


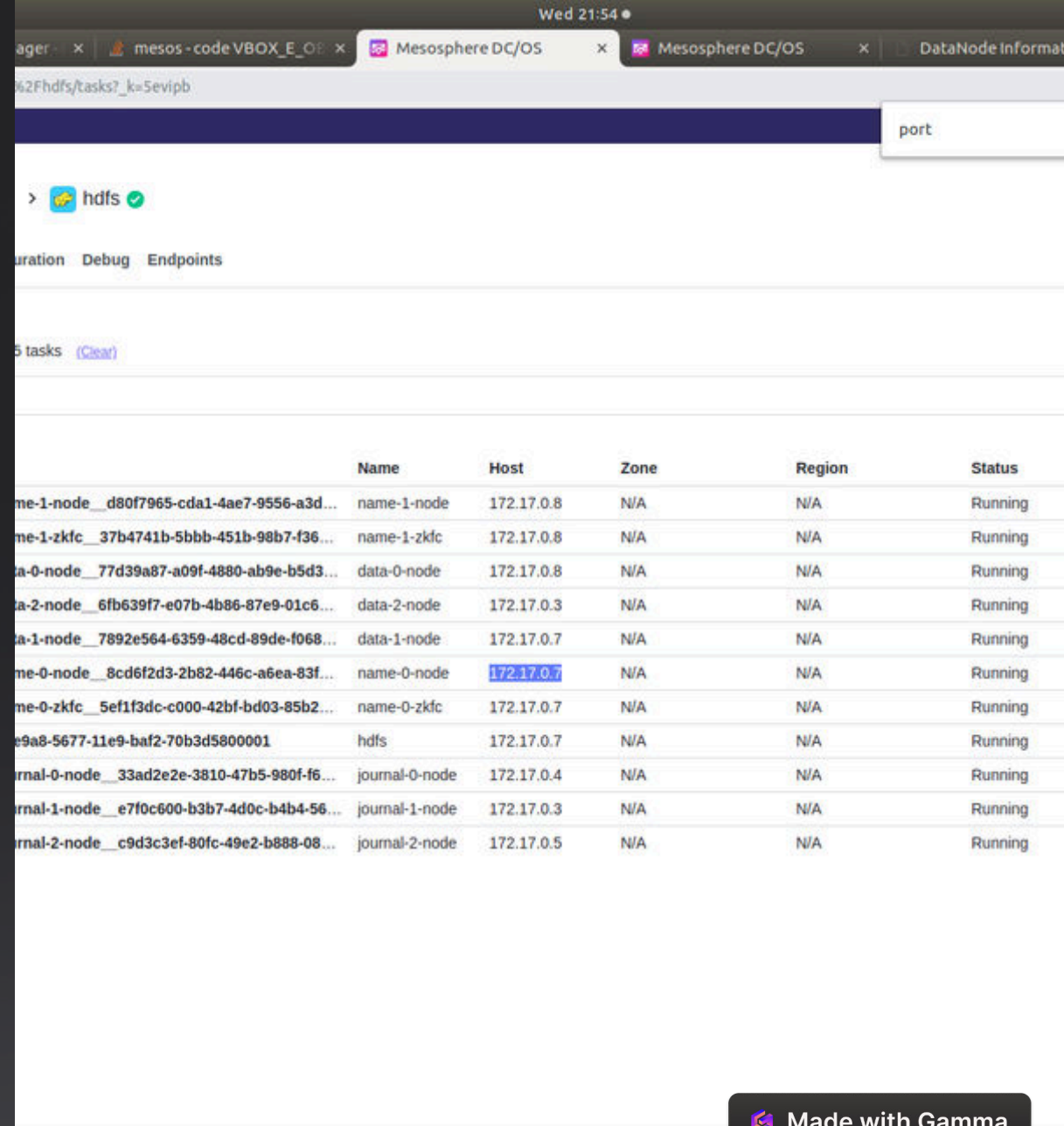
Creating a New Directory

To create a new directory in HDFS, use the command

`hdfs dfs -mkdir /path/to/new_directory.`

This command will enable you to create a new directory at the specified path in the Hadoop Distributed File System (HDFS).

