

DOCKER WINDOWS & LINUX BELLEK PERFORMANS TESTİ (MEMORY PERFORMANCE TEST)	
Bellek (RAM):	64 GB DDR5 5200 MHz
İşlemci (CPU):	AMD Ryzen 7 7700X
Valkey Docker:	bitnami/valkey:latest
Benchmark komutu (command):	valkey-benchmark -h localhost -p 6379 -n 100000 -c 50 --threads 4
Windows:	Windows 11 Pro 24H2 – x64
Linux:	EndeavourOS 2025.03.19 – x64

TEST NO	WIN11-X64	LINUX-X64	FARK (%)
	Request Per Second (RPS)	Request Per Second (RPS)	Difference (%)
1-FCALL	79936	200000	150,20
2-FUNCTION LOAD	26624	49900	87,42
3-XADD	79936	199600	149,70
4-MSET	66622	133155	99,87
5-LRANGE_600	49925	66622	33,44
6-LRANGE_500	49925	79936	60,11
7- LRANGE_300	66622	99900	49,95
8- LRANGE_100	66622	133333	100,13
9-LPUSH	79872	200000	150,40
10-ZPOPMIN	79936	199600	149,70
11-ZADD	79872	200000	150,40
12-SPOP	79936	199600	149,70
13-HSET	79872	199600	149,90
14-SADD	79936	199600	149,70
15-RPOP	79872	199600	149,90
16-LPOP	79936	200000	150,20
17-RPUSH	79936	199600	149,70
18-LPUSH	79936	200000	150,20
19-INCR	66622	200000	200,20
20-GET	79872	199600	149,90
21-SET	79936	200000	150,20
22-PING_MBULK	79872	200000	150,40
23-PING_INLINE	80000	200000	150,00
Ortalama Fark (Average Difference) (%):			131,80

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===== FCALL =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.039 milliseconds (cumulative count 2)
50.000% <= 0.567 milliseconds (cumulative count 50578)
75.000% <= 0.631 milliseconds (cumulative count 76652)
87.500% <= 0.679 milliseconds (cumulative count 88063)
93.750% <= 0.727 milliseconds (cumulative count 93952)
96.875% <= 0.807 milliseconds (cumulative count 96961)
98.438% <= 0.903 milliseconds (cumulative count 98516)
99.219% <= 0.983 milliseconds (cumulative count 99223)
99.609% <= 1.111 milliseconds (cumulative count 99622)
99.805% <= 1.191 milliseconds (cumulative count 99806)
99.902% <= 1.287 milliseconds (cumulative count 99908)
99.951% <= 1.343 milliseconds (cumulative count 99955)
99.976% <= 1.407 milliseconds (cumulative count 99976)
99.988% <= 1.495 milliseconds (cumulative count 99988)
99.994% <= 1.559 milliseconds (cumulative count 99994)
99.997% <= 1.647 milliseconds (cumulative count 99997)
99.998% <= 1.735 milliseconds (cumulative count 99999)
99.999% <= 1.815 milliseconds (cumulative count 100000)
100.000% <= 1.815 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.120% <= 0.103 milliseconds (cumulative count 120)
0.285% <= 0.207 milliseconds (cumulative count 285)
0.671% <= 0.303 milliseconds (cumulative count 671)
4.340% <= 0.407 milliseconds (cumulative count 4340)
23.312% <= 0.503 milliseconds (cumulative count 23312)
68.061% <= 0.607 milliseconds (cumulative count 68061)
91.855% <= 0.703 milliseconds (cumulative count 91855)
96.961% <= 0.807 milliseconds (cumulative count 96961)
98.516% <= 0.903 milliseconds (cumulative count 98516)
99.299% <= 1.007 milliseconds (cumulative count 99299)
99.602% <= 1.103 milliseconds (cumulative count 99602)
99.828% <= 1.207 milliseconds (cumulative count 99828)
99.922% <= 1.303 milliseconds (cumulative count 99922)
99.976% <= 1.407 milliseconds (cumulative count 99976)
99.989% <= 1.503 milliseconds (cumulative count 99989)
99.996% <= 1.607 milliseconds (cumulative count 99996)
99.998% <= 1.703 milliseconds (cumulative count 99998)
99.999% <= 1.807 milliseconds (cumulative count 99999)
100.000% <= 1.903 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.574    0.032    0.567    0.751    0.951    1.815

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===== FCALL =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 1)
50.000% <= 0.199 milliseconds (cumulative count 59373)
75.000% <= 0.207 milliseconds (cumulative count 89728)
93.750% <= 0.247 milliseconds (cumulative count 93926)
96.875% <= 0.375 milliseconds (cumulative count 96895)
98.438% <= 0.399 milliseconds (cumulative count 98953)
99.219% <= 0.407 milliseconds (cumulative count 99706)
99.805% <= 0.415 milliseconds (cumulative count 99909)
99.951% <= 0.431 milliseconds (cumulative count 99961)
99.976% <= 0.455 milliseconds (cumulative count 99979)
99.988% <= 0.487 milliseconds (cumulative count 99988)
99.994% <= 0.535 milliseconds (cumulative count 99994)
99.997% <= 0.551 milliseconds (cumulative count 99997)
99.998% <= 0.567 milliseconds (cumulative count 99999)
99.999% <= 0.575 milliseconds (cumulative count 100000)
100.000% <= 0.575 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.007% <= 0.103 milliseconds (cumulative count 7)
89.728% <= 0.207 milliseconds (cumulative count 89728)
96.701% <= 0.303 milliseconds (cumulative count 96701)
99.706% <= 0.407 milliseconds (cumulative count 99706)
99.991% <= 0.503 milliseconds (cumulative count 99991)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.207    0.064    0.199    0.263    0.407    0.575

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===== FUNCTION LOAD =====
100000 requests completed in 3.76 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.327 milliseconds (cumulative count 1)
50.000% <= 1.703 milliseconds (cumulative count 52073)
75.000% <= 1.775 milliseconds (cumulative count 76250)
87.500% <= 1.839 milliseconds (cumulative count 87587)
93.750% <= 1.951 milliseconds (cumulative count 93837)
96.875% <= 2.503 milliseconds (cumulative count 96877)
98.438% <= 2.919 milliseconds (cumulative count 98494)
99.219% <= 3.031 milliseconds (cumulative count 99256)
99.609% <= 3.135 milliseconds (cumulative count 99621)
99.805% <= 3.391 milliseconds (cumulative count 99807)
99.902% <= 11.735 milliseconds (cumulative count 99906)
99.951% <= 19.135 milliseconds (cumulative count 99973)
99.976% <= 19.151 milliseconds (cumulative count 99992)
99.994% <= 19.167 milliseconds (cumulative count 99995)
99.997% <= 20.287 milliseconds (cumulative count 99998)
99.998% <= 20.735 milliseconds (cumulative count 99999)
99.999% <= 20.799 milliseconds (cumulative count 100000)
100.000% <= 20.799 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.045% <= 0.407 milliseconds (cumulative count 45)
0.049% <= 0.503 milliseconds (cumulative count 49)
0.054% <= 0.807 milliseconds (cumulative count 54)
0.069% <= 0.903 milliseconds (cumulative count 69)
0.092% <= 1.207 milliseconds (cumulative count 92)
0.152% <= 1.303 milliseconds (cumulative count 152)
0.430% <= 1.407 milliseconds (cumulative count 430)
1.402% <= 1.503 milliseconds (cumulative count 1402)
14.125% <= 1.607 milliseconds (cumulative count 14125)
52.073% <= 1.703 milliseconds (cumulative count 52073)
82.747% <= 1.807 milliseconds (cumulative count 82747)
92.703% <= 1.903 milliseconds (cumulative count 92703)
94.571% <= 2.007 milliseconds (cumulative count 94571)
95.456% <= 2.103 milliseconds (cumulative count 95456)
99.539% <= 3.103 milliseconds (cumulative count 99539)
99.887% <= 4.103 milliseconds (cumulative count 99887)
99.900% <= 5.103 milliseconds (cumulative count 99900)
99.942% <= 12.103 milliseconds (cumulative count 99942)
99.950% <= 14.103 milliseconds (cumulative count 99950)
99.995% <= 20.111 milliseconds (cumulative count 99995)
100.000% <= 21.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 26624.07 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    1.760    0.320    1.703    2.055    2.991    20.799

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===== FUNCTION LOAD =====
100000 requests completed in 2.00 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.263 milliseconds (cumulative count 1)
50.000% <= 0.943 milliseconds (cumulative count 58609)
75.000% <= 0.959 milliseconds (cumulative count 82754)
87.500% <= 0.967 milliseconds (cumulative count 90107)
93.750% <= 0.983 milliseconds (cumulative count 94556)
96.875% <= 1.447 milliseconds (cumulative count 96876)
98.438% <= 1.727 milliseconds (cumulative count 98441)
99.219% <= 1.767 milliseconds (cumulative count 99221)
99.609% <= 1.863 milliseconds (cumulative count 99617)
99.805% <= 1.887 milliseconds (cumulative count 99868)
99.902% <= 1.895 milliseconds (cumulative count 99916)
99.951% <= 1.919 milliseconds (cumulative count 99958)
99.976% <= 1.967 milliseconds (cumulative count 99978)
99.988% <= 2.303 milliseconds (cumulative count 99988)
99.994% <= 2.343 milliseconds (cumulative count 99994)
99.997% <= 2.503 milliseconds (cumulative count 99997)
99.998% <= 2.591 milliseconds (cumulative count 99999)
99.999% <= 2.847 milliseconds (cumulative count 100000)
100.000% <= 2.847 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.001% <= 0.303 milliseconds (cumulative count 1)
0.002% <= 0.607 milliseconds (cumulative count 2)
0.099% <= 0.703 milliseconds (cumulative count 99)
0.449% <= 0.807 milliseconds (cumulative count 449)
5.424% <= 0.903 milliseconds (cumulative count 5424)
96.022% <= 1.007 milliseconds (cumulative count 96022)
96.440% <= 1.103 milliseconds (cumulative count 96440)
96.609% <= 1.207 milliseconds (cumulative count 96609)
96.717% <= 1.303 milliseconds (cumulative count 96717)
96.801% <= 1.407 milliseconds (cumulative count 96801)
96.967% <= 1.503 milliseconds (cumulative count 96967)
97.157% <= 1.607 milliseconds (cumulative count 97157)
97.716% <= 1.703 milliseconds (cumulative count 97716)
99.326% <= 1.807 milliseconds (cumulative count 99326)
99.935% <= 1.903 milliseconds (cumulative count 99935)
99.980% <= 2.007 milliseconds (cumulative count 99980)
99.983% <= 2.103 milliseconds (cumulative count 99983)
100.000% <= 3.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 49900.20 requests per second
latency summary (msec):

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===== XADD =====
 100000 requests completed in 1.25 seconds
 50 parallel clients
 3 bytes payload
 keep alive: 1
 host configuration "save":
 host configuration "appendonly": yes
 multi-thread: yes
 threads: 4

Latency by percentile distribution:
0.000% ≤ 0.167 milliseconds (cumulative count 1)
50.000% ≤ 0.599 milliseconds (cumulative count 52376)
75.000% ≤ 0.647 milliseconds (cumulative count 76320)
87.500% ≤ 0.687 milliseconds (cumulative count 88654)
93.750% ≤ 0.719 milliseconds (cumulative count 93865)
96.875% ≤ 0.759 milliseconds (cumulative count 97167)
98.438% ≤ 0.799 milliseconds (cumulative count 98522)
99.219% ≤ 0.879 milliseconds (cumulative count 99223)
99.609% ≤ 1.095 milliseconds (cumulative count 99612)
99.805% ≤ 1.287 milliseconds (cumulative count 99811)
99.902% ≤ 10.047 milliseconds (cumulative count 99904)
99.951% ≤ 17.743 milliseconds (cumulative count 99953)
99.976% ≤ 17.935 milliseconds (cumulative count 99984)
99.988% ≤ 17.951 milliseconds (cumulative count 99988)
99.994% ≤ 17.967 milliseconds (cumulative count 99996)
99.997% ≤ 17.983 milliseconds (cumulative count 99998)
99.998% ≤ 18.015 milliseconds (cumulative count 99999)
99.999% ≤ 18.159 milliseconds (cumulative count 100000)
100.000% ≤ 18.159 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% ≤ 0.103 milliseconds (cumulative count 0)
0.008% ≤ 0.207 milliseconds (cumulative count 8)
0.052% ≤ 0.303 milliseconds (cumulative count 52)
0.557% ≤ 0.407 milliseconds (cumulative count 557)
17.535% ≤ 0.503 milliseconds (cumulative count 17535)
56.551% ≤ 0.607 milliseconds (cumulative count 56551)
91.600% ≤ 0.703 milliseconds (cumulative count 91600)
98.664% ≤ 0.807 milliseconds (cumulative count 98664)
99.342% ≤ 0.903 milliseconds (cumulative count 99342)
99.513% ≤ 1.007 milliseconds (cumulative count 99513)
99.616% ≤ 1.103 milliseconds (cumulative count 99616)
99.727% ≤ 1.207 milliseconds (cumulative count 99727)
99.827% ≤ 1.303 milliseconds (cumulative count 99827)
99.873% ≤ 1.407 milliseconds (cumulative count 99873)
99.894% ≤ 1.503 milliseconds (cumulative count 99894)
99.895% ≤ 1.607 milliseconds (cumulative count 99895)
99.897% ≤ 1.703 milliseconds (cumulative count 99897)
99.899% ≤ 2.007 milliseconds (cumulative count 99899)
99.900% ≤ 3.103 milliseconds (cumulative count 99900)
99.911% ≤ 10.103 milliseconds (cumulative count 99911)
99.950% ≤ 11.103 milliseconds (cumulative count 99950)
99.999% ≤ 18.111 milliseconds (cumulative count 99999)
100.000% ≤ 19.103 milliseconds (cumulative count 100000)

Summary:
 throughput summary: 79936.05 requests per second
 latency summary (msec):

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===== XADD =====
 100000 requests completed in 0.50 seconds
 50 parallel clients
 3 bytes payload
 keep alive: 1
 host configuration "save":
 host configuration "appendonly": yes
 multi-thread: yes
 threads: 4

Latency by percentile distribution:
0.000% <= 0.087 milliseconds (cumulative count 1)
50.000% <= 0.239 milliseconds (cumulative count 77807)
87.500% <= 0.247 milliseconds (cumulative count 91371)
93.750% <= 0.263 milliseconds (cumulative count 94122)
96.875% <= 0.327 milliseconds (cumulative count 97306)
98.438% <= 0.383 milliseconds (cumulative count 98462)
99.219% <= 0.471 milliseconds (cumulative count 99436)
99.609% <= 0.479 milliseconds (cumulative count 99702)
99.805% <= 0.487 milliseconds (cumulative count 99855)
99.902% <= 0.503 milliseconds (cumulative count 99907)
99.951% <= 0.775 milliseconds (cumulative count 99952)
99.976% <= 0.807 milliseconds (cumulative count 99976)
99.988% <= 0.815 milliseconds (cumulative count 99993)
99.994% <= 0.823 milliseconds (cumulative count 99996)
99.997% <= 0.831 milliseconds (cumulative count 99997)
99.998% <= 0.871 milliseconds (cumulative count 99999)
99.999% <= 1.127 milliseconds (cumulative count 100000)
100.000% <= 1.127 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.006% <= 0.103 milliseconds (cumulative count 6)
0.611% <= 0.207 milliseconds (cumulative count 611)
95.939% <= 0.303 milliseconds (cumulative count 95939)
98.522% <= 0.407 milliseconds (cumulative count 98522)
99.907% <= 0.503 milliseconds (cumulative count 99907)
99.944% <= 0.607 milliseconds (cumulative count 99944)
99.949% <= 0.703 milliseconds (cumulative count 99949)
99.976% <= 0.807 milliseconds (cumulative count 99976)
99.999% <= 0.903 milliseconds (cumulative count 99999)
100.000% <= 1.207 milliseconds (cumulative count 100000)

Summary:
 throughput summary: 199600.80 requests per second
 latency summary (msec):
      avg      min      p50      p95      p99      max
      0.240    0.080    0.239    0.279    0.463    1.127

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===== MSET (10 keys) =====
100000 requests completed in 1.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 1)
50.000% <= 0.711 milliseconds (cumulative count 51513)
75.000% <= 0.759 milliseconds (cumulative count 76968)
87.500% <= 0.799 milliseconds (cumulative count 88189)
93.750% <= 0.871 milliseconds (cumulative count 93833)
96.875% <= 0.975 milliseconds (cumulative count 97096)
98.438% <= 1.023 milliseconds (cumulative count 98524)
99.219% <= 1.087 milliseconds (cumulative count 99240)
99.609% <= 1.239 milliseconds (cumulative count 99612)
99.805% <= 1.391 milliseconds (cumulative count 99806)
99.902% <= 1.471 milliseconds (cumulative count 99909)
99.951% <= 1.527 milliseconds (cumulative count 99952)
99.976% <= 1.639 milliseconds (cumulative count 99977)
99.988% <= 1.719 milliseconds (cumulative count 99988)
99.994% <= 1.799 milliseconds (cumulative count 99995)
99.997% <= 1.831 milliseconds (cumulative count 99997)
99.998% <= 1.919 milliseconds (cumulative count 99999)
99.999% <= 1.999 milliseconds (cumulative count 100000)
100.000% <= 1.999 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.003% <= 0.103 milliseconds (cumulative count 3)
0.016% <= 0.207 milliseconds (cumulative count 16)
0.047% <= 0.303 milliseconds (cumulative count 47)
0.149% <= 0.407 milliseconds (cumulative count 149)
0.458% <= 0.503 milliseconds (cumulative count 458)
6.485% <= 0.607 milliseconds (cumulative count 6485)
46.964% <= 0.703 milliseconds (cumulative count 46964)
89.504% <= 0.807 milliseconds (cumulative count 89504)
94.748% <= 0.903 milliseconds (cumulative count 94748)
98.126% <= 1.007 milliseconds (cumulative count 98126)
99.293% <= 1.103 milliseconds (cumulative count 99293)
99.554% <= 1.207 milliseconds (cumulative count 99554)
99.702% <= 1.303 milliseconds (cumulative count 99702)
99.819% <= 1.407 milliseconds (cumulative count 99819)
99.938% <= 1.503 milliseconds (cumulative count 99938)
99.967% <= 1.607 milliseconds (cumulative count 99967)
99.986% <= 1.703 milliseconds (cumulative count 99986)
99.995% <= 1.807 milliseconds (cumulative count 99995)
99.998% <= 1.903 milliseconds (cumulative count 99998)
100.000% <= 2.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 66622.25 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.720    0.064    0.711    0.919    1.055    1.999

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===== MSET (10 keys) =====
100000 requests completed in 0.75 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.103 milliseconds (cumulative count 1)
50.000% <= 0.319 milliseconds (cumulative count 78859)
87.500% <= 0.327 milliseconds (cumulative count 90784)
93.750% <= 0.343 milliseconds (cumulative count 93824)
96.875% <= 0.439 milliseconds (cumulative count 96894)
98.438% <= 0.487 milliseconds (cumulative count 98513)
99.219% <= 0.615 milliseconds (cumulative count 99311)
99.609% <= 0.631 milliseconds (cumulative count 99772)
99.805% <= 0.639 milliseconds (cumulative count 99925)
99.951% <= 0.647 milliseconds (cumulative count 99961)
99.976% <= 0.671 milliseconds (cumulative count 99980)
99.988% <= 0.695 milliseconds (cumulative count 99988)
99.994% <= 0.775 milliseconds (cumulative count 99994)
99.997% <= 0.799 milliseconds (cumulative count 99997)
99.998% <= 0.823 milliseconds (cumulative count 99999)
99.999% <= 0.983 milliseconds (cumulative count 100000)
100.000% <= 0.983 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.001% <= 0.103 milliseconds (cumulative count 1)
0.013% <= 0.207 milliseconds (cumulative count 13)
14.154% <= 0.303 milliseconds (cumulative count 14154)
96.734% <= 0.407 milliseconds (cumulative count 96734)
98.869% <= 0.503 milliseconds (cumulative count 98869)
99.161% <= 0.607 milliseconds (cumulative count 99161)
99.990% <= 0.703 milliseconds (cumulative count 99990)
99.997% <= 0.807 milliseconds (cumulative count 99997)
99.999% <= 0.903 milliseconds (cumulative count 99999)
100.000% <= 1.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 133155.80 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.320    0.096    0.319    0.367    0.559    0.983

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===== LRANGE_600 (first 600 elements) =====
100000 requests completed in 2.00 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.127 milliseconds (cumulative count 1)
50.000% <= 0.815 milliseconds (cumulative count 52060)
75.000% <= 0.911 milliseconds (cumulative count 75210)
87.500% <= 0.991 milliseconds (cumulative count 88243)
93.750% <= 1.047 milliseconds (cumulative count 93912)
96.875% <= 1.103 milliseconds (cumulative count 97004)
98.438% <= 1.175 milliseconds (cumulative count 98478)
99.219% <= 1.271 milliseconds (cumulative count 99263)
99.609% <= 1.359 milliseconds (cumulative count 99627)
99.805% <= 1.487 milliseconds (cumulative count 99807)
99.902% <= 2.039 milliseconds (cumulative count 99904)
99.951% <= 3.175 milliseconds (cumulative count 99952)
99.976% <= 3.511 milliseconds (cumulative count 99976)
99.988% <= 3.639 milliseconds (cumulative count 99988)
99.994% <= 3.751 milliseconds (cumulative count 99994)
99.997% <= 3.823 milliseconds (cumulative count 99997)
99.998% <= 3.879 milliseconds (cumulative count 99999)
99.999% <= 3.951 milliseconds (cumulative count 100000)
100.000% <= 3.951 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.013% <= 0.207 milliseconds (cumulative count 13)
0.119% <= 0.303 milliseconds (cumulative count 119)
0.689% <= 0.407 milliseconds (cumulative count 689)
2.425% <= 0.503 milliseconds (cumulative count 2425)
9.696% <= 0.607 milliseconds (cumulative count 9696)
24.924% <= 0.703 milliseconds (cumulative count 24924)
49.962% <= 0.807 milliseconds (cumulative count 49962)
73.666% <= 0.903 milliseconds (cumulative count 73666)
90.067% <= 1.007 milliseconds (cumulative count 90067)
97.004% <= 1.103 milliseconds (cumulative count 97004)
98.804% <= 1.207 milliseconds (cumulative count 98804)
99.432% <= 1.303 milliseconds (cumulative count 99432)
99.727% <= 1.407 milliseconds (cumulative count 99727)
99.814% <= 1.503 milliseconds (cumulative count 99814)
99.855% <= 1.607 milliseconds (cumulative count 99855)
99.867% <= 1.703 milliseconds (cumulative count 99867)
99.878% <= 1.807 milliseconds (cumulative count 99878)
99.889% <= 1.903 milliseconds (cumulative count 99889)
99.900% <= 2.007 milliseconds (cumulative count 99900)
99.910% <= 2.103 milliseconds (cumulative count 99910)
99.950% <= 3.103 milliseconds (cumulative count 99950)
100.000% <= 4.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 49925.11 requests per second
latency summary (msec):

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===== LRANGE_600 (first 600 elements) =====
100000 requests completed in 1.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 1)
50.000% <= 0.567 milliseconds (cumulative count 50107)
75.000% <= 0.639 milliseconds (cumulative count 75153)
87.500% <= 0.695 milliseconds (cumulative count 88714)
93.750% <= 0.735 milliseconds (cumulative count 93856)
96.875% <= 0.799 milliseconds (cumulative count 97088)
98.438% <= 0.871 milliseconds (cumulative count 98513)
99.219% <= 0.935 milliseconds (cumulative count 99302)
99.609% <= 0.983 milliseconds (cumulative count 99635)
99.805% <= 1.023 milliseconds (cumulative count 99825)
99.902% <= 1.063 milliseconds (cumulative count 99918)
99.951% <= 1.095 milliseconds (cumulative count 99952)
99.976% <= 1.143 milliseconds (cumulative count 99980)
99.988% <= 1.191 milliseconds (cumulative count 99989)
99.994% <= 1.311 milliseconds (cumulative count 99994)
99.997% <= 1.407 milliseconds (cumulative count 99997)
99.998% <= 1.431 milliseconds (cumulative count 99999)
99.999% <= 1.439 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.004% <= 0.103 milliseconds (cumulative count 4)
0.198% <= 0.207 milliseconds (cumulative count 198)
1.640% <= 0.303 milliseconds (cumulative count 1640)
8.542% <= 0.407 milliseconds (cumulative count 8542)
28.376% <= 0.503 milliseconds (cumulative count 28376)
64.309% <= 0.607 milliseconds (cumulative count 64309)
89.876% <= 0.703 milliseconds (cumulative count 89876)
97.285% <= 0.807 milliseconds (cumulative count 97285)
98.931% <= 0.903 milliseconds (cumulative count 98931)
99.752% <= 1.007 milliseconds (cumulative count 99752)
99.959% <= 1.103 milliseconds (cumulative count 99959)
99.990% <= 1.207 milliseconds (cumulative count 99990)
99.993% <= 1.303 milliseconds (cumulative count 99993)
99.997% <= 1.407 milliseconds (cumulative count 99997)
100.000% <= 1.503 milliseconds (cumulative count 100000)

Summary:
throughput summary: 66622.25 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.566    0.064    0.567    0.751    0.911    1.439

```

```

===== LRANGE_500 (first 500 elements) =====
100000 requests completed in 2.00 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.143 milliseconds (cumulative count 2)
50.000% <= 0.743 milliseconds (cumulative count 51576)
75.000% <= 0.839 milliseconds (cumulative count 76349)
87.500% <= 0.903 milliseconds (cumulative count 88067)
93.750% <= 0.951 milliseconds (cumulative count 94046)
96.875% <= 0.991 milliseconds (cumulative count 96961)
98.438% <= 1.039 milliseconds (cumulative count 98572)
99.219% <= 1.087 milliseconds (cumulative count 99234)
99.609% <= 1.159 milliseconds (cumulative count 99636)
99.805% <= 1.223 milliseconds (cumulative count 99806)
99.902% <= 1.359 milliseconds (cumulative count 99909)
99.951% <= 2.607 milliseconds (cumulative count 99952)
99.976% <= 2.895 milliseconds (cumulative count 99976)
99.988% <= 2.991 milliseconds (cumulative count 99988)
99.994% <= 3.063 milliseconds (cumulative count 99994)
99.997% <= 3.103 milliseconds (cumulative count 99997)
99.998% <= 3.175 milliseconds (cumulative count 99999)
99.999% <= 3.207 milliseconds (cumulative count 100000)
100.000% <= 3.207 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.012% <= 0.207 milliseconds (cumulative count 12)
0.113% <= 0.303 milliseconds (cumulative count 113)
0.695% <= 0.407 milliseconds (cumulative count 695)
3.776% <= 0.503 milliseconds (cumulative count 3776)
17.123% <= 0.607 milliseconds (cumulative count 17123)
39.670% <= 0.703 milliseconds (cumulative count 39670)
69.476% <= 0.807 milliseconds (cumulative count 69476)
88.067% <= 0.903 milliseconds (cumulative count 88067)
97.657% <= 1.007 milliseconds (cumulative count 97657)
99.349% <= 1.103 milliseconds (cumulative count 99349)
99.768% <= 1.207 milliseconds (cumulative count 99768)
99.882% <= 1.303 milliseconds (cumulative count 99882)
99.923% <= 1.407 milliseconds (cumulative count 99923)
99.937% <= 1.503 milliseconds (cumulative count 99937)
99.945% <= 1.607 milliseconds (cumulative count 99945)
99.949% <= 1.703 milliseconds (cumulative count 99949)
99.950% <= 2.007 milliseconds (cumulative count 99950)
99.997% <= 3.103 milliseconds (cumulative count 99997)
100.000% <= 4.103 milliseconds (cumulative count 100000)

```

```

Summary:
throughput summary: 49925.11 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.741    0.136    0.743    0.967    1.071    3.207
LRANGE_600 (first 600 elements): rps=50788.8 (overall: 50788.8) avg_mse

```

```

===== LRANGE_500 (first 500 elements) =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.095 milliseconds (cumulative count 2)
50.000% <= 0.495 milliseconds (cumulative count 51967)
75.000% <= 0.551 milliseconds (cumulative count 75244)
87.500% <= 0.599 milliseconds (cumulative count 88368)
93.750% <= 0.639 milliseconds (cumulative count 94650)
96.875% <= 0.663 milliseconds (cumulative count 96934)
98.438% <= 0.711 milliseconds (cumulative count 98608)
99.219% <= 0.759 milliseconds (cumulative count 99250)
99.609% <= 0.815 milliseconds (cumulative count 99660)
99.805% <= 0.855 milliseconds (cumulative count 99819)
99.902% <= 0.887 milliseconds (cumulative count 99908)
99.951% <= 0.927 milliseconds (cumulative count 99959)
99.976% <= 0.951 milliseconds (cumulative count 99976)
99.988% <= 0.999 milliseconds (cumulative count 99988)
99.994% <= 1.031 milliseconds (cumulative count 99994)
99.997% <= 1.079 milliseconds (cumulative count 99997)
99.998% <= 1.111 milliseconds (cumulative count 99999)
99.999% <= 1.143 milliseconds (cumulative count 100000)
100.000% <= 1.143 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.002% <= 0.103 milliseconds (cumulative count 2)
0.117% <= 0.207 milliseconds (cumulative count 117)
2.130% <= 0.303 milliseconds (cumulative count 2130)
17.885% <= 0.407 milliseconds (cumulative count 17885)
55.431% <= 0.503 milliseconds (cumulative count 55431)
89.769% <= 0.607 milliseconds (cumulative count 89769)
98.426% <= 0.703 milliseconds (cumulative count 98426)
99.608% <= 0.807 milliseconds (cumulative count 99608)
99.933% <= 0.903 milliseconds (cumulative count 99933)
99.988% <= 1.007 milliseconds (cumulative count 99988)
99.997% <= 1.103 milliseconds (cumulative count 99997)
100.000% <= 1.207 milliseconds (cumulative count 100000)

```

```

Cumulative distribution of latencies:
0.002% <= 0.103 milliseconds (cumulative count 2)
0.117% <= 0.207 milliseconds (cumulative count 117)
2.130% <= 0.303 milliseconds (cumulative count 2130)
17.885% <= 0.407 milliseconds (cumulative count 17885)
55.431% <= 0.503 milliseconds (cumulative count 55431)
89.769% <= 0.607 milliseconds (cumulative count 89769)
98.426% <= 0.703 milliseconds (cumulative count 98426)
99.608% <= 0.807 milliseconds (cumulative count 99608)
99.933% <= 0.903 milliseconds (cumulative count 99933)
99.988% <= 1.007 milliseconds (cumulative count 99988)
99.997% <= 1.103 milliseconds (cumulative count 99997)
100.000% <= 1.207 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.492    0.088    0.495    0.647    0.743    1.143

```

```

===== LRANGE_300 (first 300 elements) =====
100000 requests completed in 1.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.111 milliseconds (cumulative count 1)
50.000% <= 0.583 milliseconds (cumulative count 50341)
75.000% <= 0.679 milliseconds (cumulative count 76604)
87.500% <= 0.735 milliseconds (cumulative count 88711)
93.750% <= 0.775 milliseconds (cumulative count 94645)
96.875% <= 0.807 milliseconds (cumulative count 97222)
98.438% <= 0.839 milliseconds (cumulative count 98513)
99.219% <= 0.879 milliseconds (cumulative count 99228)
99.609% <= 0.927 milliseconds (cumulative count 99622)
99.805% <= 0.991 milliseconds (cumulative count 99818)
99.902% <= 1.071 milliseconds (cumulative count 99904)
99.951% <= 2.943 milliseconds (cumulative count 99952)
99.976% <= 3.207 milliseconds (cumulative count 99977)
99.988% <= 3.279 milliseconds (cumulative count 99988)
99.994% <= 3.343 milliseconds (cumulative count 99994)
99.997% <= 3.423 milliseconds (cumulative count 99997)
99.998% <= 3.471 milliseconds (cumulative count 99999)
99.999% <= 3.495 milliseconds (cumulative count 100000)
100.000% <= 3.495 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.054% <= 0.207 milliseconds (cumulative count 54)
0.547% <= 0.303 milliseconds (cumulative count 547)
6.416% <= 0.407 milliseconds (cumulative count 6416)
26.196% <= 0.503 milliseconds (cumulative count 26196)
57.551% <= 0.607 milliseconds (cumulative count 57551)
82.147% <= 0.703 milliseconds (cumulative count 82147)
97.222% <= 0.807 milliseconds (cumulative count 97222)
99.446% <= 0.903 milliseconds (cumulative count 99446)
99.845% <= 1.007 milliseconds (cumulative count 99845)
99.924% <= 1.103 milliseconds (cumulative count 99924)
99.947% <= 1.207 milliseconds (cumulative count 99947)
99.950% <= 1.303 milliseconds (cumulative count 99950)
99.960% <= 3.103 milliseconds (cumulative count 99960)
100.000% <= 4.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 66622.25 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.588    0.104    0.583    0.783    0.871    3.495

```

```

===== LRANGE_300 (first 300 elements) =====
100000 requests completed in 1.00 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.063 milliseconds (cumulative count 1)
50.000% <= 0.391 milliseconds (cumulative count 52068)
75.000% <= 0.447 milliseconds (cumulative count 76750)
87.500% <= 0.479 milliseconds (cumulative count 87747)
93.750% <= 0.503 milliseconds (cumulative count 94764)
96.875% <= 0.519 milliseconds (cumulative count 97689)
98.438% <= 0.527 milliseconds (cumulative count 98546)
99.219% <= 0.543 milliseconds (cumulative count 99427)
99.609% <= 0.551 milliseconds (cumulative count 99631)
99.805% <= 0.567 milliseconds (cumulative count 99815)
99.902% <= 0.583 milliseconds (cumulative count 99910)
99.951% <= 0.607 milliseconds (cumulative count 99954)
99.976% <= 0.631 milliseconds (cumulative count 99976)
99.988% <= 0.663 milliseconds (cumulative count 99988)
99.994% <= 0.719 milliseconds (cumulative count 99996)
99.997% <= 0.743 milliseconds (cumulative count 99999)
99.999% <= 0.759 milliseconds (cumulative count 100000)
100.000% <= 0.759 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.006% <= 0.103 milliseconds (cumulative count 6)
0.156% <= 0.207 milliseconds (cumulative count 156)
10.089% <= 0.303 milliseconds (cumulative count 10089)
60.290% <= 0.407 milliseconds (cumulative count 60290)
94.764% <= 0.503 milliseconds (cumulative count 94764)
99.954% <= 0.607 milliseconds (cumulative count 99954)
99.993% <= 0.703 milliseconds (cumulative count 99993)
100.000% <= 0.807 milliseconds (cumulative count 100000)

Summary:
throughput summary: 99900.09 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.392    0.056    0.391    0.511    0.535    0.759

```

```

===== LRANGE_100 (first 100 elements) =====
100000 requests completed in 1.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.063 milliseconds (cumulative count 1)
50.000% <= 0.631 milliseconds (cumulative count 52383)
75.000% <= 0.687 milliseconds (cumulative count 77552)
87.500% <= 0.727 milliseconds (cumulative count 88276)
93.750% <= 0.775 milliseconds (cumulative count 94341)
96.875% <= 0.831 milliseconds (cumulative count 97150)
98.438% <= 0.895 milliseconds (cumulative count 98537)
99.219% <= 1.103 milliseconds (cumulative count 99222)
99.609% <= 1.247 milliseconds (cumulative count 99627)
99.805% <= 1.311 milliseconds (cumulative count 99809)
99.902% <= 1.367 milliseconds (cumulative count 99908)
99.951% <= 1.407 milliseconds (cumulative count 99952)
99.976% <= 1.447 milliseconds (cumulative count 99979)
99.988% <= 1.487 milliseconds (cumulative count 99988)
99.994% <= 1.511 milliseconds (cumulative count 99994)
99.997% <= 1.527 milliseconds (cumulative count 99997)
99.998% <= 1.551 milliseconds (cumulative count 99999)
99.999% <= 1.559 milliseconds (cumulative count 100000)
100.000% <= 1.559 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.014% <= 0.103 milliseconds (cumulative count 14)
0.067% <= 0.207 milliseconds (cumulative count 67)
0.153% <= 0.303 milliseconds (cumulative count 153)
1.267% <= 0.407 milliseconds (cumulative count 1267)
8.812% <= 0.503 milliseconds (cumulative count 8812)
40.543% <= 0.607 milliseconds (cumulative count 40543)
82.691% <= 0.703 milliseconds (cumulative count 82691)
96.171% <= 0.807 milliseconds (cumulative count 96171)
98.622% <= 0.903 milliseconds (cumulative count 98622)
99.014% <= 1.007 milliseconds (cumulative count 99014)
99.222% <= 1.103 milliseconds (cumulative count 99222)
99.518% <= 1.207 milliseconds (cumulative count 99518)
99.787% <= 1.303 milliseconds (cumulative count 99787)
99.952% <= 1.407 milliseconds (cumulative count 99952)
99.993% <= 1.503 milliseconds (cumulative count 99993)
100.000% <= 1.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 66622.25 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.630     0.056     0.631     0.791     0.999     1.559

```

```

===== LRANGE_100 (first 100 elements) =====
100000 requests completed in 0.75 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.079 milliseconds (cumulative count 1)
50.000% <= 0.247 milliseconds (cumulative count 65500)
75.000% <= 0.255 milliseconds (cumulative count 76695)
87.500% <= 0.335 milliseconds (cumulative count 88177)
93.750% <= 0.359 milliseconds (cumulative count 94128)
96.875% <= 0.423 milliseconds (cumulative count 96875)
98.438% <= 0.479 milliseconds (cumulative count 98912)
99.219% <= 0.487 milliseconds (cumulative count 99388)
99.609% <= 0.495 milliseconds (cumulative count 99702)
99.805% <= 0.503 milliseconds (cumulative count 99869)
99.902% <= 0.511 milliseconds (cumulative count 99950)
99.951% <= 0.519 milliseconds (cumulative count 99972)
99.976% <= 0.527 milliseconds (cumulative count 99985)
99.988% <= 0.535 milliseconds (cumulative count 99992)
99.994% <= 0.551 milliseconds (cumulative count 99997)
99.997% <= 0.575 milliseconds (cumulative count 99999)
99.999% <= 0.583 milliseconds (cumulative count 100000)
100.000% <= 0.583 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.004% <= 0.103 milliseconds (cumulative count 4)
2.252% <= 0.207 milliseconds (cumulative count 2252)
83.228% <= 0.303 milliseconds (cumulative count 83228)
96.669% <= 0.407 milliseconds (cumulative count 96669)
99.869% <= 0.503 milliseconds (cumulative count 99869)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 133333.33 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.261     0.072     0.247     0.367     0.487     0.583

```

```

===== LPUSH (needed to benchmark LRANGE) =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.063 milliseconds (cumulative count 1)
50.000% <= 0.511 milliseconds (cumulative count 50773)
75.000% <= 0.559 milliseconds (cumulative count 75574)
87.500% <= 0.615 milliseconds (cumulative count 88076)
93.750% <= 0.671 milliseconds (cumulative count 93987)
96.875% <= 0.711 milliseconds (cumulative count 97011)
98.438% <= 0.759 milliseconds (cumulative count 98458)
99.219% <= 0.855 milliseconds (cumulative count 99248)
99.609% <= 1.007 milliseconds (cumulative count 99619)
99.805% <= 1.159 milliseconds (cumulative count 99808)
99.902% <= 1.295 milliseconds (cumulative count 99914)
99.951% <= 1.343 milliseconds (cumulative count 99953)
99.976% <= 1.391 milliseconds (cumulative count 99976)
99.988% <= 1.463 milliseconds (cumulative count 99988)
99.994% <= 1.503 milliseconds (cumulative count 99994)
99.997% <= 1.535 milliseconds (cumulative count 99997)
99.998% <= 1.551 milliseconds (cumulative count 99999)
99.999% <= 2.071 milliseconds (cumulative count 100000)
100.000% <= 2.071 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.006% <= 0.103 milliseconds (cumulative count 6)
0.052% <= 0.207 milliseconds (cumulative count 52)
0.303% <= 0.303 milliseconds (cumulative count 303)
5.250% <= 0.407 milliseconds (cumulative count 5250)
46.383% <= 0.503 milliseconds (cumulative count 46383)
87.077% <= 0.607 milliseconds (cumulative count 87077)
96.536% <= 0.703 milliseconds (cumulative count 96536)
99.032% <= 0.807 milliseconds (cumulative count 99032)
99.387% <= 0.903 milliseconds (cumulative count 99387)
99.619% <= 1.007 milliseconds (cumulative count 99619)
99.751% <= 1.103 milliseconds (cumulative count 99751)
99.828% <= 1.207 milliseconds (cumulative count 99828)
99.926% <= 1.303 milliseconds (cumulative count 99926)
99.979% <= 1.407 milliseconds (cumulative count 99979)
99.994% <= 1.503 milliseconds (cumulative count 99994)
99.999% <= 1.607 milliseconds (cumulative count 99999)
100.000% <= 2.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.521    0.056    0.511    0.687    0.807    2.071

```

```

===== LPUSH (needed to benchmark LRANGE) =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.055 milliseconds (cumulative count 1)
50.000% <= 0.215 milliseconds (cumulative count 70951)
75.000% <= 0.223 milliseconds (cumulative count 84867)
87.500% <= 0.231 milliseconds (cumulative count 87901)
93.750% <= 0.255 milliseconds (cumulative count 95665)
96.875% <= 0.279 milliseconds (cumulative count 97567)
98.438% <= 0.295 milliseconds (cumulative count 98572)
99.219% <= 0.415 milliseconds (cumulative count 99324)
99.609% <= 0.431 milliseconds (cumulative count 99812)
99.902% <= 0.447 milliseconds (cumulative count 99919)
99.951% <= 0.479 milliseconds (cumulative count 99958)
99.976% <= 0.495 milliseconds (cumulative count 99976)
99.988% <= 0.503 milliseconds (cumulative count 99988)
99.994% <= 0.527 milliseconds (cumulative count 99994)
99.997% <= 0.583 milliseconds (cumulative count 99997)
99.998% <= 0.639 milliseconds (cumulative count 99999)
99.999% <= 0.671 milliseconds (cumulative count 100000)
100.000% <= 0.671 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.005% <= 0.103 milliseconds (cumulative count 5)
29.399% <= 0.207 milliseconds (cumulative count 29399)
98.637% <= 0.303 milliseconds (cumulative count 98637)
99.119% <= 0.407 milliseconds (cumulative count 99119)
99.988% <= 0.503 milliseconds (cumulative count 99988)
99.998% <= 0.607 milliseconds (cumulative count 99998)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.218    0.048    0.215    0.255    0.391    0.671

```

```

===== ZPOPMIN =====
 100000 requests completed in 1.25 seconds
 50 parallel clients
 3 bytes payload
 keep alive: 1
 host configuration "save":
 host configuration "appendonly": yes
 multi-thread: yes
 threads: 4

Latency by percentile distribution:
0.000% <= 0.063 milliseconds (cumulative count 2)
50.000% <= 0.527 milliseconds (cumulative count 53730)
75.000% <= 0.575 milliseconds (cumulative count 75107)
87.500% <= 0.623 milliseconds (cumulative count 87778)
93.750% <= 0.663 milliseconds (cumulative count 93773)
96.875% <= 0.719 milliseconds (cumulative count 97061)
98.438% <= 0.823 milliseconds (cumulative count 98457)
99.219% <= 0.959 milliseconds (cumulative count 99237)
99.609% <= 1.055 milliseconds (cumulative count 99624)
99.805% <= 1.135 milliseconds (cumulative count 99806)
99.902% <= 1.223 milliseconds (cumulative count 99909)
99.951% <= 1.287 milliseconds (cumulative count 99956)
99.976% <= 1.343 milliseconds (cumulative count 99976)
99.988% <= 1.399 milliseconds (cumulative count 99989)
99.994% <= 1.447 milliseconds (cumulative count 99994)
99.997% <= 1.575 milliseconds (cumulative count 99998)
99.998% <= 1.607 milliseconds (cumulative count 99999)
99.999% <= 1.695 milliseconds (cumulative count 100000)
100.000% <= 1.695 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.034% <= 0.103 milliseconds (cumulative count 34)
0.191% <= 0.207 milliseconds (cumulative count 191)
0.581% <= 0.303 milliseconds (cumulative count 581)
7.255% <= 0.407 milliseconds (cumulative count 7255)
41.170% <= 0.503 milliseconds (cumulative count 41170)
84.111% <= 0.607 milliseconds (cumulative count 84111)
96.553% <= 0.703 milliseconds (cumulative count 96553)
98.313% <= 0.807 milliseconds (cumulative count 98313)
98.966% <= 0.903 milliseconds (cumulative count 98966)
99.456% <= 1.007 milliseconds (cumulative count 99456)
99.747% <= 1.103 milliseconds (cumulative count 99747)
99.898% <= 1.207 milliseconds (cumulative count 99898)
99.966% <= 1.303 milliseconds (cumulative count 99966)
99.989% <= 1.407 milliseconds (cumulative count 99989)
99.995% <= 1.503 milliseconds (cumulative count 99995)
99.999% <= 1.607 milliseconds (cumulative count 99999)
100.000% <= 1.703 milliseconds (cumulative count 100000)

Summary:
 throughput summary: 79936.05 requests per second

```

```

===== ZPOPMIN =====
 100000 requests completed in 0.50 seconds
 50 parallel clients
 3 bytes payload
 keep alive: 1
 host configuration "save":
 host configuration "appendonly": yes
 multi-thread: yes
 threads: 4

Latency by percentile distribution:
0.000% <= 0.039 milliseconds (cumulative count 4)
50.000% <= 0.183 milliseconds (cumulative count 73877)
75.000% <= 0.191 milliseconds (cumulative count 84552)
87.500% <= 0.207 milliseconds (cumulative count 88188)
93.750% <= 0.223 milliseconds (cumulative count 94500)
96.875% <= 0.343 milliseconds (cumulative count 97066)
98.438% <= 0.359 milliseconds (cumulative count 98889)
99.219% <= 0.367 milliseconds (cumulative count 99485)
99.609% <= 0.375 milliseconds (cumulative count 99681)
99.805% <= 0.407 milliseconds (cumulative count 99810)
99.902% <= 0.439 milliseconds (cumulative count 99920)
99.951% <= 0.447 milliseconds (cumulative count 99953)
99.976% <= 0.455 milliseconds (cumulative count 99976)
99.988% <= 0.479 milliseconds (cumulative count 99989)
99.994% <= 0.527 milliseconds (cumulative count 99994)
99.997% <= 0.543 milliseconds (cumulative count 99997)
99.998% <= 0.583 milliseconds (cumulative count 100000)
100.000% <= 0.583 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.052% <= 0.103 milliseconds (cumulative count 52)
88.188% <= 0.207 milliseconds (cumulative count 88188)
96.764% <= 0.303 milliseconds (cumulative count 96764)
99.810% <= 0.407 milliseconds (cumulative count 99810)
99.993% <= 0.503 milliseconds (cumulative count 99993)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
 throughput summary: 199600.80 requests per second
 latency summary (msec):
      avg      min      p50      p95      p99      max
        0.188    0.032    0.183    0.231    0.367    0.583

```

```

===== ZADD =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 6)
50.000% <= 0.583 milliseconds (cumulative count 51554)
75.000% <= 0.655 milliseconds (cumulative count 76215)
87.500% <= 0.703 milliseconds (cumulative count 88823)
93.750% <= 0.735 milliseconds (cumulative count 94177)
96.875% <= 0.767 milliseconds (cumulative count 97221)
98.438% <= 0.807 milliseconds (cumulative count 98480)
99.219% <= 0.975 milliseconds (cumulative count 99225)
99.609% <= 1.175 milliseconds (cumulative count 99612)
99.805% <= 1.335 milliseconds (cumulative count 99814)
99.902% <= 1.439 milliseconds (cumulative count 99903)
99.951% <= 1.551 milliseconds (cumulative count 99953)
99.976% <= 1.599 milliseconds (cumulative count 99976)
99.988% <= 1.999 milliseconds (cumulative count 99988)
99.994% <= 2.143 milliseconds (cumulative count 99995)
99.997% <= 2.151 milliseconds (cumulative count 99997)
99.998% <= 2.167 milliseconds (cumulative count 99999)
99.999% <= 2.559 milliseconds (cumulative count 100000)
100.000% <= 2.559 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.072% <= 0.103 milliseconds (cumulative count 72)
0.193% <= 0.207 milliseconds (cumulative count 193)
0.689% <= 0.303 milliseconds (cumulative count 689)
5.089% <= 0.407 milliseconds (cumulative count 5089)
24.883% <= 0.503 milliseconds (cumulative count 24883)
60.469% <= 0.607 milliseconds (cumulative count 60469)
88.823% <= 0.703 milliseconds (cumulative count 88823)
98.480% <= 0.807 milliseconds (cumulative count 98480)
99.051% <= 0.903 milliseconds (cumulative count 99051)
99.304% <= 1.007 milliseconds (cumulative count 99304)
99.508% <= 1.103 milliseconds (cumulative count 99508)
99.654% <= 1.207 milliseconds (cumulative count 99654)
99.776% <= 1.303 milliseconds (cumulative count 99776)
99.884% <= 1.407 milliseconds (cumulative count 99884)
99.932% <= 1.503 milliseconds (cumulative count 99932)
99.977% <= 1.607 milliseconds (cumulative count 99977)
99.987% <= 1.703 milliseconds (cumulative count 99987)
99.989% <= 2.007 milliseconds (cumulative count 99989)
100.000% <= 3.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.581    0.040    0.583    0.743    0.895    2.559

```

```

===== ZADD =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 1)
50.000% <= 0.191 milliseconds (cumulative count 82026)
87.500% <= 0.199 milliseconds (cumulative count 92119)
93.750% <= 0.231 milliseconds (cumulative count 94224)
96.875% <= 0.351 milliseconds (cumulative count 96898)
98.438% <= 0.375 milliseconds (cumulative count 99152)
99.219% <= 0.383 milliseconds (cumulative count 99792)
99.805% <= 0.391 milliseconds (cumulative count 99938)
99.951% <= 0.399 milliseconds (cumulative count 99961)
99.976% <= 0.415 milliseconds (cumulative count 99984)
99.988% <= 0.423 milliseconds (cumulative count 99991)
99.994% <= 0.431 milliseconds (cumulative count 99994)
99.997% <= 0.487 milliseconds (cumulative count 99997)
99.998% <= 0.503 milliseconds (cumulative count 99999)
99.999% <= 0.575 milliseconds (cumulative count 100000)
100.000% <= 0.575 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.026% <= 0.103 milliseconds (cumulative count 26)
92.965% <= 0.207 milliseconds (cumulative count 92965)
96.737% <= 0.303 milliseconds (cumulative count 96737)
99.975% <= 0.407 milliseconds (cumulative count 99975)
99.999% <= 0.503 milliseconds (cumulative count 99999)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
   0.194    0.040    0.191    0.239    0.375    0.575

```

```

===== SPOP =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 4)
50.000% <= 0.559 milliseconds (cumulative count 50342)
75.000% <= 0.615 milliseconds (cumulative count 76311)
87.500% <= 0.655 milliseconds (cumulative count 88041)
93.750% <= 0.703 milliseconds (cumulative count 93930)
96.875% <= 0.767 milliseconds (cumulative count 96884)
98.438% <= 0.863 milliseconds (cumulative count 98518)
99.219% <= 1.015 milliseconds (cumulative count 99240)
99.609% <= 1.119 milliseconds (cumulative count 99628)
99.805% <= 1.191 milliseconds (cumulative count 99807)
99.902% <= 1.271 milliseconds (cumulative count 99911)
99.951% <= 1.335 milliseconds (cumulative count 99953)
99.976% <= 1.423 milliseconds (cumulative count 99978)
99.988% <= 1.503 milliseconds (cumulative count 99988)
99.994% <= 1.615 milliseconds (cumulative count 99994)
99.997% <= 1.671 milliseconds (cumulative count 99997)
99.998% <= 2.039 milliseconds (cumulative count 99999)
99.999% <= 2.087 milliseconds (cumulative count 100000)
100.000% <= 2.087 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.063% <= 0.103 milliseconds (cumulative count 63)
0.214% <= 0.207 milliseconds (cumulative count 214)
0.489% <= 0.303 milliseconds (cumulative count 489)
3.388% <= 0.407 milliseconds (cumulative count 3388)
25.696% <= 0.503 milliseconds (cumulative count 25696)
73.077% <= 0.607 milliseconds (cumulative count 73077)
93.930% <= 0.703 milliseconds (cumulative count 93930)
97.892% <= 0.807 milliseconds (cumulative count 97892)
98.744% <= 0.903 milliseconds (cumulative count 98744)
99.199% <= 1.007 milliseconds (cumulative count 99199)
99.583% <= 1.103 milliseconds (cumulative count 99583)
99.834% <= 1.207 milliseconds (cumulative count 99834)
99.944% <= 1.303 milliseconds (cumulative count 99944)
99.974% <= 1.407 milliseconds (cumulative count 99974)
99.988% <= 1.503 milliseconds (cumulative count 99988)
99.993% <= 1.607 milliseconds (cumulative count 99993)
99.998% <= 1.703 milliseconds (cumulative count 99998)
100.000% <= 2.103 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.564    0.040    0.559    0.727    0.967    2.087

```

```

===== SPOP =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 3)
50.000% <= 0.183 milliseconds (cumulative count 76603)
87.500% <= 0.191 milliseconds (cumulative count 88018)
93.750% <= 0.223 milliseconds (cumulative count 94950)
96.875% <= 0.319 milliseconds (cumulative count 96879)
98.438% <= 0.359 milliseconds (cumulative count 98908)
99.219% <= 0.367 milliseconds (cumulative count 99579)
99.609% <= 0.375 milliseconds (cumulative count 99775)
99.805% <= 0.383 milliseconds (cumulative count 99821)
99.902% <= 0.423 milliseconds (cumulative count 99924)
99.951% <= 0.439 milliseconds (cumulative count 99957)
99.976% <= 0.455 milliseconds (cumulative count 99984)
99.988% <= 0.463 milliseconds (cumulative count 99990)
99.994% <= 0.471 milliseconds (cumulative count 99995)
99.997% <= 0.511 milliseconds (cumulative count 99997)
99.998% <= 0.551 milliseconds (cumulative count 99999)
99.999% <= 0.559 milliseconds (cumulative count 100000)
100.000% <= 0.559 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.020% <= 0.103 milliseconds (cumulative count 20)
90.578% <= 0.207 milliseconds (cumulative count 90578)
96.863% <= 0.303 milliseconds (cumulative count 96863)
99.857% <= 0.407 milliseconds (cumulative count 99857)
99.996% <= 0.503 milliseconds (cumulative count 99996)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.187    0.064    0.183    0.231    0.367    0.559

```

```

===== HSET =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.055 milliseconds (cumulative count 1)
50.000% <= 0.495 milliseconds (cumulative count 52511)
75.000% <= 0.543 milliseconds (cumulative count 76670)
87.500% <= 0.583 milliseconds (cumulative count 88832)
93.750% <= 0.623 milliseconds (cumulative count 94412)
96.875% <= 0.711 milliseconds (cumulative count 96917)
98.438% <= 0.775 milliseconds (cumulative count 98672)
99.219% <= 0.815 milliseconds (cumulative count 99225)
99.609% <= 0.903 milliseconds (cumulative count 99614)
99.805% <= 1.007 milliseconds (cumulative count 99811)
99.902% <= 1.079 milliseconds (cumulative count 99910)
99.951% <= 1.143 milliseconds (cumulative count 99952)
99.976% <= 1.239 milliseconds (cumulative count 99976)
99.988% <= 1.351 milliseconds (cumulative count 99989)
99.994% <= 1.399 milliseconds (cumulative count 99994)
99.997% <= 1.431 milliseconds (cumulative count 99997)
99.998% <= 1.495 milliseconds (cumulative count 99999)
99.999% <= 1.511 milliseconds (cumulative count 100000)
100.000% <= 1.511 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.010% <= 0.103 milliseconds (cumulative count 10)
0.048% <= 0.207 milliseconds (cumulative count 48)
0.277% <= 0.303 milliseconds (cumulative count 277)
6.593% <= 0.407 milliseconds (cumulative count 6593)
56.818% <= 0.503 milliseconds (cumulative count 56818)
92.943% <= 0.607 milliseconds (cumulative count 92943)
96.781% <= 0.703 milliseconds (cumulative count 96781)
99.127% <= 0.807 milliseconds (cumulative count 99127)
99.614% <= 0.903 milliseconds (cumulative count 99614)
99.811% <= 1.007 milliseconds (cumulative count 99811)
99.929% <= 1.103 milliseconds (cumulative count 99929)
99.972% <= 1.207 milliseconds (cumulative count 99972)
99.982% <= 1.303 milliseconds (cumulative count 99982)
99.995% <= 1.407 milliseconds (cumulative count 99995)
99.999% <= 1.503 milliseconds (cumulative count 99999)
100.000% <= 1.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):

```

```

===== HSET =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 1)
50.000% <= 0.223 milliseconds (cumulative count 84437)
87.500% <= 0.231 milliseconds (cumulative count 93903)
96.875% <= 0.287 milliseconds (cumulative count 97276)
98.438% <= 0.303 milliseconds (cumulative count 98755)
99.219% <= 0.423 milliseconds (cumulative count 99257)
99.609% <= 0.439 milliseconds (cumulative count 99779)
99.805% <= 0.447 milliseconds (cumulative count 99935)
99.951% <= 0.455 milliseconds (cumulative count 99963)
99.976% <= 0.471 milliseconds (cumulative count 99982)
99.988% <= 0.487 milliseconds (cumulative count 99992)
99.994% <= 0.527 milliseconds (cumulative count 99994)
99.997% <= 0.551 milliseconds (cumulative count 99997)
99.998% <= 0.559 milliseconds (cumulative count 99999)
99.999% <= 0.623 milliseconds (cumulative count 100000)
100.000% <= 0.623 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.030% <= 0.103 milliseconds (cumulative count 30)
6.861% <= 0.207 milliseconds (cumulative count 6861)
98.755% <= 0.303 milliseconds (cumulative count 98755)
99.075% <= 0.407 milliseconds (cumulative count 99075)
99.992% <= 0.503 milliseconds (cumulative count 99992)
99.999% <= 0.607 milliseconds (cumulative count 99999)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.221    0.040    0.223    0.247    0.351    0.623

```

```

===== SADD =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% ≤ 0.039 milliseconds (cumulative count 7)
50.000% ≤ 0.559 milliseconds (cumulative count 53044)
75.000% ≤ 0.615 milliseconds (cumulative count 77097)
87.500% ≤ 0.655 milliseconds (cumulative count 87865)
93.750% ≤ 0.703 milliseconds (cumulative count 94299)
96.875% ≤ 0.743 milliseconds (cumulative count 96900)
98.438% ≤ 0.847 milliseconds (cumulative count 98497)
99.219% ≤ 1.015 milliseconds (cumulative count 99221)
99.609% ≤ 1.151 milliseconds (cumulative count 99615)
99.805% ≤ 1.263 milliseconds (cumulative count 99807)
99.902% ≤ 1.431 milliseconds (cumulative count 99903)
99.951% ≤ 1.567 milliseconds (cumulative count 99955)
99.976% ≤ 1.735 milliseconds (cumulative count 99976)
99.988% ≤ 1.839 milliseconds (cumulative count 99988)
99.994% ≤ 1.847 milliseconds (cumulative count 99994)
99.997% ≤ 1.935 milliseconds (cumulative count 99997)
99.998% ≤ 1.951 milliseconds (cumulative count 99999)
99.999% ≤ 1.975 milliseconds (cumulative count 100000)
100.000% ≤ 1.975 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.186% ≤ 0.103 milliseconds (cumulative count 186)
0.321% ≤ 0.207 milliseconds (cumulative count 321)
0.769% ≤ 0.303 milliseconds (cumulative count 769)
5.361% ≤ 0.407 milliseconds (cumulative count 5361)
27.763% ≤ 0.503 milliseconds (cumulative count 27763)
74.505% ≤ 0.607 milliseconds (cumulative count 74505)
94.299% ≤ 0.703 milliseconds (cumulative count 94299)
98.148% ≤ 0.807 milliseconds (cumulative count 98148)
98.809% ≤ 0.903 milliseconds (cumulative count 98809)
99.184% ≤ 1.007 milliseconds (cumulative count 99184)
99.492% ≤ 1.103 milliseconds (cumulative count 99492)
99.728% ≤ 1.207 milliseconds (cumulative count 99728)
99.834% ≤ 1.303 milliseconds (cumulative count 99834)
99.896% ≤ 1.407 milliseconds (cumulative count 99896)
99.932% ≤ 1.503 milliseconds (cumulative count 99932)
99.963% ≤ 1.607 milliseconds (cumulative count 99963)
99.971% ≤ 1.703 milliseconds (cumulative count 99971)
99.983% ≤ 1.807 milliseconds (cumulative count 99983)
99.996% ≤ 1.903 milliseconds (cumulative count 99996)
100.000% ≤ 2.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
        0.191    0.048    0.183    0.239    0.367    0.575

```

