

redis测试

/redis-benchmark -h 127.0.0.1 -p 6379 -c 50 -n 1000 -t get

/redis-benchmark -h 127.0.0.1 -p 6379 -c 50 -n 1000 -t set

10byte--get

```
Summary:
throughput summary: 47619.05 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.607    0.160    0.463    1.407    2.887    3.047
```

20byte-get

```
Summary:
throughput summary: 55555.56 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.473    0.168    0.439    0.727    1.071    1.143
```

50byte-get

```
Summary:
throughput summary: 43478.26 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.707    0.176    0.463    1.279    5.271    5.495
```

100byte-get

```
Summary:
throughput summary: 55555.56 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.473    0.064    0.431    0.759    1.055    1.127
```

200byte-get

```
Summary:
throughput summary: 58823.53 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.470    0.152    0.447    0.743    1.087    1.143
```

1000byte-get

```
Summary:
throughput summary: 55555.56 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
    0.447    0.120    0.415    0.703    0.959    0.999
```

5000byte-get

```
Summary:
throughput summary: 52631.58 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.523    0.168    0.463    1.039    1.295    1.503
```

10byte--set

```
Summary:
throughput summary: 55555.56 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.509    0.152    0.431    1.023    1.319    1.479
```

20byte--set

```
Summary:
throughput summary: 62500.00 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.430    0.056    0.383    0.671    0.959    1.015
```

50byte--set

```
Summary:
throughput summary: 52631.58 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.511    0.296    0.447    0.991    1.311    1.511
```

100byte-set

```
Summary:
throughput summary: 58823.53 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.462    0.184    0.431    0.663    1.079    1.143
```

200byte-set

```
Summary:
throughput summary: 50000.00 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.546    0.144    0.479    0.999    2.119    2.863
```

1000byte-set

```
Summary:
throughput summary: 55555.56 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.488    0.176    0.431    0.903    1.079    1.367
```

5000byte-set

#### Summary:

throughput summary: 55555.56 requests per second

latency summary (msec):

avg	min	p50	p95	p99	max
0.475	0.128	0.431	0.895	1.031	1.079

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before-memory

```
127.0.0.1:6379> info memory
# Memory
used_memory:872048
used_memory_human:851.61K
used_memory_rss:9940992
used_memory_rss_human:9.48M
used_memory_peak:3949096
used_memory_peak_human:3.77M
used_memory_peak_perc:22.08%
used_memory_overhead:830496
used_memory_startup:809920
used_memory_dataset:41552
used_memory_dataset_perc:66.88%
allocator_allocated:1184944
allocator_active:1544192
allocator_resident:6025216
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.30
allocator_frag_bytes:359248
allocator_rss_ratio:3.90
allocator_rss_bytes:4481024
rss_overhead_ratio:1.65
rss_overhead_bytes:3915776
mem_fragmentation_ratio:11.96
mem_fragmentation_bytes:9109960
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20504
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
```

10byte-after-memory

```
# Memory
used_memory:1883088
used_memory_human:1.80M
used_memory_rss:10743808
used_memory_rss_human:10.25M
used_memory_peak:3949096
used_memory_peak_human:3.77M
used_memory_peak_perc:47.68%
used_memory_overhead:1361536
used_memory_startup:809920
used_memory_dataset:521552
used_memory_dataset_perc:48.60%
allocator_allocated:1897784
allocator_active:2191360
allocator_resident:6672384
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.15
allocator_frag_bytes:293576
allocator_rss_ratio:3.04
allocator_rss_bytes:4481024
rss_overhead_ratio:1.61
rss_overhead_bytes:4071424
mem_fragmentation_ratio:5.83
mem_fragmentation_bytes:8901736
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20504
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

20byte-after-memory

```
# Memory
used_memory:2123008
used_memory_human:2.02M
used_memory_rss:11456512
used_memory_rss_human:10.93M
used_memory_peak:3949096
used_memory_peak_human:3.77M
used_memory_peak_perc:53.76%
used_memory_overhead:1361496
used_memory_startup:809920
used_memory_dataset:761512
used_memory_dataset_perc:57.99%
allocator_allocated:2136832
allocator_active:2445312
allocator_resident:7311360
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.14
allocator_frag_bytes:308480
allocator_rss_ratio:2.99
allocator_rss_bytes:4866048
rss_overhead_ratio:1.57
rss_overhead_bytes:4145152
mem_fragmentation_ratio:5.50
mem_fragmentation_bytes:9374520
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20504
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

