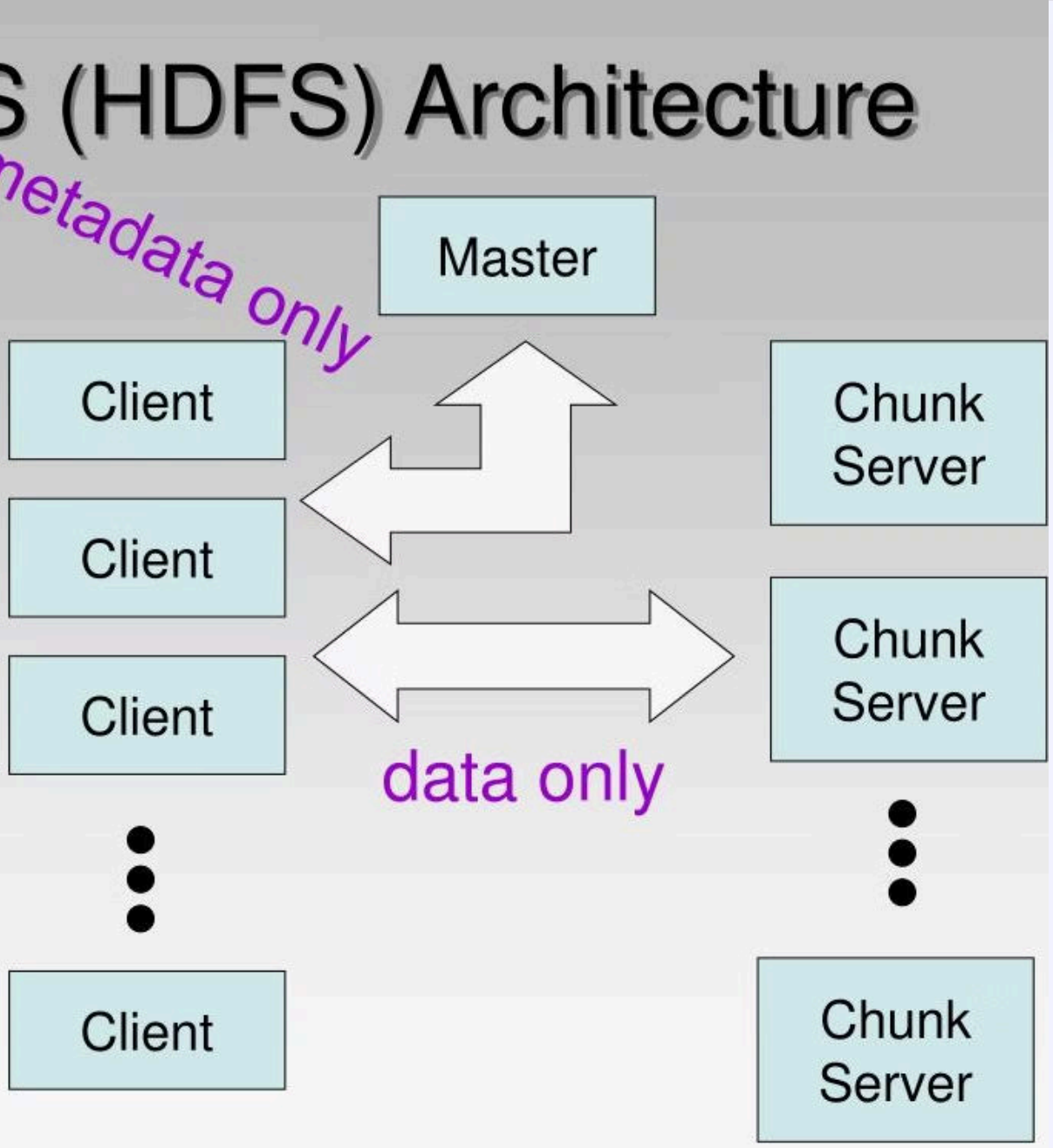


Hadoop and HDFS Basics

When working with Hadoop and HDFS, it's important to understand the fundamental concepts and commands for file management and data processing. This guide provides a step-by-step approach to creating directory structures, moving files between local and HDFS, viewing data contents, and retrieving files from HDFS to the local disk. Let's dive into the details.

