**MySQL**

**1000 Rows**

[OVERALL], RunTime(ms), 3320

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[TOTAL\_GCS\_PS\_Scavenge], Count, 3

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 13

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.391566265060241

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 3

[TOTAL\_GC\_TIME], Time(ms), 13

[TOTAL\_GC\_TIME\_%], Time(%), 0.391566265060241

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1627.0

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[CLEANUP], MaxLatency(us), 1627

[CLEANUP], 95thPercentileLatency(us), 1627

[CLEANUP], 99thPercentileLatency(us), 1627

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[INSERT], MaxLatency(us), 41407

[INSERT], 95thPercentileLatency(us), 4955

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[OVERALL], RunTime(ms), 2287

[OVERALL], Throughput(ops/sec), 437.25404459991256

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 7

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3060778312199388

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 7

[TOTAL\_GC\_TIME\_%], Time(%), 0.3060778312199388

[READ], Operations, 523

[READ], AverageLatency(us), 482.0152963671128

[READ], MinLatency(us), 150

[READ], MaxLatency(us), 11735

[READ], 95thPercentileLatency(us), 1111

[READ], 99thPercentileLatency(us), 3599

[READ], Return=OK, 523

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2393.0

[CLEANUP], MinLatency(us), 2392

[CLEANUP], MaxLatency(us), 2393

[CLEANUP], 95thPercentileLatency(us), 2393

[CLEANUP], 99thPercentileLatency(us), 2393

[UPDATE], Operations, 477

[UPDATE], AverageLatency(us), 3349.1278825995805

[UPDATE], MinLatency(us), 1851

[UPDATE], MaxLatency(us), 22207

[UPDATE], 95thPercentileLatency(us), 5531

[UPDATE], 99thPercentileLatency(us), 7819

[UPDATE], Return=OK, 477

**Workloadb:**

[OVERALL], RunTime(ms), 1018

[OVERALL], Throughput(ops/sec), 982.3182711198428

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 8

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.7858546168958742

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 8

[TOTAL\_GC\_TIME\_%], Time(%), 0.7858546168958742

[READ], Operations, 945

[READ], AverageLatency(us), 329.82751322751324

[READ], MinLatency(us), 117

[READ], MaxLatency(us), 24351

[READ], 95thPercentileLatency(us), 545

[READ], 99thPercentileLatency(us), 1635

[READ], Return=OK, 945

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1823.0

[CLEANUP], MinLatency(us), 1823

[CLEANUP], MaxLatency(us), 1823

[CLEANUP], 95thPercentileLatency(us), 1823

[CLEANUP], 99thPercentileLatency(us), 1823

[UPDATE], Operations, 55

[UPDATE], AverageLatency(us), 4932.490909090909

[UPDATE], MinLatency(us), 2204

[UPDATE], MaxLatency(us), 30495

[UPDATE], 95thPercentileLatency(us), 6903

[UPDATE], 99thPercentileLatency(us), 10567

[UPDATE], Return=OK, 55

**Workloadc:**

[OVERALL], RunTime(ms), 26271

[OVERALL], RunTime(ms), 813

[OVERALL], Throughput(ops/sec), 1230.0123001230013

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 12

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.4760147601476015

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 12

[TOTAL\_GC\_TIME\_%], Time(%), 1.4760147601476015

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[READ], AverageLatency(us), 429.404

[READ], MinLatency(us), 127

[READ], MaxLatency(us), 41919

[READ], 95thPercentileLatency(us), 1123

[READ], 99thPercentileLatency(us), 3399

[READ], Return=OK, 1000

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[CLEANUP], AverageLatency(us), 1463.0

