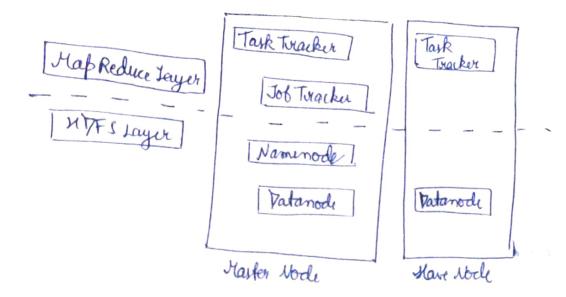
Haute Hadoop is an open source software framework used in a landing which are executed to develop data processing application which are executed in dishibuted computing environment.

It turn on large data sets distributed across cluster of

comodity computer.

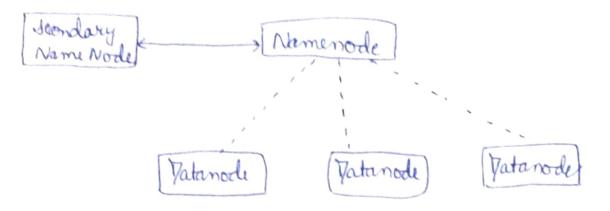
It consist of two sub projects: Hadoop Map Reduce : Map Reduce is a computational model and software framework for writing applications which are own on Hadoop. These programs are Capable of processing enormous data in parallel on large clusters of computation nodes.



HTFs stands for Hadoop Pistributed File System. It is the picknessy data storage system used by Hadoop application It employs a name node and datarrode architecture to implement a distributed file system that provides high performance acces to data across highly scalable Hadoop clusters. All data stored on Hadoop is stored in a distributed manner across a cluster of machine. The properties of MTFs are as follows:o Huge volume: - Being a distributed file system, it is highly capable of storing pentabytes of data without any glitcher.

- · Pata Access: It is based on the philosophy that the most effective data processing pattern is write-one, the read many times pattern.
- · (ost-effative: MPFS vuint on a cluster of commodity hardwise. These are the inexpensive machines that can be bought form any rendor.

The main comfonents of HPFs are:o Name Node
o Pata Node



Mane Mode :-

- o H is a Master daemon
- o It maintains and manager data nodes
- of the vicionals metadata eg location of blocks of data. stored, the size of filer, permission, etc.
- o Receives heartbeat and block report from all the data nodes:

Thata Nodiso H by the slave daemon
o H stores the actual data
o H server wead and with vegues from the client.
o H is versionsible for storing, replicating, delection, etc of blocks.