MongoBD & Redis

memcached vs redis

Memcached is multithreaded and fast.

Redis has lots of features and is very fast, but completely limited to one core as it is based on an event loop.

Memcached is good at being a simple key/value store and is good at doing key => STRING. This makes it really good for session storage.Redis is good at doing key => SOME\_OBJECT.It would not be wrong, if we say that redis is combination of (cache + data structure) while memcached is just a cache.

LRU  - OOP design

Graphical user interface, text, application, email

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AWS: Elastic Cache

Amazon ElastiCache for Redis is a blazing fast in-memory data store that provides sub-millisecond latency to power internet-scale real-time applications. Built on open-source Redis and compatible with the Redis APIs, ElastiCache for Redis works with your Redis clients and uses the open Redis data format to store your data.

A picture containing text

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What is Secondary Index?

A Secondary index is an index that is not a primary index and may have duplicates. eg. Employee name can be example of it. Because Employee name can have similar values.

consider a table of Employees. You commonly want to query by a person's Name, but the Name is typically not the Primary index, because it is not unique (two people with same name). So make secondary index on Name.

What is in-Memory Cache?

Diagram

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