# Hello!

**I am Esmaeil Kazemi**

I'm interested in learning how are you?

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## NOSQL

## vs

## SQL

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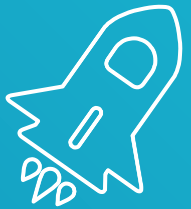
# Redis

Redis stands for Remote Dictionary Server



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# Map Redis

1- Features

2- application

3- data type

4- Message Queue

5- Transactions

6- Pipelining

7- Lua Scripts

8- Persistence

9- Benchmarks

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Transaction-Pipelining-Lue script.pdf

سوالی که در انتها می خواهیم به آن پاسخ بدهیم این است که کدام دیتابیس -in memory مناسب برای ما

## وجود دارد تعداد زیادی دیتابیس های in-memory

- Redis
- Memcached
- CouchDB
- Hazelcast

redis VS HAZELCAST

redis VS HAZELCAST

## Architecture

**Redis** is an in-memory data store that supports data replication and persistence for durability.

**Hazelcast** is an in-memory data grid that provides distributed data structures and supports execution of distributed computations

## Data Model

**Redis** supports multiple data types such as strings, hashes, lists, and sets

**Hazelcast** provides distributed data structures including map, queue, multimap, topic, and lock

redis VS HAZELCAST

## Persistence

**Redis** supports disk persistence, which means it can store data permanently

**Hazelcast** supports persistence through the MapStore and QueueStore interfaces, allowing data to be stored and reloaded

## Scalability

**Redis** offers primary-replica replication, allowing it to scale reads. With Redis Cluster, it can also scale writes.

**Hazelcast** is highly scalable. It allows for dynamic clustering and data partitioning, scaling well for both reads and writes.

## Popular Use Cases

**Redis** is used by Twitter for storing user sessions and timelines, and for real-time analytics, caching, and message brokering

**Hazelcast** is used by financial institutions for low-latency data processing, caching, web session clustering, and distributed computing.

# Thanks!

**Any questions?**

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