

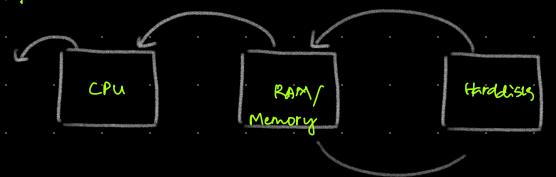
Where's the data on the database 95 Stored?..

Ans: disk

Getting posts of alon is a very common request

This would put pressure on DB 4 also slow down the api

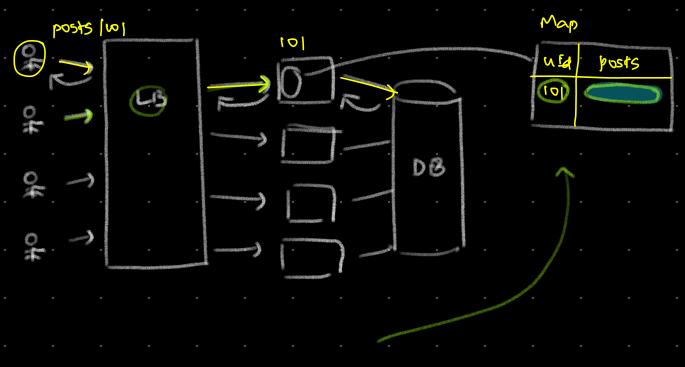
response time.



80 times faster than disis.

Can we do something better?...

171×3 +171×3 = 513 +5.13 = .1026.



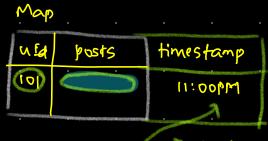
The data is stored on the server itself (RAM)

=) This will speed up the MASS response time

Advantages

- 1) DB boad will reduce
- 2) ADI response is factor.

How to update the cache. -



(101, 11:10pm) > 5 mins,

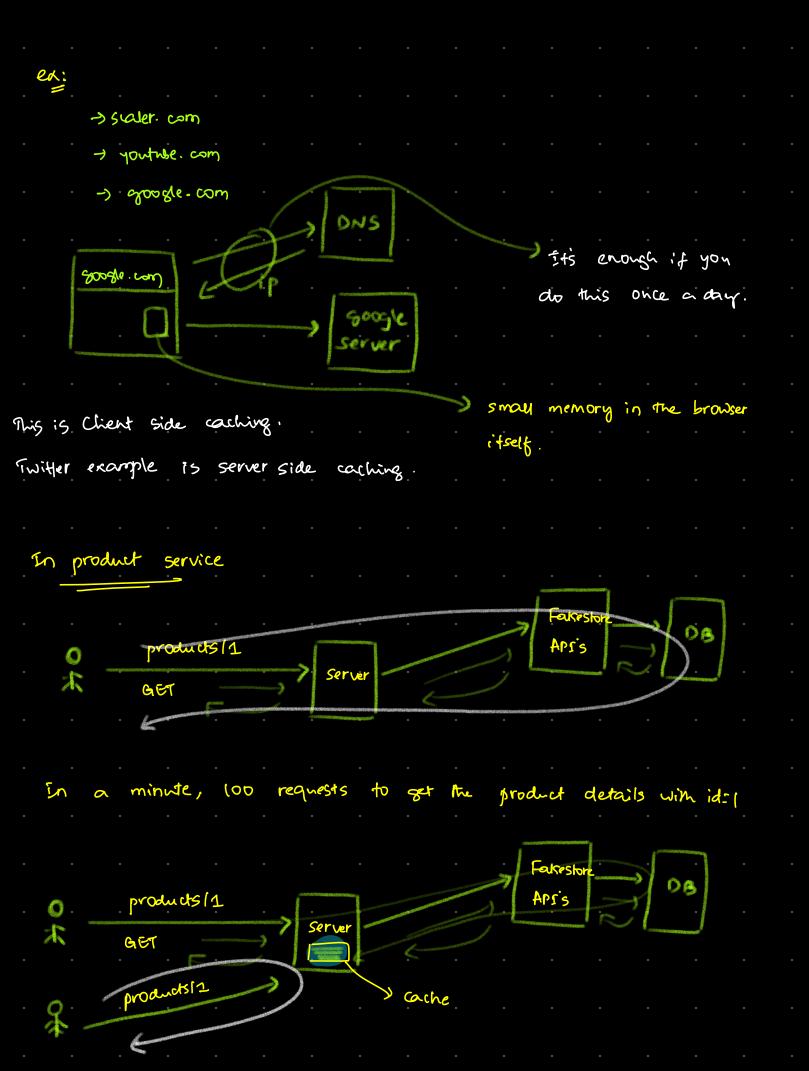
> 5 mins. =) You hit the ab and update

the posts.

