

# Redis

From Zero → Hero

Real Projects

System Design

Caching

Streams

Queues/  
Pub Sub

**NETFLIX**

**Uber**

bookmyshow

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# Redis

## What is Redis?

Amazingly fast InMemoryDB (NOSQL)

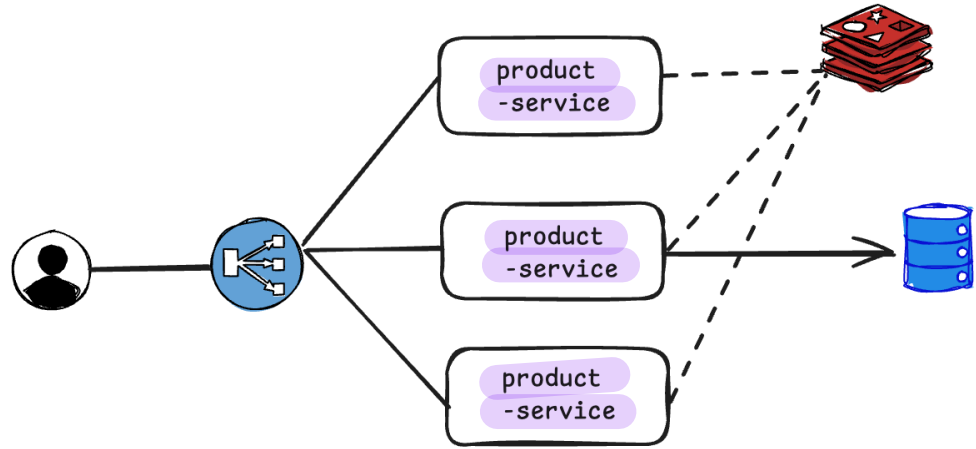
Data-Structure Server

Use Cases:

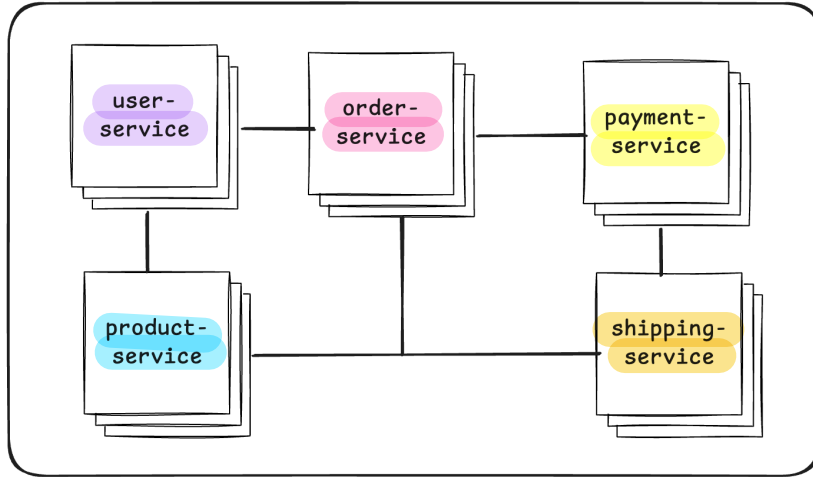
- ♦ *Caching*
- ♦ *Pub/Sub*
- ♦ *Message Queue*
- ♦ *Streaming*
- ♦ *GeoSpatial*
- ♦ ———

Free and open source.

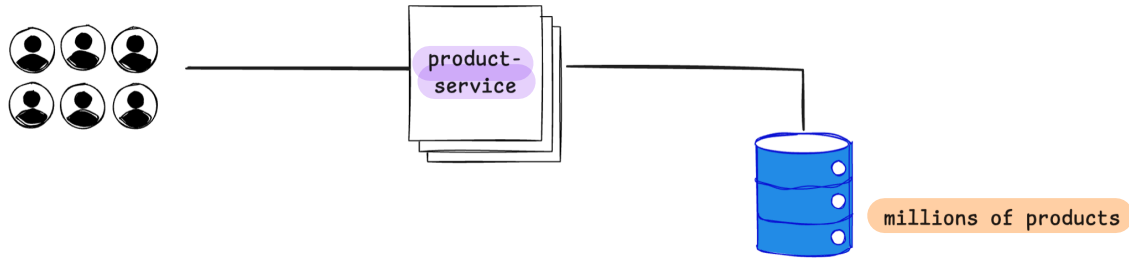
- ♦ *redis.io* - free and open source
- ♦ *redislabs.com* - commercial cloud service.



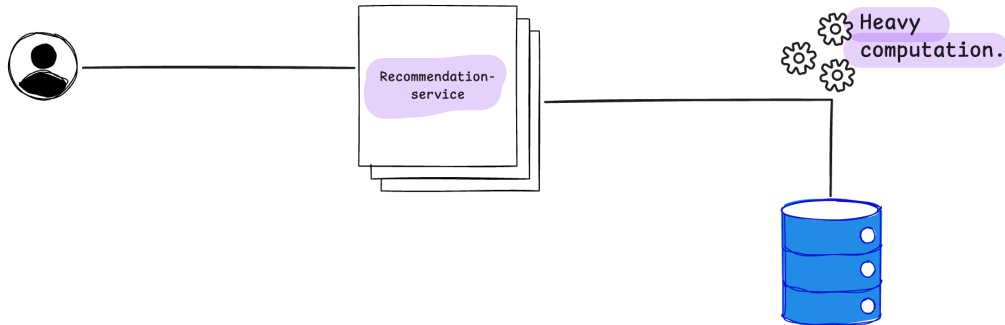
## Why do we need Redis and what problems it solves?



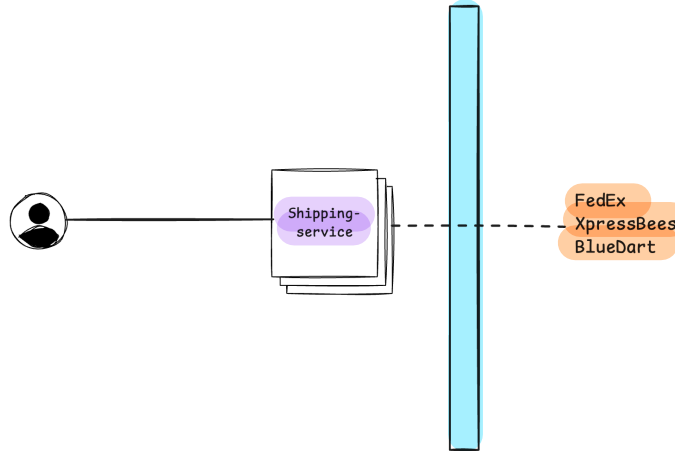
## Case1- Network Calls



## Case2 - Heavy Computation



### Case3 - External API



### Case4 - Trending Info

#RohitSharmaCaptain2027WC.

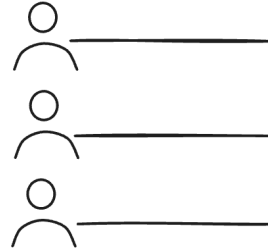
#ViratKohliTheKing

## Case5 - Redis as a Message Queue

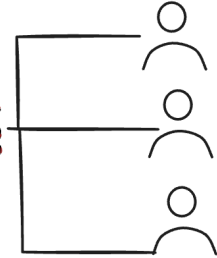
Real-time notifications, chat messages, or inter-service communication.

e.g. MS Teams, Slack

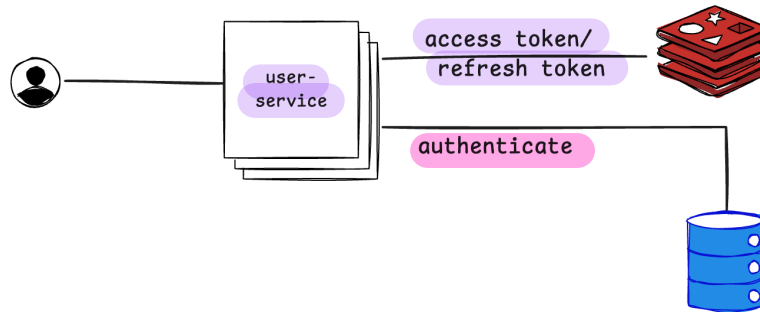
Publishers



Subscribers



## Case6 - Session Management



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Next video- Redis setup and more practical concepts

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