omsairam consorivenkatesayanamaha ammahaganedhip toyanamhe omnamalnoshi vayale MADOOP i) large storarge & fast processing. 3) commodity Hardware
3) Cluster Hadorf Storage: HDFS (Hadoop file System) - Perocessing: Map Reduce. - Streaming Access Pattern: HDFS: It is a specially designed file system for storing huge data set with cluster of commodity hardware and with streaming access pattern. > Streaming Access Pattern:
"Write Once read any number of times" HDFS: O normal 4/w block tize; 4KB. @ If 2 kB is used, then remaining 2KB is wasted

3 To store huge files, in 4 kB blocks & track the blocks, it requires to maintain huge meta-data and it is changeable

But in HDFS, defaut block nize 64 MB 4 if 10 MB is used inablock, remaining block can be reclaimed a blocks are less, it creates len meta-data.

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MDF-S

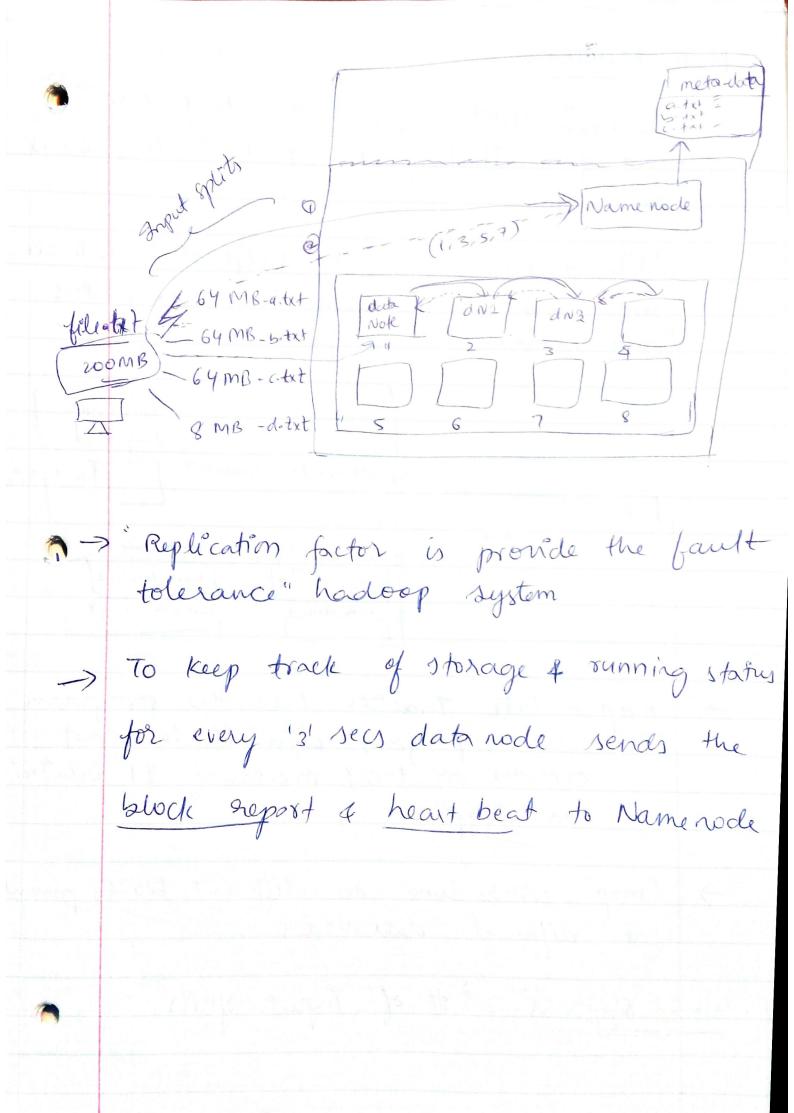
Name node Secondary Namenode master

Job Tracker

Job Tracker

Data Node Task Tracker

I slave I services



Map-Reduce: --> we can write a program to process data and give it to "Job Tracker" to process the data. -> Job Tracker, with the help of Taxle Tracker ours (executes) program in data nodes and oneturns the output. Job Tracker metadata motodata TIOKE Program Task Tracked Task Tracker 2 data Node 2 data Node 4 map: - Takk Tracker takes the program seceived from Jame hode and executes on local machine. It is colled as "Map" -> "Map" will be done on different blocks present at different data Nodes

· No of Mappers" = "# of input splits"

REDUCE ..

-> Combining output of all mappers and enturned by eneducers

> No of output files = No. of Reducers

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