```

===== SADD =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.055 milliseconds (cumulative count 1)
50.000% <= 0.183 milliseconds (cumulative count 62578)
75.000% <= 0.191 milliseconds (cumulative count 84851)
87.500% <= 0.199 milliseconds (cumulative count 87688)
93.750% <= 0.231 milliseconds (cumulative count 94891)
96.875% <= 0.343 milliseconds (cumulative count 96941)
98.438% <= 0.367 milliseconds (cumulative count 99117)
99.219% <= 0.375 milliseconds (cumulative count 99640)
99.805% <= 0.415 milliseconds (cumulative count 99821)
99.902% <= 0.439 milliseconds (cumulative count 99912)
99.951% <= 0.455 milliseconds (cumulative count 99953)
99.976% <= 0.479 milliseconds (cumulative count 99980)
99.988% <= 0.495 milliseconds (cumulative count 99991)
99.994% <= 0.543 milliseconds (cumulative count 99994)
99.997% <= 0.551 milliseconds (cumulative count 99997)
99.998% <= 0.567 milliseconds (cumulative count 99999)
99.999% <= 0.575 milliseconds (cumulative count 100000)
100.000% <= 0.575 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.017% <= 0.103 milliseconds (cumulative count 17)
88.623% <= 0.207 milliseconds (cumulative count 88623)
96.767% <= 0.303 milliseconds (cumulative count 96767)
99.802% <= 0.407 milliseconds (cumulative count 99802)
99.992% <= 0.503 milliseconds (cumulative count 99992)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
        0.191    0.048    0.183    0.239    0.367    0.575

```

```

===== RPOP =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 1)
50.000% <= 0.511 milliseconds (cumulative count 50079)
75.000% <= 0.599 milliseconds (cumulative count 76291)
87.500% <= 0.655 milliseconds (cumulative count 87683)
93.750% <= 0.719 milliseconds (cumulative count 94163)
96.875% <= 0.767 milliseconds (cumulative count 97000)
98.438% <= 0.815 milliseconds (cumulative count 98492)
99.219% <= 0.887 milliseconds (cumulative count 99245)
99.609% <= 0.951 milliseconds (cumulative count 99634)
99.805% <= 1.071 milliseconds (cumulative count 99806)
99.902% <= 1.231 milliseconds (cumulative count 99904)
99.951% <= 1.351 milliseconds (cumulative count 99954)
99.976% <= 1.551 milliseconds (cumulative count 99977)
99.988% <= 1.567 milliseconds (cumulative count 99988)
99.994% <= 1.607 milliseconds (cumulative count 99994)
99.997% <= 1.743 milliseconds (cumulative count 99997)
99.998% <= 1.815 milliseconds (cumulative count 99999)
99.999% <= 1.935 milliseconds (cumulative count 100000)
100.000% <= 1.935 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.022% <= 0.103 milliseconds (cumulative count 22)
0.052% <= 0.207 milliseconds (cumulative count 52)
0.180% <= 0.303 milliseconds (cumulative count 180)
2.735% <= 0.407 milliseconds (cumulative count 2735)
45.793% <= 0.503 milliseconds (cumulative count 45793)
78.085% <= 0.607 milliseconds (cumulative count 78085)
93.017% <= 0.703 milliseconds (cumulative count 93017)
98.347% <= 0.807 milliseconds (cumulative count 98347)
99.371% <= 0.903 milliseconds (cumulative count 99371)
99.738% <= 1.007 milliseconds (cumulative count 99738)
99.837% <= 1.103 milliseconds (cumulative count 99837)
99.897% <= 1.207 milliseconds (cumulative count 99897)
99.936% <= 1.303 milliseconds (cumulative count 99936)
99.961% <= 1.407 milliseconds (cumulative count 99961)
99.970% <= 1.503 milliseconds (cumulative count 99970)
99.994% <= 1.607 milliseconds (cumulative count 99994)
99.995% <= 1.703 milliseconds (cumulative count 99995)
99.998% <= 1.807 milliseconds (cumulative count 99998)
99.999% <= 1.903 milliseconds (cumulative count 99999)
100.000% <= 2.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):

```

```

===== RPOP =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 1)
50.000% <= 0.215 milliseconds (cumulative count 80539)
87.500% <= 0.223 milliseconds (cumulative count 94943)
96.875% <= 0.271 milliseconds (cumulative count 96945)
98.438% <= 0.287 milliseconds (cumulative count 98663)
99.219% <= 0.415 milliseconds (cumulative count 99243)
99.609% <= 0.431 milliseconds (cumulative count 99851)
99.902% <= 0.439 milliseconds (cumulative count 99924)
99.951% <= 0.487 milliseconds (cumulative count 99954)
99.976% <= 0.503 milliseconds (cumulative count 99979)
99.988% <= 0.511 milliseconds (cumulative count 99988)
99.994% <= 0.559 milliseconds (cumulative count 99994)
99.997% <= 0.615 milliseconds (cumulative count 99997)
99.998% <= 0.703 milliseconds (cumulative count 100000)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.008% <= 0.103 milliseconds (cumulative count 8)
27.071% <= 0.207 milliseconds (cumulative count 27071)
98.867% <= 0.303 milliseconds (cumulative count 98867)
99.052% <= 0.407 milliseconds (cumulative count 99052)
99.979% <= 0.503 milliseconds (cumulative count 99979)
99.996% <= 0.607 milliseconds (cumulative count 99996)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.215    0.064    0.215    0.231    0.407    0.703

```

```

===== LPOP =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.135 milliseconds (cumulative count 1)
50.000% <= 0.503 milliseconds (cumulative count 51070)
75.000% <= 0.551 milliseconds (cumulative count 77544)
87.500% <= 0.591 milliseconds (cumulative count 88135)
93.750% <= 0.631 milliseconds (cumulative count 93789)
96.875% <= 0.703 milliseconds (cumulative count 96902)
98.438% <= 0.831 milliseconds (cumulative count 98482)
99.219% <= 0.895 milliseconds (cumulative count 99254)
99.609% <= 0.943 milliseconds (cumulative count 99650)
99.805% <= 0.999 milliseconds (cumulative count 99809)
99.902% <= 1.047 milliseconds (cumulative count 99906)
99.951% <= 1.111 milliseconds (cumulative count 99954)
99.976% <= 1.167 milliseconds (cumulative count 99976)
99.988% <= 1.255 milliseconds (cumulative count 99988)
99.994% <= 1.279 milliseconds (cumulative count 99994)
99.997% <= 1.423 milliseconds (cumulative count 99997)
99.998% <= 1.511 milliseconds (cumulative count 99999)
99.999% <= 1.671 milliseconds (cumulative count 100000)
100.000% <= 1.671 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.000% <= 0.103 milliseconds (cumulative count 0)
0.031% <= 0.207 milliseconds (cumulative count 31)
0.253% <= 0.303 milliseconds (cumulative count 253)
7.187% <= 0.407 milliseconds (cumulative count 7187)
51.070% <= 0.503 milliseconds (cumulative count 51070)
90.815% <= 0.607 milliseconds (cumulative count 90815)
96.902% <= 0.703 milliseconds (cumulative count 96902)
98.204% <= 0.807 milliseconds (cumulative count 98204)
99.343% <= 0.903 milliseconds (cumulative count 99343)
99.823% <= 1.007 milliseconds (cumulative count 99823)
99.950% <= 1.103 milliseconds (cumulative count 99950)
99.984% <= 1.207 milliseconds (cumulative count 99984)
99.996% <= 1.303 milliseconds (cumulative count 99996)
99.998% <= 1.503 milliseconds (cumulative count 99998)
99.999% <= 1.607 milliseconds (cumulative count 99999)
100.000% <= 1.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):

```

```

===== LPOP =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.087 milliseconds (cumulative count 1)
50.000% <= 0.215 milliseconds (cumulative count 66018)
75.000% <= 0.223 milliseconds (cumulative count 82749)
87.500% <= 0.239 milliseconds (cumulative count 88361)
93.750% <= 0.255 milliseconds (cumulative count 95033)
96.875% <= 0.279 milliseconds (cumulative count 97429)
98.438% <= 0.295 milliseconds (cumulative count 98645)
99.219% <= 0.415 milliseconds (cumulative count 99227)
99.609% <= 0.431 milliseconds (cumulative count 99746)
99.805% <= 0.439 milliseconds (cumulative count 99847)
99.902% <= 0.471 milliseconds (cumulative count 99908)
99.951% <= 0.495 milliseconds (cumulative count 99963)
99.976% <= 0.503 milliseconds (cumulative count 99978)
99.988% <= 0.511 milliseconds (cumulative count 99988)
99.994% <= 0.535 milliseconds (cumulative count 99996)
99.997% <= 0.543 milliseconds (cumulative count 99998)
99.998% <= 0.551 milliseconds (cumulative count 99999)
99.999% <= 0.575 milliseconds (cumulative count 100000)
100.000% <= 0.575 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.003% <= 0.103 milliseconds (cumulative count 3)
19.987% <= 0.207 milliseconds (cumulative count 19987)
98.751% <= 0.303 milliseconds (cumulative count 98751)
99.110% <= 0.407 milliseconds (cumulative count 99110)
99.978% <= 0.503 milliseconds (cumulative count 99978)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.220    0.080    0.215    0.255    0.359    0.575

```

```

===== RPUSH =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.087 milliseconds (cumulative count 2)
50.000% <= 0.527 milliseconds (cumulative count 53462)
75.000% <= 0.575 milliseconds (cumulative count 75080)
87.500% <= 0.631 milliseconds (cumulative count 88179)
93.750% <= 0.711 milliseconds (cumulative count 93880)
96.875% <= 0.767 milliseconds (cumulative count 97083)
98.438% <= 0.799 milliseconds (cumulative count 98443)
99.219% <= 0.839 milliseconds (cumulative count 99223)
99.609% <= 0.895 milliseconds (cumulative count 99612)
99.805% <= 0.967 milliseconds (cumulative count 99808)
99.902% <= 1.079 milliseconds (cumulative count 99908)
99.951% <= 1.143 milliseconds (cumulative count 99952)
99.976% <= 1.223 milliseconds (cumulative count 99976)
99.988% <= 1.319 milliseconds (cumulative count 99991)
99.994% <= 1.447 milliseconds (cumulative count 99994)
99.997% <= 1.519 milliseconds (cumulative count 99997)
99.998% <= 1.647 milliseconds (cumulative count 99999)
99.999% <= 1.671 milliseconds (cumulative count 100000)
100.000% <= 1.671 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.003% <= 0.103 milliseconds (cumulative count 3)
0.067% <= 0.207 milliseconds (cumulative count 67)
0.317% <= 0.303 milliseconds (cumulative count 317)
11.125% <= 0.407 milliseconds (cumulative count 11125)
42.921% <= 0.503 milliseconds (cumulative count 42921)
83.694% <= 0.607 milliseconds (cumulative count 83694)
93.490% <= 0.703 milliseconds (cumulative count 93490)
98.703% <= 0.807 milliseconds (cumulative count 98703)
99.649% <= 0.903 milliseconds (cumulative count 99649)
99.865% <= 1.007 milliseconds (cumulative count 99865)
99.924% <= 1.103 milliseconds (cumulative count 99924)
99.974% <= 1.207 milliseconds (cumulative count 99974)
99.985% <= 1.303 milliseconds (cumulative count 99985)
99.992% <= 1.407 milliseconds (cumulative count 99992)
99.996% <= 1.503 milliseconds (cumulative count 99996)
99.998% <= 1.607 milliseconds (cumulative count 99998)
100.000% <= 1.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
  avg      min      p50      p95      p99      max
  0.525    0.080    0.527    0.735    0.823    1.671

```

```

===== RPUSH =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.063 milliseconds (cumulative count 1)
50.000% <= 0.215 milliseconds (cumulative count 84535)
87.500% <= 0.223 milliseconds (cumulative count 95395)
96.875% <= 0.271 milliseconds (cumulative count 97130)
98.438% <= 0.287 milliseconds (cumulative count 98818)
99.219% <= 0.415 milliseconds (cumulative count 99352)
99.609% <= 0.423 milliseconds (cumulative count 99713)
99.805% <= 0.431 milliseconds (cumulative count 99945)
99.951% <= 0.439 milliseconds (cumulative count 99981)
99.988% <= 0.447 milliseconds (cumulative count 99988)
99.994% <= 0.463 milliseconds (cumulative count 99994)
99.997% <= 0.479 milliseconds (cumulative count 99997)
99.998% <= 0.487 milliseconds (cumulative count 100000)
100.000% <= 0.487 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.007% <= 0.103 milliseconds (cumulative count 7)
34.364% <= 0.207 milliseconds (cumulative count 34364)
98.940% <= 0.303 milliseconds (cumulative count 98940)
99.098% <= 0.407 milliseconds (cumulative count 99098)
100.000% <= 0.503 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
  avg      min      p50      p95      p99      max
  0.214    0.056    0.215    0.223    0.391    0.487

```

