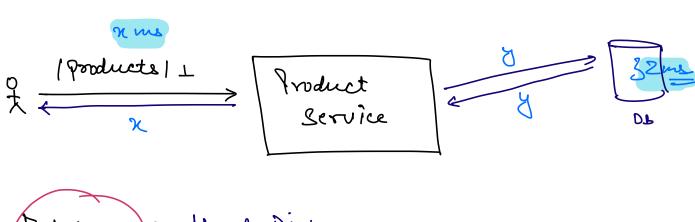


Fig nee place the Database mithin the server, then laterry mill get improved but

- Dost min get tiger.
- 2) How will me keep om DB's in sync.

) Products 1	Product & Service
	Product D Service
	Product D Service
	Product O Service

Cost of RAM 7>77 Cost of 4100-



=> Patabase: Hard Disk.

Stores the data germanently

thand disk access >>>>> PAM access-

Cache.

> Storing some fice of information at some other hardware to optimize the latency.

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=> for the very first time, Browser sends a request to the DDS server to get the IP address of the website.

=> later it caches the IP address inside the Cache.

Carling product with Product Service Volatile - Cache Miss. - Cache Hit -> Cache Eviction Ly Multiple policies are there to evict the data from Cache. -> LRU! Most Commonly used DLC + Map. => Redis is like a Map. < k, v> Category

=> faleestore.

gethoductby 2d (Long id) (Product p= Cacere. get (id); if (P ; = nnll) { return P; Product q = fexestore get (1d) Cacre - fut (id, P); return p;

Map. (B) u>: Having based