[CLEANUP], MinLatency(us), 1463

[CLEANUP], MaxLatency(us), 1463

[CLEANUP], 95thPercentileLatency(us), 1463

[CLEANUP], 99thPercentileLatency(us), 1463

**Workloadg:**

[OVERALL], RunTime(ms), 3450

[OVERALL], Throughput(ops/sec), 289.8550724637681

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 7

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.2028985507246377

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 7

[TOTAL\_GC\_TIME\_%], Time(%), 0.2028985507246377

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2309.0

[CLEANUP], MinLatency(us), 2308

[CLEANUP], MaxLatency(us), 2309

[CLEANUP], 95thPercentileLatency(us), 2309

[CLEANUP], 99thPercentileLatency(us), 2309

[UPDATE], Operations, 1000

[UPDATE], AverageLatency(us), 2983.493

[UPDATE], MinLatency(us), 1798

[UPDATE], MaxLatency(us), 14383

[UPDATE], 95thPercentileLatency(us), 5395

[UPDATE], 99thPercentileLatency(us), 8223

[UPDATE], Return=OK, 1000

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[OVERALL], RunTime(ms), 26271

[OVERALL], Throughput(ops/sec), 380.64786266225116

[TOTAL\_GCS\_PS\_Scavenge], Count, 17

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 30

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.11419435879867536

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 17

[TOTAL\_GC\_TIME], Time(ms), 30

[TOTAL\_GC\_TIME\_%], Time(%), 0.11419435879867536

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2461.0

[CLEANUP], MinLatency(us), 2460

[CLEANUP], MaxLatency(us), 2461

[CLEANUP], 95thPercentileLatency(us), 2461

[CLEANUP], 99thPercentileLatency(us), 2461

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[INSERT], AverageLatency(us), 2551.7565

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[INSERT], MaxLatency(us), 29999

[INSERT], 95thPercentileLatency(us), 3589

[INSERT], 99thPercentileLatency(us), 5631

[INSERT], Return=OK, 10000

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[OVERALL], RunTime(ms), 14293

[OVERALL], Throughput(ops/sec), 699.6431819771916

[TOTAL\_GCS\_PS\_Scavenge], Count, 10

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 23

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.1609179318547541

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 10

[TOTAL\_GC\_TIME], Time(ms), 23

[TOTAL\_GC\_TIME\_%], Time(%), 0.1609179318547541

[READ], Operations, 5014

[READ], AverageLatency(us), 196.57618667730355

[READ], MinLatency(us), 84

[READ], MaxLatency(us), 43391

[READ], 95thPercentileLatency(us), 396

[READ], 99thPercentileLatency(us), 845

[READ], Return=OK, 5014

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1494.0

[CLEANUP], MinLatency(us), 1494

[CLEANUP], MaxLatency(us), 1494

[CLEANUP], 95thPercentileLatency(us), 1494

[CLEANUP], 99thPercentileLatency(us), 1494

[UPDATE], Operations, 4986

[UPDATE], AverageLatency(us), 2588.0407139991976

[UPDATE], MinLatency(us), 1658

[UPDATE], MaxLatency(us), 31439

[UPDATE], 95thPercentileLatency(us), 3823

[UPDATE], 99thPercentileLatency(us), 6483

[UPDATE], Return=OK, 4986

**Workloadb:**

[OVERALL], RunTime(ms), 3667

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[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 24

