

# Redis测试说明

## 性能测试

### 测试环境

- macOS Monterey 12.2.1
- 6核16G内存

作为WondKV的对比，我们在相同的环境下进行基准测试。

### 测试方式

1. 运行redis服务。

```
# yurunjie @ RUNJIEYU-MB0 in ~ [23:07:35]
$ redis-server
25190:C 07 Jul 2022 23:07:39.454 # o000o000o000o Redis is starting o000o000o000o
25190:C 07 Jul 2022 23:07:39.454 # Redis version=6.2.5, bits=64, commit=00000000
, modified=0, pid=25190, just started
25190:C 07 Jul 2022 23:07:39.454 # Warning: no config file specified, using the
default config. In order to specify a config file use redis-server /path/to/redi
s.conf
25190:M 07 Jul 2022 23:07:39.455 * Increased maximum number of open files to 100
32 (it was originally set to 2560).
25190:M 07 Jul 2022 23:07:39.455 * monotonic clock: POSIX clock_gettime

Redis 6.2.5 (00000000/0) 64 bit

Running in standalone mode
Port: 6379
PID: 25190
```

2. 使用redis-benchmark进行测试。

```
1 | $ redis-benchmark -t set,get,incr -n 1000000 -q
```

### 测试结果

```
# yurunjie @ RUNJIEYU-MB0 in ~ [23:08:01]
$ redis-benchmark -t set,get,incr -n 1000000 -q
SET: 105674.73 requests per second, p50=0.247 msec
GET: 106450.92 requests per second, p50=0.239 msec
INCR: 107492.20 requests per second, p50=0.239 msec
```

在该测试环境下，redis对于GET和SET请求可以实现1万左右的QPS。