

**Caching** : It is a technique in which we make the copy of the data. It uses primary memory to store the data thus its fast.

**Types :**

- In memory / local cache
- Distributed / External cache : Redis, Aerospike.

**When to use ?**

- Read intensive products
- Static content

**Cache Eviction Techniques**

Deleting the data of the caching, it can be due to the ttl breaching or by manual deletion approach.

**LRU [ Least recently used ]** : deletes the entry that is not used in very long time. This tracking of timing of usage of every element will take more memory.

**MRU [ Most recently used ]** : deletes the most recently used element from the cache.

**LFU [ Least frequently used ]** : deletes the least used element by count.

**LIFO [ Last in First out ]**

**FIFO [ First in First out ]**

**RR [ Random replacement ]** : we evicts the data randomly, no elements have weightage in this.