Hadoop is also a frame work. It is open source, apache species of the forest of the basical for storing a for procuring huge data set not small data.

Hadoop 6 used for storing a processing huge date set with cluster & comodity hardstore.

chest the like couptop, pe etc. Be cause of using chest this

It is cheap H/W then it WIII be 1-1-25 erore.

How your are storing data? HDFS dute. 32 Core conferent.

It is specially design a file system for storing lunge data set with cluster of comodity How with streaming access pattern.

write one a read any no. of times but don't change content ef the zires, this is called streamed.

Hoer size

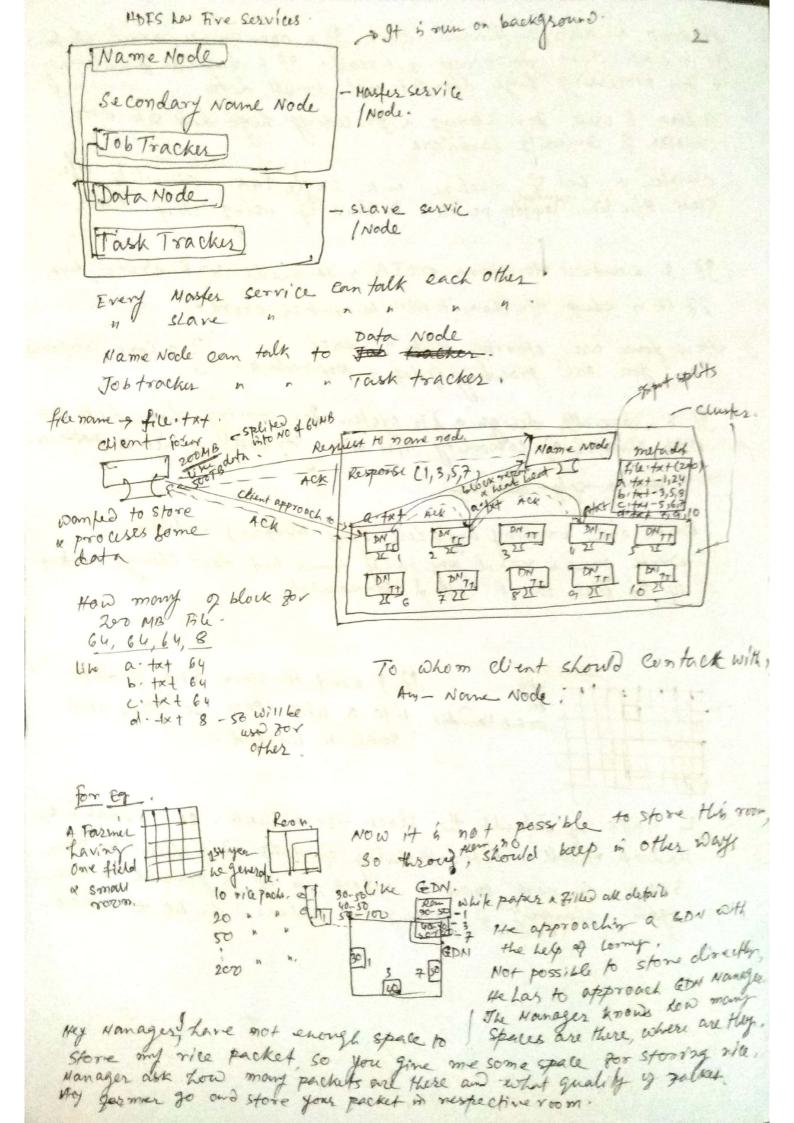
yus

JE 9 want to store 2 hB of data

- to:
500 GeB Hardix wito a 4 hB stace, so other 2 hB

space is wested.

In HOFS by default the block size is 64MB. It is Lapperd by Hodoop install. After Instaling of HOFS it I want to stone 35 MB, so vest space is 20 MB, a It is possible to ose ogain. Charging & setting can extend 64 MB to 120 MB.



3 Détail about dots. Dots about data is métadata. Every date node is cheap H/W.

It the system is joing to be down. To over come this problem, this HDFS given 3 replication. Actually it had be soo MB Pile. The count has to know the replication with the The telp of ach, How this Nomewode know whise artest is stored. In which detarrode. For every short period of time all the slave node give

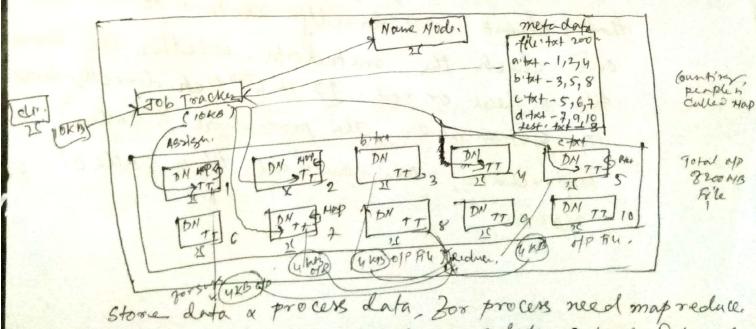
For every short period of time all the stare mode give report to so Normanode, block report a heart beat will fine

L'(still working rative). Every desta node have proper block Report a heat bea

If any of the DN not fining pooper block report a heart beat then, it says that It is dead. It has been removed. After then, it says that It is dead. It has been removed. After removing, a replica will be available, and they will provide report properly. Fraction of second 3rd replica will be create.

It the metadata is lost, simply say that, there is no use of Hadoop. DN are cheap the best NN should be highered system or high reliable them. It NN is not as working then no metadata will work. Keeping of metadata requested NN, but actual storage is DN. It we use 4kB of block, have to maintain 4kB of metadata, so more space. WILL request NN is calling as single point of Faliure.

So, It client want to storne data, he has to contact with MN.



Store data a process data, Zor process need map reduce.

10 NB of Prof. to Process of 200 NB data. Data show brough

to your to cal machine. But In this case 10 NB Will Send

to pata Name. This Will help by Job tracker: Job tracher send reg

to pata Name. This Will help by Job tracker: Job tracher send reg

Jebtrack & used to assigning 50% to tack backer on system. No 1,2,4 the atext is available, but nearest should be choosen by Johrakung. So time will take less if choose neares one. After taking task to file will take less if choose neares one. After taking task by task toneker, Computation will start, so it is called Map: four sub files is called input splits. Those many of no. Mappers will be there, that many no. I input splits there. It is going down, than dota will be lost task tracker will disturb. So this task will be reassign to another replica. How the Jostracke know wheter is dead or alive, or or task town in working or not. All the task tracker send heartheat to Jaktracke Every 3 see tracktracker give heartheat, and after 10 time writing if Nane node is not getting and report, that means its alead or slower some time may task may use for different blocks so, tracktracker will work slowly. So, for that situation

Jobtracker assign task to fastory Jepen, because of less

tasktracking will working on, so It will take less time,

Reducer will combine all mapper ofp. And it the Refuel ofp for 200 HB of olata. Reducer will takecare of that client is directly approach to 878th no. 8 and he is going but back to ofp. Before that, client will directly contact to Namenocle and check the metadorta, whether the fest the file is there or not. It is the then directly comes to system no. 8. This procedure is called Mapreduce, and over all it is called HDFS.