Create Directory	hdfs dfs -mkdir	To create a new directory in HDFS.
Transfer File to HDFS	hdfs dfs -put	Move a file from the local file system to HDFS.
View File Contents	hdfs dfs -cat	View the contents of a file in HDFS.
Copy File from HDFS	hdfs dfs -get	Copy a file from HDFS to the local file system.