

Experiment 1

Aim:

Install, configure and run Hadoop and HDFS.

Theory:

Hadoop is a framework for processing big data across a cluster of machines.

HDFS is its storage system.

Installing and Configuring Hadoop entails preparing a cluster with various roles to ensure data distribution and redundancy.

Running Hadoop and HDFS involves executing data replication and processing using map reduce and efficiently managing big data.

Flowchart:

