Chat application - Redis introduction

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We will cover with the following concepts

1) What is redis?

2) Why go for redis?

3) Where will we use redis?

Redis is a cache database!

1) **Official definition-**

Redis is an open source (BSD licensed), in-memory data structure store, used as a database, cache and message broker. It supports data structures such as strings, hashes, lists, sets, sorted sets with range queries, bitmaps, hyperloglogs and geospatial indexes with radius queries.

Why redis is becoming popular?

1) It supports multiple kinds of data structures which other cache databases don't

2) It is built to provide highest throughput(millions of operations/second) with the lowest latency(<1ms). In short, Its blazing fast

3) Its distributed very easy and hence its easy to scale up.

4) Comes with bunch of great functionalities like pub-sub, pipelining, transactions etc which make it the obvious choice for its category.

5) [Read more](#)

There are many possible use cases for redis

➔ Let's discuss the example in - Social network, Gaming, E-commerce, Chat applications.

➔ We will be using it in our chat application to keep a track of online users.

The next steps are ...

Redis - Implementation