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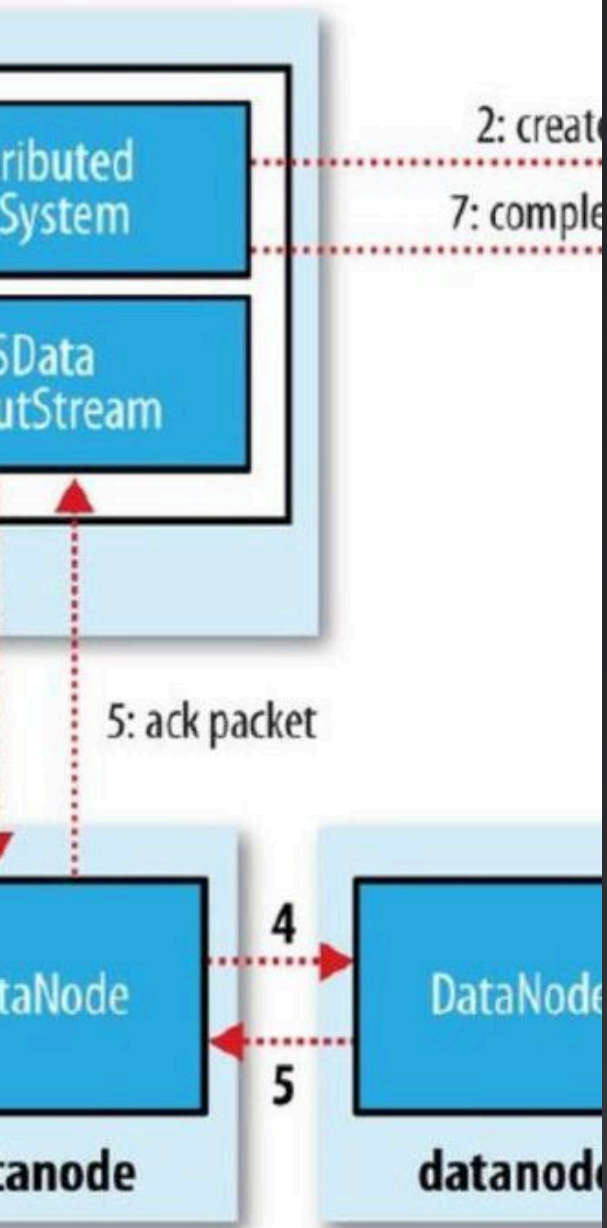
The screenshot shows the Mesosphere DC/OS web interface. At the top, there are browser tabs for 'mesos-code VBOX_E_O...', 'Mesosphere DC/OS', and 'DataNode Informa...'. The address bar shows a URL ending in 'k=5evipb'. A search bar with the text 'port' is visible. Below the search bar, there is a section for 'hdfs' with a green checkmark. Underneath, there are tabs for 'uration', 'Debug', and 'Endpoints'. A section labeled '5 tasks (Clear)' is visible. The main part of the screenshot is a table with the following columns: Name, Host, Zone, Region, and Status. The table lists various tasks, including 'name-1-node', 'name-1-zkfc', 'data-0-node', 'data-2-node', 'data-1-node', 'name-0-node', 'name-0-zkfc', 'hdfs', 'journal-0-node', 'journal-1-node', and 'journal-2-node'. The 'Host' column for the 'hdfs' task is highlighted with a blue box and contains the IP address '172.17.0.7'.

Name	Host	Zone	Region	Status
name-1-node__d80f7965-cda1-4ae7-9556-a3d...	name-1-node	172.17.0.8	N/A	Running
name-1-zkfc__37b4741b-5bbb-451b-98b7-f36...	name-1-zkfc	172.17.0.8	N/A	Running
data-0-node__77d39a87-a09f-4880-ab9e-b5d3...	data-0-node	172.17.0.8	N/A	Running
data-2-node__6fb639f7-e07b-4b86-87e9-01c6...	data-2-node	172.17.0.3	N/A	Running
data-1-node__7892e564-6359-48cd-89de-f068...	data-1-node	172.17.0.7	N/A	Running
name-0-node__8cd6f2d3-2b82-446c-a6ea-83f...	name-0-node	172.17.0.7	N/A	Running
name-0-zkfc__5ef1f3dc-c000-42bf-bd03-85b2...	name-0-zkfc	172.17.0.7	N/A	Running
e9a8-5677-11e9-baf2-70b3d5800001	hdfs	172.17.0.7	N/A	Running
journal-0-node__33ad2e2e-3810-47b5-980f-f6...	journal-0-node	172.17.0.4	N/A	Running
journal-1-node__e7f0c600-b3b7-4d0c-b4b4-56...	journal-1-node	172.17.0.3	N/A	Running
journal-2-node__c9d3c3ef-80fc-49e2-b888-08...	journal-2-node	172.17.0.5	N/A	Running

Creating a File:

To create a file in HDFS, use the command: **cat > filename**

For reading the contents of a file: **cat filename**



Copying Files and Directories

1

Command

`hdfs dfs -cp /src /dst`

2

Functionality

This command allows you to create a copy of files and directories within HDFS.