```

===== LPUSH =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 1)
50.000% <= 0.495 milliseconds (cumulative count 51690)
75.000% <= 0.551 milliseconds (cumulative count 75106)
87.500% <= 0.599 milliseconds (cumulative count 88126)
93.750% <= 0.663 milliseconds (cumulative count 93835)
96.875% <= 0.807 milliseconds (cumulative count 96975)
98.438% <= 0.855 milliseconds (cumulative count 98439)
99.219% <= 0.887 milliseconds (cumulative count 99258)
99.609% <= 0.919 milliseconds (cumulative count 99628)
99.805% <= 0.959 milliseconds (cumulative count 99810)
99.902% <= 1.007 milliseconds (cumulative count 99905)
99.951% <= 1.063 milliseconds (cumulative count 99955)
99.976% <= 1.095 milliseconds (cumulative count 99977)
99.988% <= 1.135 milliseconds (cumulative count 99988)
99.994% <= 1.199 milliseconds (cumulative count 99994)
99.997% <= 1.255 milliseconds (cumulative count 99997)
99.998% <= 1.311 milliseconds (cumulative count 99999)
99.999% <= 1.543 milliseconds (cumulative count 100000)
100.000% <= 1.543 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.035% <= 0.103 milliseconds (cumulative count 35)
0.157% <= 0.207 milliseconds (cumulative count 157)
0.439% <= 0.303 milliseconds (cumulative count 439)
11.041% <= 0.407 milliseconds (cumulative count 11041)
55.086% <= 0.503 milliseconds (cumulative count 55086)
89.344% <= 0.607 milliseconds (cumulative count 89344)
95.169% <= 0.703 milliseconds (cumulative count 95169)
96.975% <= 0.807 milliseconds (cumulative count 96975)
99.462% <= 0.903 milliseconds (cumulative count 99462)
99.905% <= 1.007 milliseconds (cumulative count 99905)
99.978% <= 1.103 milliseconds (cumulative count 99978)
99.994% <= 1.207 milliseconds (cumulative count 99994)
99.998% <= 1.303 milliseconds (cumulative count 99998)
99.999% <= 1.407 milliseconds (cumulative count 99999)
100.000% <= 1.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.508    0.040    0.495    0.703    0.879    1.543

```

```

===== LPUSH =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.103 milliseconds (cumulative count 2)
50.000% <= 0.215 milliseconds (cumulative count 71998)
75.000% <= 0.223 milliseconds (cumulative count 91048)
93.750% <= 0.231 milliseconds (cumulative count 94277)
96.875% <= 0.279 milliseconds (cumulative count 97291)
98.438% <= 0.295 milliseconds (cumulative count 98822)
99.219% <= 0.423 milliseconds (cumulative count 99511)
99.609% <= 0.431 milliseconds (cumulative count 99778)
99.805% <= 0.439 milliseconds (cumulative count 99884)
99.902% <= 0.447 milliseconds (cumulative count 99905)
99.951% <= 0.495 milliseconds (cumulative count 99971)
99.976% <= 0.503 milliseconds (cumulative count 99989)
99.994% <= 0.519 milliseconds (cumulative count 99994)
99.997% <= 0.551 milliseconds (cumulative count 99998)
99.998% <= 0.575 milliseconds (cumulative count 99999)
99.999% <= 0.703 milliseconds (cumulative count 100000)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.002% <= 0.103 milliseconds (cumulative count 2)
20.354% <= 0.207 milliseconds (cumulative count 20354)
98.918% <= 0.303 milliseconds (cumulative count 98918)
99.071% <= 0.407 milliseconds (cumulative count 99071)
99.989% <= 0.503 milliseconds (cumulative count 99989)
99.999% <= 0.607 milliseconds (cumulative count 99999)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.217    0.096    0.215    0.239    0.351    0.703

```

```

===== INCR =====
100000 requests completed in 1.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.031 milliseconds (cumulative count 1)
50.000% <= 0.647 milliseconds (cumulative count 50509)
75.000% <= 0.743 milliseconds (cumulative count 77447)
87.500% <= 0.775 milliseconds (cumulative count 88819)
93.750% <= 0.799 milliseconds (cumulative count 93780)
96.875% <= 0.847 milliseconds (cumulative count 97081)
98.438% <= 0.895 milliseconds (cumulative count 98518)
99.219% <= 0.975 milliseconds (cumulative count 99224)
99.609% <= 1.079 milliseconds (cumulative count 99620)
99.805% <= 1.343 milliseconds (cumulative count 99807)
99.902% <= 1.583 milliseconds (cumulative count 99909)
99.951% <= 1.751 milliseconds (cumulative count 99952)
99.976% <= 1.831 milliseconds (cumulative count 99976)
99.988% <= 1.879 milliseconds (cumulative count 99990)
99.994% <= 1.895 milliseconds (cumulative count 99994)
99.997% <= 1.927 milliseconds (cumulative count 99997)
99.998% <= 1.999 milliseconds (cumulative count 100000)
100.000% <= 1.999 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.014% <= 0.103 milliseconds (cumulative count 14)
0.063% <= 0.207 milliseconds (cumulative count 63)
0.192% <= 0.303 milliseconds (cumulative count 192)
3.333% <= 0.407 milliseconds (cumulative count 3333)
30.321% <= 0.503 milliseconds (cumulative count 30321)
45.634% <= 0.607 milliseconds (cumulative count 45634)
63.306% <= 0.703 milliseconds (cumulative count 63306)
94.797% <= 0.807 milliseconds (cumulative count 94797)
98.642% <= 0.903 milliseconds (cumulative count 98642)
99.377% <= 1.007 milliseconds (cumulative count 99377)
99.661% <= 1.103 milliseconds (cumulative count 99661)
99.758% <= 1.207 milliseconds (cumulative count 99758)
99.788% <= 1.303 milliseconds (cumulative count 99788)
99.830% <= 1.407 milliseconds (cumulative count 99830)
99.864% <= 1.503 milliseconds (cumulative count 99864)
99.920% <= 1.607 milliseconds (cumulative count 99920)
99.944% <= 1.703 milliseconds (cumulative count 99944)
99.961% <= 1.807 milliseconds (cumulative count 99961)
99.994% <= 1.903 milliseconds (cumulative count 99994)
100.000% <= 2.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 66622.25 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.621    0.024    0.647    0.815    0.943    1.999

```

```

===== INCR =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 1)
50.000% <= 0.207 milliseconds (cumulative count 63637)
75.000% <= 0.215 milliseconds (cumulative count 87718)
93.750% <= 0.239 milliseconds (cumulative count 93984)
96.875% <= 0.271 milliseconds (cumulative count 97570)
98.438% <= 0.287 milliseconds (cumulative count 98545)
99.219% <= 0.407 milliseconds (cumulative count 99275)
99.609% <= 0.423 milliseconds (cumulative count 99816)
99.902% <= 0.455 milliseconds (cumulative count 99904)
99.951% <= 0.527 milliseconds (cumulative count 99952)
99.976% <= 0.551 milliseconds (cumulative count 99978)
99.988% <= 0.559 milliseconds (cumulative count 99993)
99.994% <= 0.567 milliseconds (cumulative count 99997)
99.998% <= 0.599 milliseconds (cumulative count 99999)
99.999% <= 0.663 milliseconds (cumulative count 100000)
100.000% <= 0.663 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.009% <= 0.103 milliseconds (cumulative count 9)
63.637% <= 0.207 milliseconds (cumulative count 63637)
98.704% <= 0.303 milliseconds (cumulative count 98704)
99.275% <= 0.407 milliseconds (cumulative count 99275)
99.939% <= 0.503 milliseconds (cumulative count 99939)
99.999% <= 0.607 milliseconds (cumulative count 99999)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.211    0.064    0.207    0.247    0.399    0.663

```

```

===== GET =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.039 milliseconds (cumulative count 2)
50.000% <= 0.559 milliseconds (cumulative count 52703)
75.000% <= 0.631 milliseconds (cumulative count 76342)
87.500% <= 0.695 milliseconds (cumulative count 87589)
93.750% <= 0.751 milliseconds (cumulative count 93794)
96.875% <= 0.807 milliseconds (cumulative count 96908)
98.438% <= 0.871 milliseconds (cumulative count 98487)
99.219% <= 0.975 milliseconds (cumulative count 99219)
99.609% <= 1.103 milliseconds (cumulative count 99620)
99.805% <= 1.223 milliseconds (cumulative count 99806)
99.902% <= 1.327 milliseconds (cumulative count 99904)
99.951% <= 1.423 milliseconds (cumulative count 99954)
99.976% <= 1.487 milliseconds (cumulative count 99977)
99.988% <= 1.551 milliseconds (cumulative count 99988)
99.994% <= 1.583 milliseconds (cumulative count 99995)
99.997% <= 1.647 milliseconds (cumulative count 99997)
99.998% <= 1.743 milliseconds (cumulative count 99999)
99.999% <= 1.919 milliseconds (cumulative count 100000)
100.000% <= 1.919 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.109% <= 0.103 milliseconds (cumulative count 109)
0.295% <= 0.207 milliseconds (cumulative count 295)
0.821% <= 0.303 milliseconds (cumulative count 821)
5.974% <= 0.407 milliseconds (cumulative count 5974)
30.444% <= 0.503 milliseconds (cumulative count 30444)
70.063% <= 0.607 milliseconds (cumulative count 70063)
88.506% <= 0.703 milliseconds (cumulative count 88506)
96.908% <= 0.807 milliseconds (cumulative count 96908)
98.853% <= 0.903 milliseconds (cumulative count 98853)
99.334% <= 1.007 milliseconds (cumulative count 99334)
99.620% <= 1.103 milliseconds (cumulative count 99620)
99.794% <= 1.207 milliseconds (cumulative count 99794)
99.886% <= 1.303 milliseconds (cumulative count 99886)
99.945% <= 1.407 milliseconds (cumulative count 99945)
99.982% <= 1.503 milliseconds (cumulative count 99982)
99.996% <= 1.607 milliseconds (cumulative count 99996)
99.998% <= 1.703 milliseconds (cumulative count 99998)
99.999% <= 1.807 milliseconds (cumulative count 99999)
100.000% <= 2.007 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.566    0.032    0.559    0.775    0.927    1.919

```

```

===== GET =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.087 milliseconds (cumulative count 2)
50.000% <= 0.183 milliseconds (cumulative count 71751)
75.000% <= 0.191 milliseconds (cumulative count 89832)
93.750% <= 0.223 milliseconds (cumulative count 94489)
96.875% <= 0.343 milliseconds (cumulative count 96948)
98.438% <= 0.359 milliseconds (cumulative count 98457)
99.219% <= 0.367 milliseconds (cumulative count 99413)
99.609% <= 0.375 milliseconds (cumulative count 99818)
99.902% <= 0.391 milliseconds (cumulative count 99920)
99.951% <= 0.407 milliseconds (cumulative count 99956)
99.976% <= 0.423 milliseconds (cumulative count 99978)
99.988% <= 0.439 milliseconds (cumulative count 99989)
99.994% <= 0.455 milliseconds (cumulative count 99996)
99.997% <= 0.463 milliseconds (cumulative count 99997)
99.998% <= 0.559 milliseconds (cumulative count 100000)
100.000% <= 0.559 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.007% <= 0.103 milliseconds (cumulative count 7)
92.997% <= 0.207 milliseconds (cumulative count 92997)
96.835% <= 0.303 milliseconds (cumulative count 96835)
99.956% <= 0.407 milliseconds (cumulative count 99956)
99.997% <= 0.503 milliseconds (cumulative count 99997)
100.000% <= 0.607 milliseconds (cumulative count 100000)

Summary:
throughput summary: 199600.80 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.188    0.080    0.183    0.231    0.367    0.559

```

