**Components of Hadoop1.x**

Hadoop1.x has two major components.

1.HDFS

2.Map Reduce

**1.HDFS**

HDFS stands for Hadoop Distributed File System. Actually our huge amount of data is stored in nodes using commodity hardware. Commodity hardware is less expensive.

It has two sub components:

Name node

Data node

**Name node:**

Name node is the master which is used to store the meta data.  
The meta data is the data about data node like how many blocks are stored in data node, slave node details, data node location, time stamp.

**Data node:**

Data node is the slave node. It is used to store the actual data in blocks. The file details are available in data node.

**2.Map Reduce**

Map reduce is used to processing the data. Map reduce also uses the commodity hardware to process the high volume of data at high velocity rate.

Map reduce is also divided into two sub components:

Job Tracker

Task Tracker

**Job Tracker:**

Job Tracker is used to assign the map reduce task to task trackers. It is also assign the same task to another task tracker, if previous task tracker is failed.

**Task Tracker:**

Task Tracker is used to do the task which is assigned by job tracker. It is also send the status about the task to job tracker.