3

Usage

You can specify the source and destination paths to execute this operation.

Listing Files and Directories

Command

```
hdfs dfs -ls /path
```

Details

This command provides a detailed list of files and directories present in the specified path in HDFS.

Moving Local Files:

1

Command

`hdfs dfs -put /src /dst`

or

`hdfs dfs -copyFromLocal /src/dst`

2

Function

These commands allows you to move local files into hadoop directory.

Deleting Files and Directories



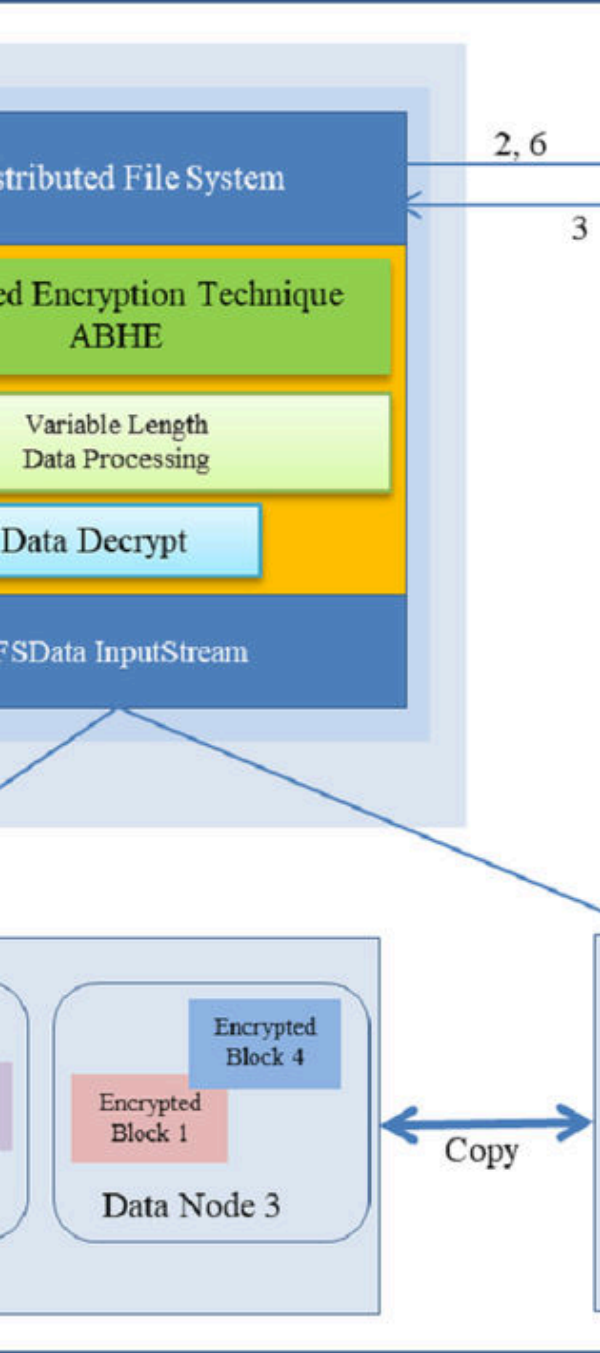
Command

Use **`hdfs dfs -rm /path`** to delete files or directories in HDFS.



Caution

Be cautious as this operation is irreversible.



Downloading Files from HDFS

Command

Use `hdfs dfs -get /hdfs/path /local/path` to download files from HDFS to the local file system.

Changing Permissions and Ownership of Files and Directories

1

Permissions

To change permissions, use the **hdfs dfs -chmod** command with the appropriate options.

2

Ownership

Use **hdfs dfs -chown** to change the owner of files and directories in HDFS.