

一、2 个实例，有 Redis

初始 Redis 状态：



测试后 Redis 状态：



测试结果：

```
---- Global Information -----
> request count                200 (OK=106   KO=94   )
> min response time            420 (OK=420   KO=60000 )
> max response time            60001 (OK=57980 KO=60001 )
> mean response time           30753 (OK=4817   KO=60000 )
> std deviation                28995 (OK=12451 KO=0     )
> response time 50th percentile 27577 (OK=1814   KO=60000 )
> response time 75th percentile 60000 (OK=2090   KO=60000 )
> response time 95th percentile 60001 (OK=39753 KO=60001 )
> response time 99th percentile 60001 (OK=57463 KO=60001 )
> mean requests/sec            3.125 (OK=1.656 KO=1.469 )
```

二、4 个实例，有 Redis

初始 Redis 状态：



测试后 Redis 状态：



第一次测试结果：

```
---- Global Information -----
> request count                200 (OK=200   K0=0   )
> min response time            462 (OK=462   K0=-   )
> max response time            52361 (OK=52361 K0=-   )
> mean response time           23523 (OK=23523 K0=-   )
> std deviation                 19913 (OK=19913 K0=-   )
> response time 50th percentile 21901 (OK=21901 K0=-   )
> response time 75th percentile 41626 (OK=41626 K0=-   )
> response time 95th percentile 50464 (OK=50464 K0=-   )
> response time 99th percentile 52016 (OK=52016 K0=-   )
> mean requests/sec            3.704 (OK=3.704 K0=-   )

---- Response Time Distribution -----
> t < 800 ms                   47 ( 24%)
> 800 ms < t < 1200 ms        3 ( 2%)
> t > 1200 ms                  150 ( 75%)
> failed                       0 ( 0%)
=====
```

第二次测试结果（可以看到因为有第一次的缓存，所以第二次响应速度很快）：

```
---- Global Information -----
> request count                200 (OK=200   KO=0   )
> min response time            31 (OK=31    KO=-   )
> max response time            2281 (OK=2281  KO=-   )
> mean response time           906 (OK=906   KO=-   )
> std deviation                645 (OK=645   KO=-   )
> response time 50th percentile 706 (OK=706   KO=-   )
> response time 75th percentile 1466 (OK=1466  KO=-   )
> response time 95th percentile 2063 (OK=2063  KO=-   )
> response time 99th percentile 2274 (OK=2274  KO=-   )
> mean requests/sec            66.667 (OK=66.667 KO=-   )

---- Response Time Distribution -----
> t < 800 ms                   123 ( 62%)
> 800 ms < t < 1200 ms         17 (  9%)
> t > 1200 ms                   60 ( 30%)
> failed                        0 (  0%)
=====
```

三、2 个实例，无 Redis

第一次测试结果：

```
---- Global Information -----
> request count                200 (OK=156   KO=44   )
> min response time            604 (OK=1743   KO=604   )
> max response time            52237 (OK=52237  KO=2083  )
> mean response time           15020 (OK=18909  KO=1232  )
> std deviation                21453 (OK=22831  KO=298   )
> response time 50th percentile 1862 (OK=2017   KO=1197  )
> response time 75th percentile 46372 (OK=48944  KO=1447  )
> response time 95th percentile 51675 (OK=51736  KO=1605  )
> response time 99th percentile 52127 (OK=52172  KO=1879  )
> mean requests/sec            3.636 (OK=2.836   KO=0.8   )

---- Response Time Distribution -----
> t < 800 ms                   0 (  0%)
> 800 ms < t < 1200 ms        0 (  0%)
> t > 1200 ms                  156 ( 78%)
> failed                       44 ( 22%)
```

四、4 个实例，无 Redis

第一次测试结果：

(因为没有 redis 存储 Session，所以会有访问 pi 时返回状态 401 的情况出现)

```
---- Global Information -----
> request count                200 (OK=123   KO=77   )
> min response time            217 (OK=236   KO=217   )
> max response time            11940 (OK=11940 KO=558   )
> mean response time           1552 (OK=2311   KO=340   )
> std deviation                 3237 (OK=3941   KO=63    )
> response time 50th percentile 376 (OK=469   KO=337   )
> response time 75th percentile 548 (OK=574   KO=375   )
> response time 95th percentile 11032 (OK=11200 KO=452   )
> response time 99th percentile 11837 (OK=11840 KO=556   )
> mean requests/sec            15.385 (OK=9.462   KO=5.923 )

---- Response Time Distribution -----
> t < 800 ms                   100 ( 50%)
> 800 ms < t < 1200 ms        0 ( 0%)
> t > 1200 ms                  23 ( 12%)
> failed                       77 ( 39%)

---- Errors -----
> status.find.in(200,201,202,203,204,205,206,207,208,209,304), f      77 (100.0%)
ound 401
=====
```

第二次测试结果：

(因为没有 redis 进行缓存，所以第二次测试的响应速度也不会更快)

```

---- Global Information -----
> request count                200 (OK=128   KO=72   )
> min response time            151 (OK=319   KO=151  )
> max response time            16165 (OK=16165  KO=437  )
> mean response time           2046 (OK=3024   KO=307  )
> std deviation                4200 (OK=4990   KO=42   )
> response time 50th percentile  408 (OK=432   KO=303  )
> response time 75th percentile  441 (OK=625   KO=318  )
> response time 95th percentile 12767 (OK=13807 KO=374  )
> response time 99th percentile 16123 (OK=16135 KO=435  )
> mean requests/sec            11.765 (OK=7.529  KO=4.235 )

---- Response Time Distribution -----
> t < 800 ms                   100 ( 50%)
> 800 ms < t < 1200 ms         0 (  0%)
> t > 1200 ms                   28 ( 14%)
> failed                        72 ( 36%)

---- Errors -----
> status.find.in(200,201,202,203,204,205,206,207,208,209,304), f      72 (100.0%)

ound 401
=====

```