50byte-after-memory

```
# Memory
used_memory:3163008
used_memory_human:3.02M
used_memory_rss:12169216
used_memory_rss_human:11.61M
used_memory_peak:3949096
used_memory_peak_human:3.77M
used_memory_peak_perc:80.09%
used_memory_overhead:1361488
used_memory_startup:809920
used_memory_dataset:1801520
used_memory_dataset_perc:76.56%
allocator_allocated:3187896
allocator_active:3457024
allocator_resident:8065024
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.08
allocator_frag_bytes:269128
allocator_rss_ratio:2.33
allocator_rss_bytes:4608000
rss_overhead_ratio:1.51
rss_overhead_bytes:4104192
mem_fragmentation_ratio:3.90
mem_fragmentation_bytes:9047232
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20496
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

100byte-after-memory

```
127.0.0.1:6379> info memory
# Memory
used_memory:4763008
used_memory_human:4.54M
used_memory_rss:13656064
used_memory_rss_human:13.02M
used_memory_peak:4784000
used_memory_peak_human:4.56M
used_memory_peak_perc:99.56%
used_memory_overhead:1361488
used_memory_startup:809920
used_memory_dataset:3401520
used_memory_dataset_perc:86.05%
allocator_allocated:4785072
allocator_active:5054464
allocator_resident:9601024
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.06
allocator_frag_bytes:269392
allocator_rss_ratio:1.90
allocator_rss_bytes:4546560
rss_overhead_ratio:1.42
rss_overhead_bytes:4055040
mem_fragmentation_ratio:2.89
mem_fragmentation_bytes:8934080
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20496
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

200byte-after-memory

```
# Memory
used_memory:9243008
used_memory_human:8.81M
used_memory_rss:18374656
used_memory_rss_human:17.52M
used_memory_peak:9264000
used_memory_peak_human:8.83M
used_memory_peak_perc:99.77%
used_memory_overhead:1361488
used_memory_startup:809920
used_memory_dataset:7881520
used_memory_dataset_perc:93.46%
allocator_allocated:9261856
allocator_active:9551872
allocator_resident:14413824
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.03
allocator_frag_bytes:290016
allocator_rss_ratio:1.51
allocator_rss_bytes:4861952
rss_overhead_ratio:1.27
rss_overhead_bytes:3960832
mem_fragmentation_ratio:2.00
mem_fragmentation_bytes:9172672
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20496
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

1000byte-after-memory



```
# Memory
used_memory:37403008
used_memory_human:35.67M
used_memory_rss:46325760
used_memory_rss_human:44.18M
used_memory_peak:37424000
used_memory_peak_human:35.69M
used_memory_peak_perc:99.94%
used_memory_overhead:1361488
used_memory_startup:809920
used_memory_dataset:36041520
used_memory_dataset_perc:98.49%
allocator_allocated:37427600
allocator_active:37728256
allocator_resident:42594304
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.01
allocator_frag_bytes:300656
allocator_rss_ratio:1.13
allocator_rss_bytes:4866048
rss_overhead_ratio:1.09
rss_overhead_bytes:3731456
mem_fragmentation_ratio:1.24
mem_fragmentation_bytes:8963776
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20496
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```

5000byte-after-memory

```
# Memory
used_memory:206363008
used_memory_human:196.80M
used_memory_rss:229974016
used_memory_rss_human:219.32M
used_memory_peak:206384000
used_memory_peak_human:196.82M
used_memory_peak_perc:99.99%
used_memory_overhead:1361488
used_memory_startup:809920
used_memory_dataset:205001520
used_memory_dataset_perc:99.73%
allocator_allocated:206377552
allocator_active:247619584
allocator_resident:253468672
total_system_memory:2841354240
total_system_memory_human:2.65G
used_memory_lua:37888
used_memory_lua_human:37.00K
used_memory_scripts:0
used_memory_scripts_human:0B
number_of_cached_scripts:0
maxmemory:0
maxmemory_human:0B
maxmemory_policy:noeviction
allocator_frag_ratio:1.20
allocator_frag_bytes:41242032
allocator_rss_ratio:1.02
allocator_rss_bytes:5849088
rss_overhead_ratio:0.91
rss_overhead_bytes:-23494656
mem_fragmentation_ratio:1.11
mem_fragmentation_bytes:23652032
mem_not_counted_for_evict:0
mem_replication_backlog:0
mem_clients_slaves:0
mem_clients_normal:20496
mem_aof_buffer:0
mem_allocator:jemalloc-5.1.0
active_defrag_running:0
lazyfree_pending_objects:0
lazyfreed_objects:0
```