```

===== SET =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.047 milliseconds (cumulative count 1)
50.000% <= 0.511 milliseconds (cumulative count 51669)
75.000% <= 0.575 milliseconds (cumulative count 75435)
87.500% <= 0.623 milliseconds (cumulative count 88418)
93.750% <= 0.655 milliseconds (cumulative count 93942)
96.875% <= 0.687 milliseconds (cumulative count 96960)
98.438% <= 0.735 milliseconds (cumulative count 98571)
99.219% <= 0.783 milliseconds (cumulative count 99221)
99.609% <= 0.863 milliseconds (cumulative count 99620)
99.805% <= 0.959 milliseconds (cumulative count 99814)
99.902% <= 1.055 milliseconds (cumulative count 99904)
99.951% <= 1.135 milliseconds (cumulative count 99952)
99.976% <= 1.207 milliseconds (cumulative count 99976)
99.988% <= 1.279 milliseconds (cumulative count 99990)
99.994% <= 1.375 milliseconds (cumulative count 99996)
99.997% <= 1.391 milliseconds (cumulative count 99997)
99.998% <= 1.431 milliseconds (cumulative count 99999)
99.999% <= 1.487 milliseconds (cumulative count 100000)
100.000% <= 1.487 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.006% <= 0.103 milliseconds (cumulative count 6)
0.037% <= 0.207 milliseconds (cumulative count 37)
0.224% <= 0.303 milliseconds (cumulative count 224)
6.531% <= 0.407 milliseconds (cumulative count 6531)
47.707% <= 0.503 milliseconds (cumulative count 47707)
84.593% <= 0.607 milliseconds (cumulative count 84593)
97.680% <= 0.703 milliseconds (cumulative count 97680)
99.392% <= 0.807 milliseconds (cumulative count 99392)
99.702% <= 0.903 milliseconds (cumulative count 99702)
99.860% <= 1.007 milliseconds (cumulative count 99860)
99.933% <= 1.103 milliseconds (cumulative count 99933)
99.976% <= 1.207 milliseconds (cumulative count 99976)
99.991% <= 1.303 milliseconds (cumulative count 99991)
99.997% <= 1.407 milliseconds (cumulative count 99997)
100.000% <= 1.503 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79936.05 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.521    0.040    0.511    0.671    0.767    1.487

```

```

===== SET =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.071 milliseconds (cumulative count 2)
50.000% <= 0.215 milliseconds (cumulative count 66077)
75.000% <= 0.223 milliseconds (cumulative count 87154)
87.500% <= 0.231 milliseconds (cumulative count 91371)
93.750% <= 0.239 milliseconds (cumulative count 94049)
96.875% <= 0.279 milliseconds (cumulative count 96944)
98.438% <= 0.295 milliseconds (cumulative count 98502)
99.219% <= 0.423 milliseconds (cumulative count 99299)
99.609% <= 0.431 milliseconds (cumulative count 99635)
99.805% <= 0.439 milliseconds (cumulative count 99818)
99.902% <= 0.471 milliseconds (cumulative count 99915)
99.951% <= 0.479 milliseconds (cumulative count 99952)
99.976% <= 0.503 milliseconds (cumulative count 99981)
99.988% <= 0.527 milliseconds (cumulative count 99988)
99.994% <= 0.543 milliseconds (cumulative count 99994)
99.997% <= 0.551 milliseconds (cumulative count 99997)
99.998% <= 0.575 milliseconds (cumulative count 99999)
99.999% <= 0.663 milliseconds (cumulative count 100000)
100.000% <= 0.663 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.011% <= 0.103 milliseconds (cumulative count 11)
16.716% <= 0.207 milliseconds (cumulative count 16716)
98.637% <= 0.303 milliseconds (cumulative count 98637)
98.941% <= 0.407 milliseconds (cumulative count 98941)
99.981% <= 0.503 milliseconds (cumulative count 99981)
99.999% <= 0.607 milliseconds (cumulative count 99999)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
  0.219    0.064    0.215    0.247    0.415    0.663

```

```

===== PING_MBULK =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.039 milliseconds (cumulative count 3)
50.000% <= 0.559 milliseconds (cumulative count 52279)
75.000% <= 0.607 milliseconds (cumulative count 76361)
87.500% <= 0.639 milliseconds (cumulative count 87797)
93.750% <= 0.687 milliseconds (cumulative count 93987)
96.875% <= 0.759 milliseconds (cumulative count 96916)
98.438% <= 0.863 milliseconds (cumulative count 98508)
99.219% <= 0.935 milliseconds (cumulative count 99227)
99.609% <= 1.103 milliseconds (cumulative count 99616)
99.805% <= 1.191 milliseconds (cumulative count 99806)
99.902% <= 1.255 milliseconds (cumulative count 99908)
99.951% <= 1.343 milliseconds (cumulative count 99956)
99.976% <= 1.415 milliseconds (cumulative count 99976)
99.988% <= 1.535 milliseconds (cumulative count 99988)
99.994% <= 1.639 milliseconds (cumulative count 99994)
99.997% <= 1.711 milliseconds (cumulative count 99998)
99.998% <= 1.719 milliseconds (cumulative count 99999)
99.999% <= 1.735 milliseconds (cumulative count 100000)
100.000% <= 1.735 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.112% <= 0.103 milliseconds (cumulative count 112)
0.281% <= 0.207 milliseconds (cumulative count 281)
0.811% <= 0.303 milliseconds (cumulative count 811)
5.823% <= 0.407 milliseconds (cumulative count 5823)
27.772% <= 0.503 milliseconds (cumulative count 27772)
76.361% <= 0.607 milliseconds (cumulative count 76361)
94.885% <= 0.703 milliseconds (cumulative count 94885)
97.716% <= 0.807 milliseconds (cumulative count 97716)
99.071% <= 0.903 milliseconds (cumulative count 99071)
99.407% <= 1.007 milliseconds (cumulative count 99407)
99.616% <= 1.103 milliseconds (cumulative count 99616)
99.831% <= 1.207 milliseconds (cumulative count 99831)
99.940% <= 1.303 milliseconds (cumulative count 99940)
99.974% <= 1.407 milliseconds (cumulative count 99974)
99.984% <= 1.503 milliseconds (cumulative count 99984)
99.991% <= 1.607 milliseconds (cumulative count 99991)
99.996% <= 1.703 milliseconds (cumulative count 99996)
100.000% <= 1.807 milliseconds (cumulative count 100000)

Summary:
throughput summary: 79872.20 requests per second
latency summary (msec):

```

```

===== PING_MBULK =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.055 milliseconds (cumulative count 1)
50.000% <= 0.191 milliseconds (cumulative count 56051)
75.000% <= 0.199 milliseconds (cumulative count 77870)
87.500% <= 0.207 milliseconds (cumulative count 88889)
93.750% <= 0.223 milliseconds (cumulative count 93796)
96.875% <= 0.327 milliseconds (cumulative count 96888)
98.438% <= 0.367 milliseconds (cumulative count 98454)
99.219% <= 0.399 milliseconds (cumulative count 99540)
99.609% <= 0.407 milliseconds (cumulative count 99766)
99.805% <= 0.415 milliseconds (cumulative count 99861)
99.902% <= 0.431 milliseconds (cumulative count 99927)
99.951% <= 0.455 milliseconds (cumulative count 99962)
99.976% <= 0.471 milliseconds (cumulative count 99979)
99.988% <= 0.487 milliseconds (cumulative count 99990)
99.994% <= 0.495 milliseconds (cumulative count 99995)
99.997% <= 0.535 milliseconds (cumulative count 99997)
99.998% <= 0.551 milliseconds (cumulative count 99999)
99.999% <= 0.655 milliseconds (cumulative count 100000)
100.000% <= 0.655 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.017% <= 0.103 milliseconds (cumulative count 17)
88.889% <= 0.207 milliseconds (cumulative count 88889)
96.831% <= 0.303 milliseconds (cumulative count 96831)
99.766% <= 0.407 milliseconds (cumulative count 99766)
99.996% <= 0.503 milliseconds (cumulative count 99996)
99.999% <= 0.607 milliseconds (cumulative count 99999)
100.000% <= 0.703 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
      avg      min      p50      p95      p99      max
      0.193    0.048    0.191    0.239    0.391    0.655

```

```

===== PING_INLINE =====
100000 requests completed in 1.25 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.039 milliseconds (cumulative count 4)
50.000% <= 0.535 milliseconds (cumulative count 51423)
75.000% <= 0.607 milliseconds (cumulative count 75347)
87.500% <= 0.663 milliseconds (cumulative count 87570)
93.750% <= 0.743 milliseconds (cumulative count 94200)
96.875% <= 0.791 milliseconds (cumulative count 96876)
98.438% <= 0.847 milliseconds (cumulative count 98569)
99.219% <= 0.919 milliseconds (cumulative count 99188)
99.609% <= 1.047 milliseconds (cumulative count 99574)
99.805% <= 1.159 milliseconds (cumulative count 99760)
99.902% <= 1.255 milliseconds (cumulative count 99861)
99.951% <= 1.343 milliseconds (cumulative count 99906)
99.976% <= 1.447 milliseconds (cumulative count 99930)
99.988% <= 1.527 milliseconds (cumulative count 99941)
99.994% <= 1.599 milliseconds (cumulative count 99948)
99.997% <= 1.655 milliseconds (cumulative count 99950)
99.998% <= 1.735 milliseconds (cumulative count 99952)
99.999% <= 1.759 milliseconds (cumulative count 99953)
100.000% <= 1.759 milliseconds (cumulative count 99953)

Cumulative distribution of latencies:
0.092% <= 0.103 milliseconds (cumulative count 92)
0.379% <= 0.207 milliseconds (cumulative count 379)
0.972% <= 0.303 milliseconds (cumulative count 972)
9.822% <= 0.407 milliseconds (cumulative count 9817)
36.909% <= 0.503 milliseconds (cumulative count 36892)
75.382% <= 0.607 milliseconds (cumulative count 75347)
91.736% <= 0.703 milliseconds (cumulative count 91693)
97.454% <= 0.807 milliseconds (cumulative count 97408)
99.162% <= 0.903 milliseconds (cumulative count 99115)
99.505% <= 1.007 milliseconds (cumulative count 99458)
99.731% <= 1.103 milliseconds (cumulative count 99684)
99.865% <= 1.207 milliseconds (cumulative count 99818)
99.937% <= 1.303 milliseconds (cumulative count 99890)
99.968% <= 1.407 milliseconds (cumulative count 99921)
99.983% <= 1.503 milliseconds (cumulative count 99936)
99.996% <= 1.607 milliseconds (cumulative count 99949)
99.998% <= 1.703 milliseconds (cumulative count 99951)
100.000% <= 1.807 milliseconds (cumulative count 99953)

Summary:
throughput summary: 80000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.545    0.032    0.535    0.759    0.879    1.759

```

```

===== PING_INLINE =====
100000 requests completed in 0.50 seconds
50 parallel clients
3 bytes payload
keep alive: 1
host configuration "save":
host configuration "appendonly": yes
multi-thread: yes
threads: 4

Latency by percentile distribution:
0.000% <= 0.079 milliseconds (cumulative count 1)
50.000% <= 0.207 milliseconds (cumulative count 84087)
87.500% <= 0.215 milliseconds (cumulative count 92838)
93.750% <= 0.223 milliseconds (cumulative count 93853)
96.875% <= 0.295 milliseconds (cumulative count 96876)
98.438% <= 0.407 milliseconds (cumulative count 99294)
99.609% <= 0.415 milliseconds (cumulative count 99767)
99.805% <= 0.423 milliseconds (cumulative count 99910)
99.951% <= 0.471 milliseconds (cumulative count 99952)
99.976% <= 0.583 milliseconds (cumulative count 99976)
99.988% <= 0.663 milliseconds (cumulative count 99988)
99.994% <= 0.703 milliseconds (cumulative count 99995)
99.997% <= 0.727 milliseconds (cumulative count 99997)
99.998% <= 0.743 milliseconds (cumulative count 99999)
99.999% <= 0.759 milliseconds (cumulative count 100000)
100.000% <= 0.759 milliseconds (cumulative count 100000)

Cumulative distribution of latencies:
0.005% <= 0.103 milliseconds (cumulative count 5)
84.087% <= 0.207 milliseconds (cumulative count 84087)
96.883% <= 0.303 milliseconds (cumulative count 96883)
99.294% <= 0.407 milliseconds (cumulative count 99294)
99.960% <= 0.503 milliseconds (cumulative count 99960)
99.979% <= 0.607 milliseconds (cumulative count 99979)
99.995% <= 0.703 milliseconds (cumulative count 99995)
100.000% <= 0.807 milliseconds (cumulative count 100000)

Summary:
throughput summary: 200000.00 requests per second
latency summary (msec):
    avg      min      p50      p95      p99      max
    0.209    0.072    0.207    0.247    0.407    0.759

```