Key - Valve Stores

Key - value stores are very similar to hash tables

advantages:

① lower latencies

② Increased throughput

③ Flexible Structure

Non - Relational Database

In contrast with relational database a non - relational database aka NoSQL database is free of imposed tabular structure.

These are generally used for caching and dynamic configuration

Eg:

Etcd:

Used to implement leader - Election in a System

DynamoDB

This is used as a NoSQL database

Zookeper

This is a strong consistent, highly available key-value store. Used to store important configuration or to perform leader election.

Redis

This is an in-memory key-value store used for caching and rate limiting