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***Hadoop Notes.***

**hadoop 1 Component**

1. HDFS (Hadoop Distributed File System) :-

is use to Store the Data

1. MapReduce :-

mapreduce is the processing FrameWork

1. Hadoop 1 Demons :

Namenode

Datanode

Secondary NameNode

Job Tracker

Task Tracker

Namenode and Datanode handel the Stroge part

Jobtracker and Task tracker handle the processing part

**hadoop 2 Component**

1. HDFS (Hadoop Distributed File System) :-

is use to Store the Data

1. YARN :- Yet another Resource Negotiator
2. Hadoop 2 Demons :

Namenode

Datanode

Secondary NameNode

Resource Manager

Node Manager

Namenode and Datanode handel the Stroge part

Resource manager and Node Manager handle the processing part.

Hadoop is the Master Slave Architecture **means** the some demons are the Master and Some Demons are the Slave

Master Demon :-

Name Node

Resource Node

Slave Demon :-

Data Node

Node Manager

**Secondary Node :-**

Secondary Name node take the backup Hourly and Stored the Backup in the fsimg

It run on the Master System

It can be used for the Restart the Dead Node

**Mode of Operation :-**

* Stand Alone :
  + This Mode is use for the Learning purpose or Testing Purpose
* Pseudo Distributed :
  + This Mode All Demones means Master Demons And Slave Demons Are Running on one System.
* Fully distributed :
  + In this mode master demon run on the master System and Slave Demons run on the Slave System