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.654485955822198

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 13

[TOTAL\_GC\_TIME], Time(ms), 24

[TOTAL\_GC\_TIME\_%], Time(%), 0.654485955822198

[READ], Operations, 9506

[READ], AverageLatency(us), 163.48990111508522

[READ], MinLatency(us), 68

[READ], MaxLatency(us), 22495

[READ], 95thPercentileLatency(us), 324

[READ], 99thPercentileLatency(us), 707

[READ], Return=OK, 9506

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1906.0

[CLEANUP], MinLatency(us), 1906

[CLEANUP], MaxLatency(us), 1906

[CLEANUP], 95thPercentileLatency(us), 1906

[CLEANUP], 99thPercentileLatency(us), 1906

[UPDATE], Operations, 494

[UPDATE], AverageLatency(us), 3438.931174089069

[UPDATE], MinLatency(us), 1773

[UPDATE], MaxLatency(us), 19759

[UPDATE], 95thPercentileLatency(us), 5763

[UPDATE], 99thPercentileLatency(us), 8951

[UPDATE], Return=OK, 494

**Workloadc:**

[OVERALL], RunTime(ms), 1766

[OVERALL], Throughput(ops/sec), 5662.5141562853905

[TOTAL\_GCS\_PS\_Scavenge], Count, 6

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 17

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.9626274065685164

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 6

[TOTAL\_GC\_TIME], Time(ms), 17

[TOTAL\_GC\_TIME\_%], Time(%), 0.9626274065685164

[READ], Operations, 10000

[READ], AverageLatency(us), 136.4245

[READ], MinLatency(us), 77

[READ], MaxLatency(us), 22111

[READ], 95thPercentileLatency(us), 257

[READ], 99thPercentileLatency(us), 403

[READ], Return=OK, 10000

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[CLEANUP], MaxLatency(us), 1412

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[CLEANUP], 99thPercentileLatency(us), 1412

**Workloadg:**

[OVERALL], RunTime(ms), 25981

[OVERALL], Throughput(ops/sec), 384.8966552480659

[TOTAL\_GCS\_PS\_Scavenge], Count, 3

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 14

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.05388553173472923

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 3

[TOTAL\_GC\_TIME], Time(ms), 14

[TOTAL\_GC\_TIME\_%], Time(%), 0.05388553173472923

[CLEANUP], Operations, 1

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[CLEANUP], MinLatency(us), 2128

[CLEANUP], MaxLatency(us), 2129

[CLEANUP], 95thPercentileLatency(us), 2129

[CLEANUP], 99thPercentileLatency(us), 2129

[UPDATE], Operations, 10000

[UPDATE], AverageLatency(us), 2552.6132

[UPDATE], MinLatency(us), 1578

[UPDATE], MaxLatency(us), 18559

[UPDATE], 95thPercentileLatency(us), 3913

[UPDATE], 99thPercentileLatency(us), 6031

[UPDATE], Return=OK, 10000

**50000 Rows**

[OVERALL], RunTime(ms), 151255

[OVERALL], Throughput(ops/sec), 330.56758454265974

[TOTAL\_GCS\_PS\_Scavenge], Count, 79

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 86

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.05685762454133747

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 79

[TOTAL\_GC\_TIME], Time(ms), 86

[TOTAL\_GC\_TIME\_%], Time(%), 0.05685762454133747

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2821.0

[CLEANUP], MinLatency(us), 2820

[CLEANUP], MaxLatency(us), 2821

[CLEANUP], 95thPercentileLatency(us), 2821

[CLEANUP], 99thPercentileLatency(us), 2821

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[INSERT], MaxLatency(us), 57695

