

Redis

From Zero → Hero

Real Projects

System Design

Caching

Streams

Queues/
Pub Sub



Level Up
With Suhail

Redis

What is Redis?

Amazingly fast InMemoryDB (NOSQL)

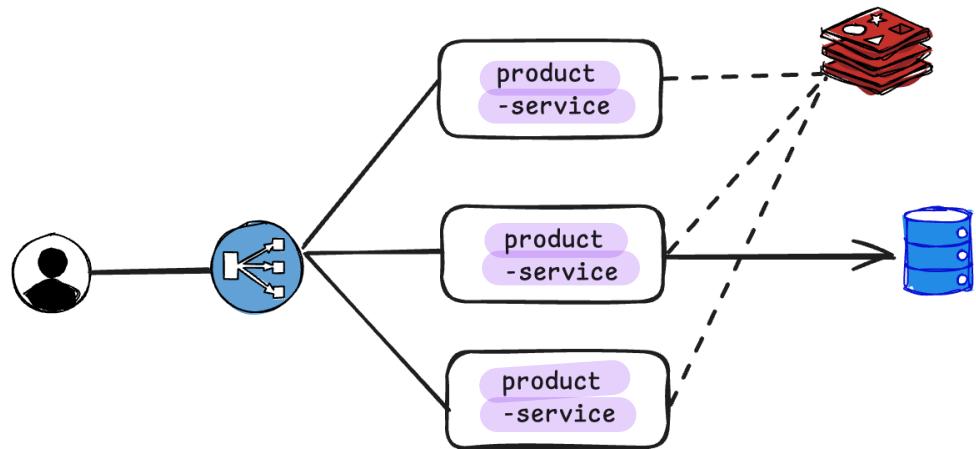
Data-Structure Server

Use Cases:

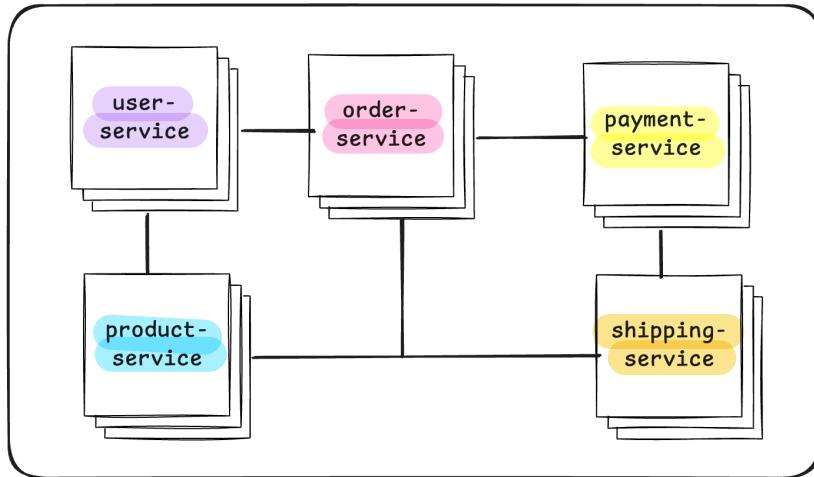
- ◆ *Caching*
- ◆ *Pub/Sub*
- ◆ *Message Queue*
- ◆ *Streaming*
- ◆ *GeoSpatial*
- ◆ _____

Free and open source.

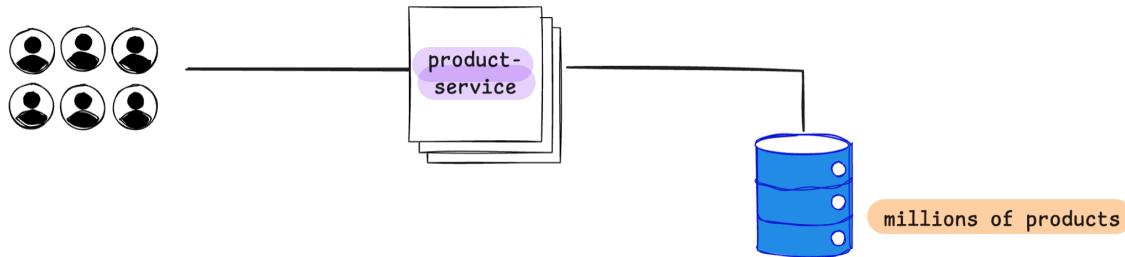
- ◆ *redis.io* - free and open source
- ◆ *redislabs.com* - commercial cloud service.



