Lesson5 Redis运维

Agenda

- 架构选型
- •容量评估
- •服务配置
- 故障处理

界构选型

架均选舞

- 扩展性
- 可靠性
- 可控性
- 易用性
- •



架构选型

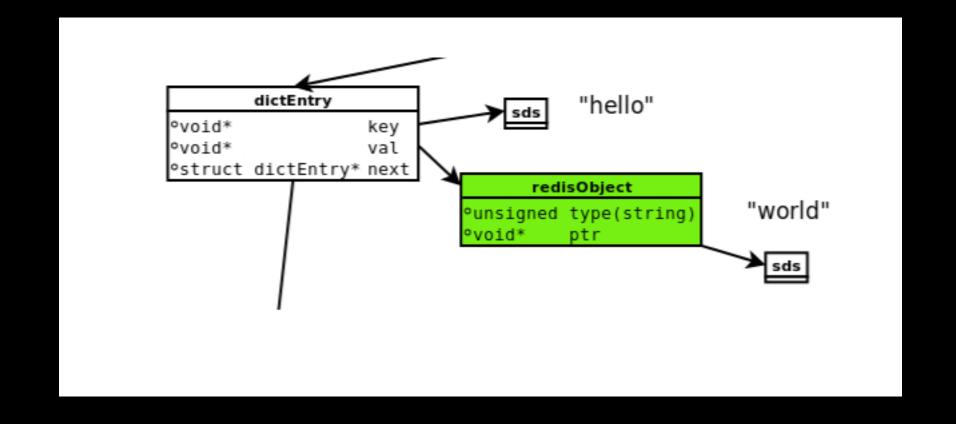


容量许估

我需要多少内存

string 类型的内存大小 = 键值个数 * (dictEntry大小 + redisObject大小 + 包含key的sds大小 + 包含value的sds大小) + bucket个数 * 4

```
if (init) {
    sh = zmalloc(sizeof(struct sdshdr)+initlen+1);
} else {
    sh = zcalloc(sizeof(struct sdshdr)+initlen+1);
}
```



传说中的QPS

- 时间复杂度
- CPU
- 网卡

GET key

Available since 1.0.0.

Time complexity: O(1)

ZREVRANGE key start stop [WITHSCORES

Available since 1.2.0.

Time complexity: O(log(N)+M) with N being the number of elements in the sorted set and M the number of elements returned.

拐奔西引置

maxmemory

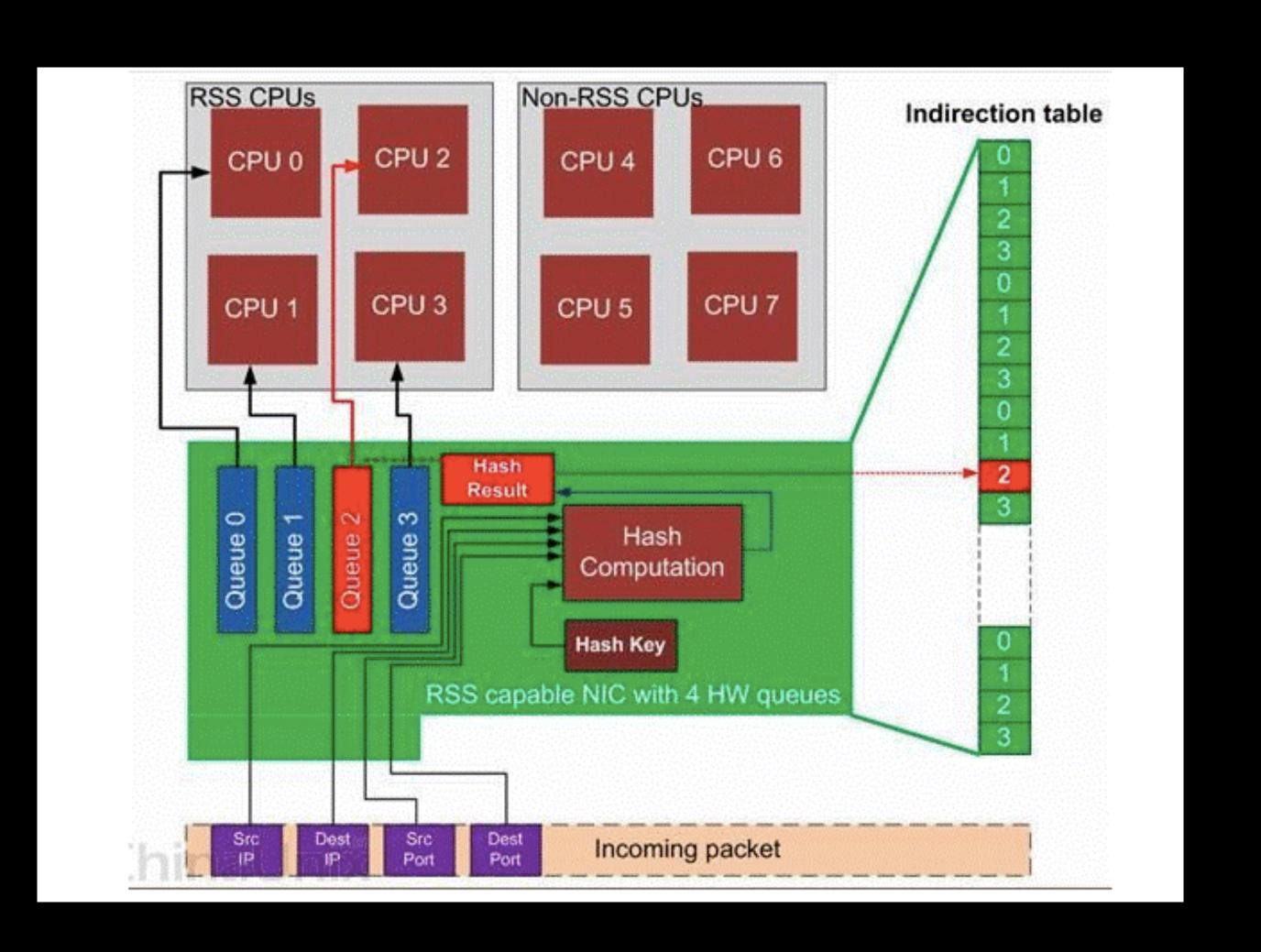
- maxmemory-policy
- maxmemory-samples

SWAP?

forget it



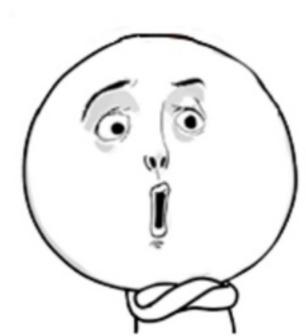
别只关注吞吐量



位级点

别忘了持久化

哦 是吗? 关我什么事呢?



其他远远维

bigkey

- bigkeys, Sample Redis keys looking for big keys
- redis-rdb-tools

keys or scan?

scan 被设计出来用来代替keys

一大几?

谨慎重启

有学片等

Restart