[INSERT], 95thPercentileLatency(us), 5287

[INSERT], 99thPercentileLatency(us), 13071

[INSERT], Return=OK, 50000

**Workloada:**

[OVERALL], RunTime(ms), 93680

[OVERALL], Throughput(ops/sec), 533.731853116994

[TOTAL\_GCS\_PS\_Scavenge], Count, 42

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 66

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.0704526046114432

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 42

[TOTAL\_GC\_TIME], Time(ms), 66

[TOTAL\_GC\_TIME\_%], Time(%), 0.0704526046114432

[READ], Operations, 25133

[READ], AverageLatency(us), 262.01356781920185

[READ], MinLatency(us), 76

[READ], MaxLatency(us), 19903

[READ], 95thPercentileLatency(us), 568

[READ], 99thPercentileLatency(us), 1317

[READ], Return=OK, 25133

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2659.0

[CLEANUP], MinLatency(us), 2658

[CLEANUP], MaxLatency(us), 2659

[CLEANUP], 95thPercentileLatency(us), 2659

[CLEANUP], 99thPercentileLatency(us), 2659

[UPDATE], Operations, 24867

[UPDATE], AverageLatency(us), 3468.3562954920176

[UPDATE], MinLatency(us), 1661

[UPDATE], MaxLatency(us), 187007

[UPDATE], 95thPercentileLatency(us), 6563

[UPDATE], 99thPercentileLatency(us), 13703

[UPDATE], Return=OK, 24867

**Workloadb:**

[OVERALL], RunTime(ms), 14513

[OVERALL], Throughput(ops/sec), 3445.1870736580995

[TOTAL\_GCS\_PS\_Scavenge], Count, 22

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 46

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.31695721077654515

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 22

[TOTAL\_GC\_TIME], Time(ms), 46

[TOTAL\_GC\_TIME\_%], Time(%), 0.31695721077654515

[READ], Operations, 47505

[READ], AverageLatency(us), 134.78928533838544

[READ], MinLatency(us), 64

[READ], MaxLatency(us), 25391

[READ], 95thPercentileLatency(us), 235

[READ], 99thPercentileLatency(us), 430

[READ], Return=OK, 47505

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2285.0

[CLEANUP], MinLatency(us), 2284

[CLEANUP], MaxLatency(us), 2285

[CLEANUP], 95thPercentileLatency(us), 2285

[CLEANUP], 99thPercentileLatency(us), 2285

[UPDATE], Operations, 2495

[UPDATE], AverageLatency(us), 3031.891783567134

[UPDATE], MinLatency(us), 1648

[UPDATE], MaxLatency(us), 20703

[UPDATE], 95thPercentileLatency(us), 5267

[UPDATE], 99thPercentileLatency(us), 8543

[UPDATE], Return=OK, 2495

**Workloadc:**

[OVERALL], RunTime(ms), 5828

[OVERALL], Throughput(ops/sec), 8579.272477693892

[TOTAL\_GCS\_PS\_Scavenge], Count, 13

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 31

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.5319148936170213

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 13

[TOTAL\_GC\_TIME], Time(ms), 31

[TOTAL\_GC\_TIME\_%], Time(%), 0.5319148936170213

[READ], Operations, 50000

[READ], AverageLatency(us), 106.78796

[READ], MinLatency(us), 61

[READ], MaxLatency(us), 24735

[READ], 95thPercentileLatency(us), 187

[READ], 99thPercentileLatency(us), 290

[READ], Return=OK, 50000

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[CLEANUP], AverageLatency(us), 1896.0

[CLEANUP], MinLatency(us), 1896

[CLEANUP], MaxLatency(us), 1896

[CLEANUP], 95thPercentileLatency(us), 1896

[CLEANUP], 99thPercentileLatency(us), 1896

**Workloadg:**

[OVERALL], RunTime(ms), 144865

[OVERALL], Throughput(ops/sec), 345.1489317640562

[TOTAL\_GCS\_PS\_Scavenge], Count, 21

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 49

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.03382459531287751

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 21

[TOTAL\_GC\_TIME], Time(ms), 49

[TOTAL\_GC\_TIME\_%], Time(%), 0.03382459531287751

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[CLEANUP], MaxLatency(us), 1721

[CLEANUP], 95thPercentileLatency(us), 1721

[CLEANUP], 99thPercentileLatency(us), 1721

[UPDATE], Operations, 50000

[UPDATE], AverageLatency(us), 2883.77638

[UPDATE], MinLatency(us), 1580

[UPDATE], MaxLatency(us), 60863

[UPDATE], 95thPercentileLatency(us), 5131

[UPDATE], 99thPercentileLatency(us), 9111

[UPDATE], Return=OK, 50000

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[OVERALL], RunTime(ms), 278758