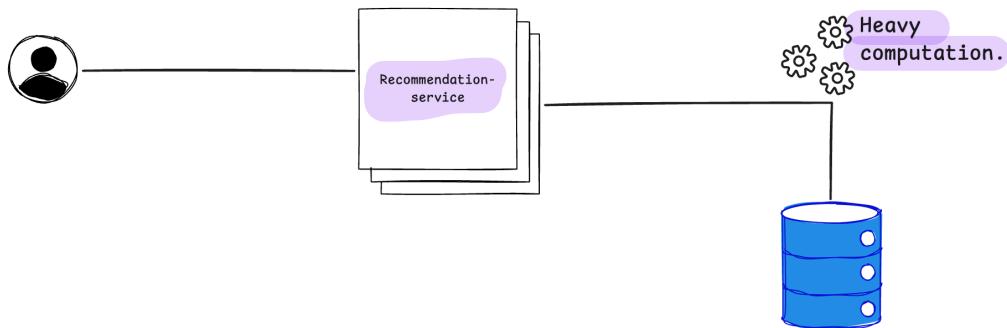
Why do we need Redis and what problems it solves?



Case1- Network Calls

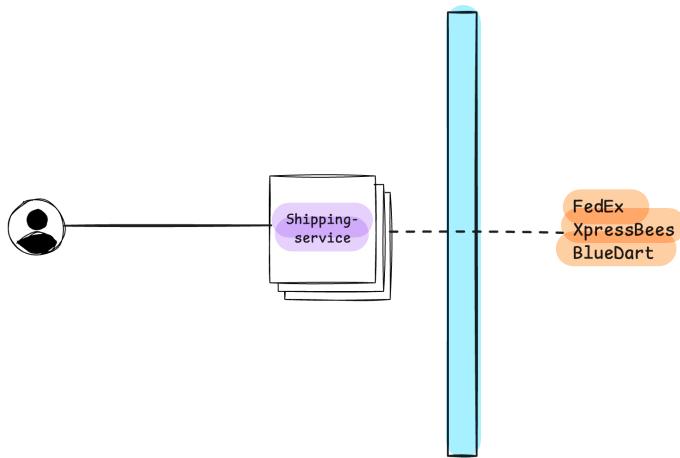


Case2 - Heavy Computation



Level Up
With Suhail

Case3 - External API



Case4 - Trending Info

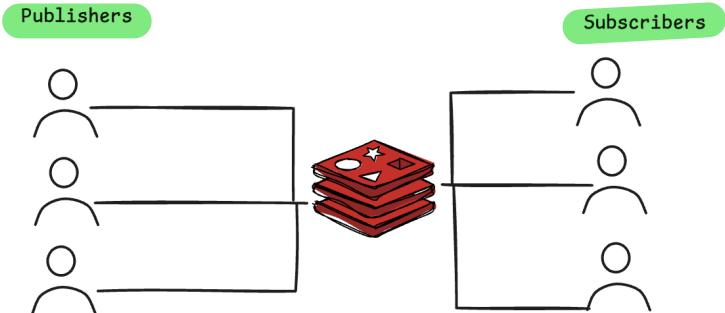
#RohitSharmaCaptain2027WC.

#ViratKohliTheKing

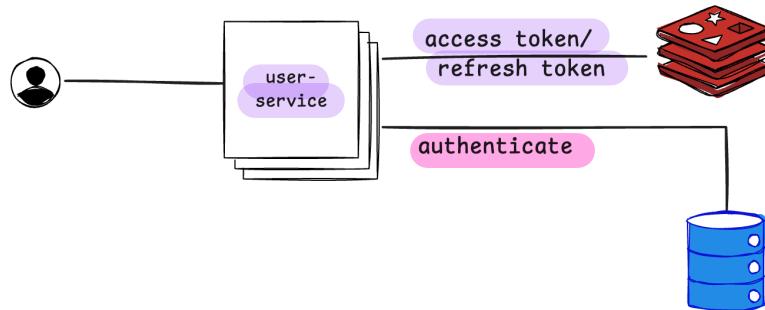
Case5 - Redis as a Message Queue

Real-time notifications, chat messages, or inter-service communication.

e.g. MS Teams, Slack



Case6 - Session Management



**Level Up
With Suhail**

Do Like, Subscribe and Share.

Next video- Redis setup and more practical concepts

Level Up
With Suhail