Lec124 paune for breath. construction of the secondaria a promary bore t=2 jo work b 15% wns 2 replica Simlar som hi grahi. were longer than head to proce indoned my) - or house 6 210

We can notice that for weak replication,

its through put get is higher and higher.

when there are more replicar,

which would make sense became for weak

replication client can just tack to any replica,

and there are no guranter that they

would be getting up to dall information.

chain replication ke light bump how 10-11% h,

Do jaho chain replication ka throughful higher h,

why would that be better at that how.

writes takes longer than reads to procen,

writes takes longer than reads to procen,

so, byou would have to spect up the

toad equally among write and reads

toad equally among write and reads

to shound 10-11% barrahio kor

egm la raha hu

The man though I want to hook out is that,

Chain replication provides an advantage our
primary backup replication.

And it turns out that 10-17% writes to actually a fretty common number for typical application.

How do you deal mutu failure? lets talk about promary backup Legan & Brand Marie Manager of the material surger The cuent has to lonow is nom to talk to, and of the promovery were to facil and an that care take from many, Somebody else would have to take oner an the promoty the charge to telling the chart that to be men's a new fromory. So, me mal some sort of proxy, to whom closent, content and i's the proxy top to know thenge and premary.

The replicas themselves have to know who is to an istension filestilla night and day day of the said foreg, in chain replicance estimate of the off the state of the state o Here was a second of the secon Similarly while that may filosof Yarnery Table Abel 2 to (fach member of the chain need to know who who have the member and they should agrel on that too) So, there should be proceed of Someting, come bend of coordinator, whore job is to know. who all the treplicar are involved and what roles are they playing at a given time and keep enerybody the informed of tuose notes it do I trong exp di timo toleras timas in 52 hard like , od to a wind but your want want

The co-ordinator also should be able to detect failures and when a replica fact, His the as ordenator job to ted energloody else what the new configuration is going to bemi me me cood 3 H= my 132 M2 7 = ma co-ordinator do , if the head proo een touls!

then, the co-ordinator just hanto take the

head brocers out of the chain and it just & So what does the fouls ? make the successor the new head of the make the successor claim was as the new he ad. and if fact facts the remover fairle as the new tail. of waterstand with and the

and the first

or what of the co-ordenator tack? > have a maybe having a bunch of co-ordenators Coord Coords Coords Mary which you hope foods independently, but then those coordinators have to be Consertent much each other, So how do you keep them consectent muth each otur I mel are you going to implement homorry backup orcham replication among thou co-ordinators among them as mely and then have co-ordenators for that replicas and soon bhori ge ek informt loop 4 for do

This problem leads to "consensur"

Remember, that the whole found of both chain was replication and hosmory backup replication was to provide strong consentency both replicas,

How wanna have strong consentency both repercas, which is what there protocols.

There wanna have also wanna be.

give you and me also wanna be.

tolerant to tauts

then with mately we end up being reliant on a consens us protocol.

" Consensus is hard and experning one reason for not having one reason for not having consentency strong

"We will storet meter after midter

ely