[OVERALL], Throughput(ops/sec), 358.7340991110569

[TOTAL\_GCS\_PS\_Scavenge], Count, 124

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 127

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.045559230587104226

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 124

[TOTAL\_GC\_TIME], Time(ms), 127

[TOTAL\_GC\_TIME\_%], Time(%), 0.045559230587104226

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2337.0

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[CLEANUP], MaxLatency(us), 2337

[CLEANUP], 95thPercentileLatency(us), 2337

[CLEANUP], 99thPercentileLatency(us), 2337

[INSERT], Operations, 100000

[INSERT], AverageLatency(us), 2780.55068

[INSERT], MinLatency(us), 1595

[INSERT], MaxLatency(us), 63935

[INSERT], 95thPercentileLatency(us), 4663

[INSERT], 99thPercentileLatency(us), 8639

[INSERT], Return=OK, 100000

**Workloada:**

[OVERALL], RunTime(ms), 148935

[OVERALL], Throughput(ops/sec), 671.4338469802262

[TOTAL\_GCS\_PS\_Scavenge], Count, 61

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 76

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.051028972370497194

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 61

[TOTAL\_GC\_TIME], Time(ms), 76

[TOTAL\_GC\_TIME\_%], Time(%), 0.051028972370497194

[READ], Operations, 49965

[READ], AverageLatency(us), 164.47477234063845

[READ], MinLatency(us), 71

[READ], MaxLatency(us), 25103

[READ], 95thPercentileLatency(us), 306

[READ], 99thPercentileLatency(us), 691

[READ], Return=OK, 49965

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1527.0

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[CLEANUP], MaxLatency(us), 1527

[CLEANUP], 95thPercentileLatency(us), 1527

[CLEANUP], 99thPercentileLatency(us), 1527

[UPDATE], Operations, 50035

[UPDATE], AverageLatency(us), 2797.9447586689316

[UPDATE], MinLatency(us), 1228

[UPDATE], MaxLatency(us), 61151

[UPDATE], 95thPercentileLatency(us), 4995

[UPDATE], 99thPercentileLatency(us), 8687

[UPDATE], Return=OK, 50035

**Workloadb:**

[OVERALL], RunTime(ms), 27062

[OVERALL], Throughput(ops/sec), 3695.218387406696

[TOTAL\_GCS\_PS\_Scavenge], Count, 95

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 96

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3547409651910428

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 95

[TOTAL\_GC\_TIME], Time(ms), 96

[TOTAL\_GC\_TIME\_%], Time(%), 0.3547409651910428

[READ], Operations, 94960

[READ], AverageLatency(us), 124.48488837405223

[READ], MinLatency(us), 63

[READ], MaxLatency(us), 21231

[READ], 95thPercentileLatency(us), 203

[READ], 99thPercentileLatency(us), 349

[READ], Return=OK, 94960

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1876.0

[CLEANUP], MinLatency(us), 1876

[CLEANUP], MaxLatency(us), 1876

[CLEANUP], 95thPercentileLatency(us), 1876

[CLEANUP], 99thPercentileLatency(us), 1876

[UPDATE], Operations, 5040

[UPDATE], AverageLatency(us), 2901.647023809524

[UPDATE], MinLatency(us), 1710

[UPDATE], MaxLatency(us), 21231

[UPDATE], 95thPercentileLatency(us), 5071

[UPDATE], 99thPercentileLatency(us), 7443

[UPDATE], Return=OK, 5040

**Workloadc:**

[OVERALL], RunTime(ms), 11575

[OVERALL], Throughput(ops/sec), 8639.308855291576

[TOTAL\_GCS\_PS\_Scavenge], Count, 24

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 42

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.36285097192224625

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 24

[TOTAL\_GC\_TIME], Time(ms), 42

[TOTAL\_GC\_TIME\_%], Time(%), 0.36285097192224625

[READ], Operations, 100000

[READ], AverageLatency(us), 110.37237

[READ], MinLatency(us), 61

[READ], MaxLatency(us), 23279

[READ], 95thPercentileLatency(us), 184

[READ], 99thPercentileLatency(us), 295

[READ], Return=OK, 100000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2089.0