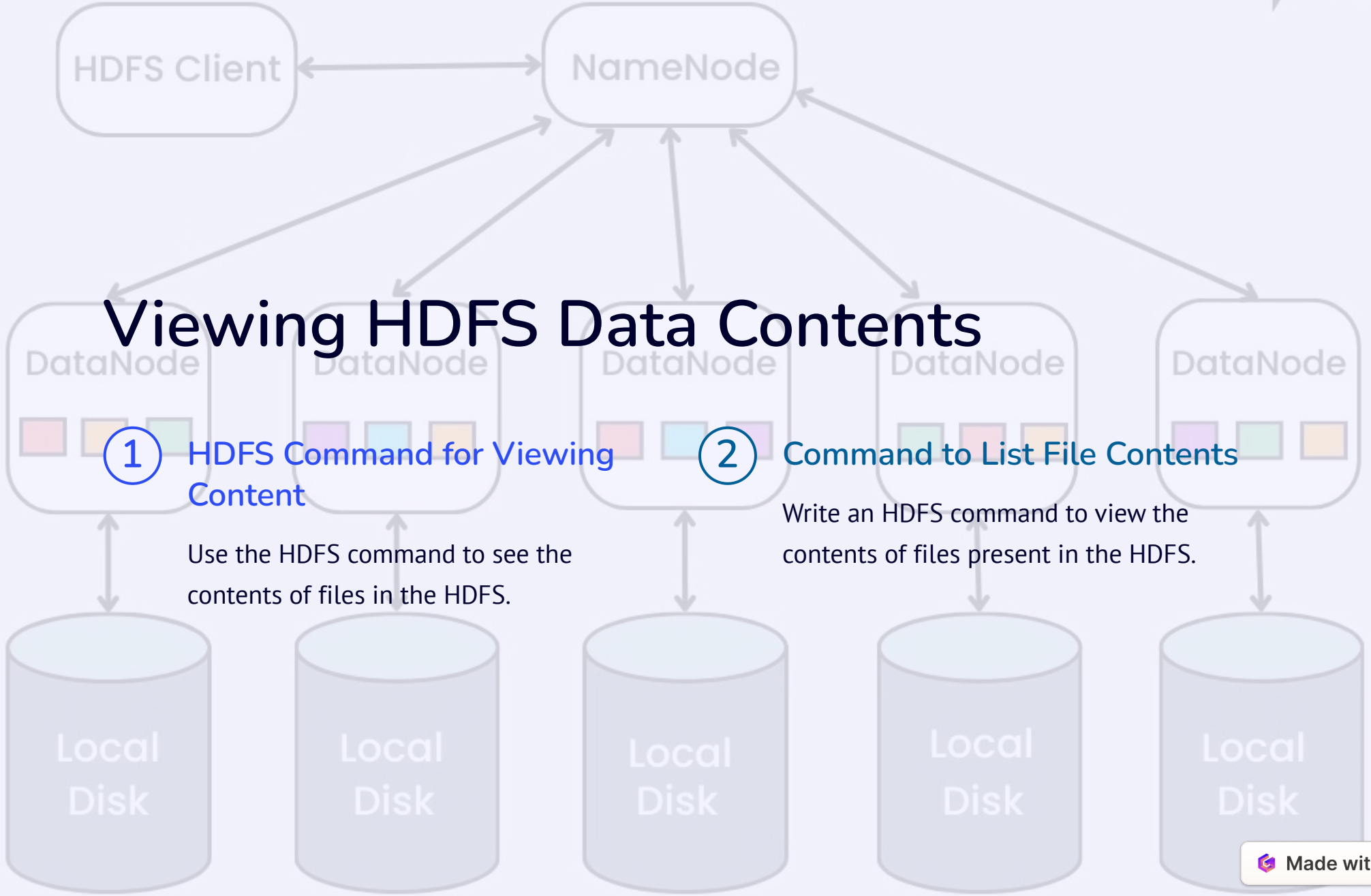
HDFS Directory Structure Creation

1 **Command for Directory Creation**

Using HDFS commands, create a directory structure to organize data efficiently.

2 **Command for File Movement**

Use a command to move files from the local Unix/Linux machine to the HDFS directory.



Viewing HDFS Data Contents

1 HDFS Command for Viewing Content

Use the HDFS command to see the contents of files in the HDFS.

2 Command to List File Contents

Write an HDFS command to view the contents of files present in the HDFS.

Copying Files from HDFS to Local Disk

HDFS Copy Command

Execute an HDFS command to copy files from HDFS to the local file system.

Data Processing with Hadoop Map-Reduce

Map-Reduce Programming

The Hadoop Map-Reduce framework is versatile, allowing programs to be written in various languages.