(auplicate / processed)

aching. Storing the data in some place so that we don't

have to recalculate it

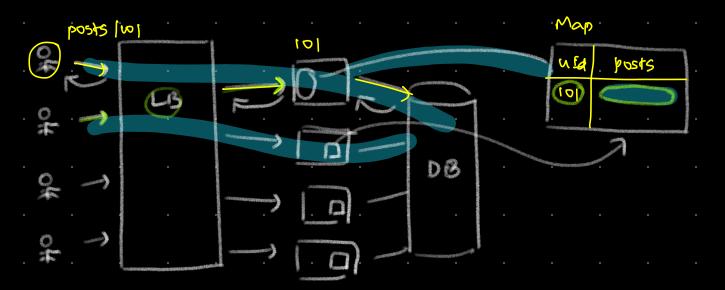


We hit fakestore api only once in a day.

1000 requests, I req. viy hit fakestore (slow)

999 req., they'll set response faster.

Igsue; There's no quarantee that an the requests will go to same server.



luts assume we've 50 servers.

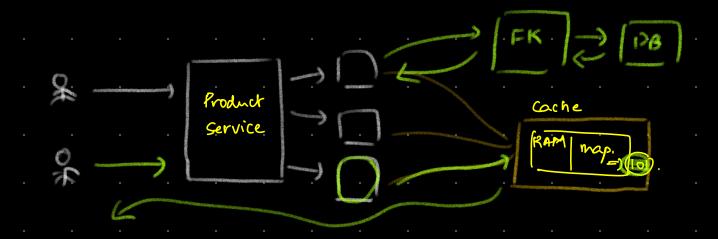
1000 reg are coming, reg's are sent to any the servers,

1000 regis -> 50 are slow (to hit db)

so are faster.

Global cache

instead of caching the data on the app server, we cache the data on a separate machine.



Advantages

- 1. We're avoiding dup on other service
- 2. We're fetching data from memory not from DI3.
- 3. Store the data in the format that uI needs.

. In general, we keep both appⁿ servers 4 the cache server as . close as possible on the data center.

ROBMS -> mysql/Mongo

Cache -> Reais!/Memcache.

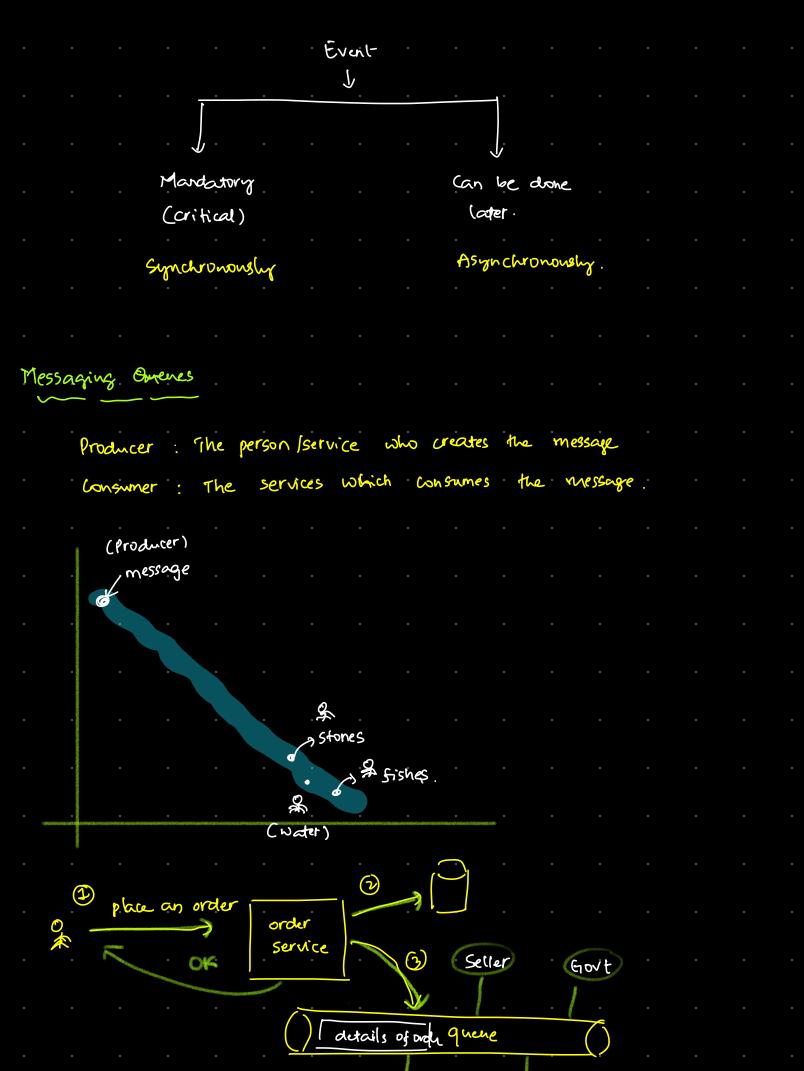
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asynchronously.

(hr video -)

. On the se	rver side						
We sha	oudn't kee	ep he rea	quests a	live too	long.		
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Notif Service Delivery

Order service is aone with its responsibility once it puts the message in the queue.