[CLEANUP], MinLatency(us), 2088

[CLEANUP], MaxLatency(us), 2089

[CLEANUP], 95thPercentileLatency(us), 2089

[CLEANUP], 99thPercentileLatency(us), 2089

**Workloadc:**

[OVERALL], RunTime(ms), 292051

[OVERALL], Throughput(ops/sec), 342.40594964578105

[TOTAL\_GCS\_PS\_Scavenge], Count, 40

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 57

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.01951713912980952

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 40

[TOTAL\_GC\_TIME], Time(ms), 57

[TOTAL\_GC\_TIME\_%], Time(%), 0.01951713912980952

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2523.0

[CLEANUP], MinLatency(us), 2522

[CLEANUP], MaxLatency(us), 2523

[CLEANUP], 95thPercentileLatency(us), 2523

[CLEANUP], 99thPercentileLatency(us), 2523

[UPDATE], Operations, 100000

[UPDATE], AverageLatency(us), 2911.42125

[UPDATE], MinLatency(us), 1519

[UPDATE], MaxLatency(us), 50783

[UPDATE], 95thPercentileLatency(us), 5247

[UPDATE], 99thPercentileLatency(us), 10575

[UPDATE], Return=OK, 100000

**200000 Rows**

[CLEANUP], 99thPercentileLatency(us), 2089

[OVERALL], RunTime(ms), 610913

[OVERALL], Throughput(ops/sec), 327.3788575460008

[TOTAL\_GCS\_PS\_Scavenge], Count, 257

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 292

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.047797313201716124

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 257

[TOTAL\_GC\_TIME], Time(ms), 292

[TOTAL\_GC\_TIME\_%], Time(%), 0.047797313201716124

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1732.0

[CLEANUP], MinLatency(us), 1732

[CLEANUP], MaxLatency(us), 1732

[CLEANUP], 95thPercentileLatency(us), 1732

[CLEANUP], 99thPercentileLatency(us), 1732

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 3048.88197

[INSERT], MinLatency(us), 1189

[INSERT], MaxLatency(us), 93119

[INSERT], 95thPercentileLatency(us), 5431

[INSERT], 99thPercentileLatency(us), 13519

[INSERT], Return=OK, 200000

**Workloada:**

[OVERALL], RunTime(ms), 329985

[OVERALL], Throughput(ops/sec), 606.0881555222207

[TOTAL\_GCS\_PS\_Scavenge], Count, 170

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 197

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.05969968331893874

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 170

[TOTAL\_GC\_TIME], Time(ms), 197

[TOTAL\_GC\_TIME\_%], Time(%), 0.05969968331893874

[READ], Operations, 100153

[READ], AverageLatency(us), 194.0111529360079

[READ], MinLatency(us), 66

[READ], MaxLatency(us), 26351

[READ], 95thPercentileLatency(us), 346

[READ], 99thPercentileLatency(us), 1068

[READ], Return=OK, 100153

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1459.0

[CLEANUP], MinLatency(us), 1459

[CLEANUP], MaxLatency(us), 1459

[CLEANUP], 95thPercentileLatency(us), 1459

[CLEANUP], 99thPercentileLatency(us), 1459

[UPDATE], Operations, 99847

[UPDATE], AverageLatency(us), 3099.491862549701

[UPDATE], MinLatency(us), 1594

[UPDATE], MaxLatency(us), 101439

[UPDATE], 95thPercentileLatency(us), 5543

[UPDATE], 99thPercentileLatency(us), 12623

[UPDATE], Return=OK, 99847

**Workloadb:**

[OVERALL], RunTime(ms), 59593

[OVERALL], Throughput(ops/sec), 3356.09887067273

[TOTAL\_GCS\_PS\_Scavenge], Count, 222

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 248

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.4161562599634185

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 222

[TOTAL\_GC\_TIME], Time(ms), 248

[TOTAL\_GC\_TIME\_%], Time(%), 0.4161562599634185

[READ], Operations, 189854

[READ], AverageLatency(us), 149.52578297007173

[READ], MinLatency(us), 64

[READ], MaxLatency(us), 17263

[READ], 95thPercentileLatency(us), 248

[READ], 99thPercentileLatency(us), 491

[READ], Return=OK, 189854

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 3251.0

[CLEANUP], MinLatency(us), 3250

[CLEANUP], MaxLatency(us), 3251

[CLEANUP], 95thPercentileLatency(us), 3251

[CLEANUP], 99thPercentileLatency(us), 3251

[UPDATE], Operations, 10146

[UPDATE], AverageLatency(us), 2989.87936132466

[UPDATE], MinLatency(us), 1723

[UPDATE], MaxLatency(us), 28975

[UPDATE], 95thPercentileLatency(us), 4995

[UPDATE], 99thPercentileLatency(us), 7895

[UPDATE], Return=OK, 10146

**Workloadc:**

[OVERALL], RunTime(ms), 24919

[OVERALL], Throughput(ops/sec), 8026.004253782255

[TOTAL\_GCS\_PS\_Scavenge], Count, 172

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 166

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.6661583530639271

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 172

[TOTAL\_GC\_TIME], Time(ms), 166

[TOTAL\_GC\_TIME\_%], Time(%), 0.6661583530639271

[READ], Operations, 200000

[READ], AverageLatency(us), 121.04778

[READ], MinLatency(us), 62

[READ], MaxLatency(us), 22559

[READ], 95thPercentileLatency(us), 210

[READ], 99thPercentileLatency(us), 359

[READ], Return=OK, 200000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2063.0

[CLEANUP], MinLatency(us), 2062

[CLEANUP], MaxLatency(us), 2063

[CLEANUP], 95thPercentileLatency(us), 2063

[CLEANUP], 99thPercentileLatency(us), 2063

**Workloadg:**

[OVERALL], RunTime(ms), 612627

[OVERALL], Throughput(ops/sec), 326.4629211575722

[TOTAL\_GCS\_PS\_Scavenge], Count, 78

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 87

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.014201137070354392

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 78

[TOTAL\_GC\_TIME], Time(ms), 87

[TOTAL\_GC\_TIME\_%], Time(%), 0.014201137070354392

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2191.0

[CLEANUP], MinLatency(us), 2190

[CLEANUP], MaxLatency(us), 2191

[CLEANUP], 95thPercentileLatency(us), 2191

[CLEANUP], 99thPercentileLatency(us), 2191

[UPDATE], Operations, 200000

[UPDATE], AverageLatency(us), 3056.968895

[UPDATE], MinLatency(us), 1417

[UPDATE], MaxLatency(us), 75199

[UPDATE], 95thPercentileLatency(us), 5655

[UPDATE], 99thPercentileLatency(us), 12895

[UPDATE], Return=OK, 200000

**Mongodb**

**1000 Records:**

[OVERALL], RunTime(ms), 715

[OVERALL], Throughput(ops/sec), 1398.6013986013986

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 10

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.3986013986013985

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 10

[TOTAL\_GC\_TIME\_%], Time(%), 1.3986013986013985

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1612.0

[CLEANUP], MinLatency(us), 1612

[CLEANUP], MaxLatency(us), 1612

[CLEANUP], 95thPercentileLatency(us), 1612

[CLEANUP], 99thPercentileLatency(us), 1612

[INSERT], Operations, 1000

[INSERT], AverageLatency(us), 309.222

[INSERT], MinLatency(us), 120

[INSERT], MaxLatency(us), 70015

[INSERT], 95thPercentileLatency(us), 365

[INSERT], 99thPercentileLatency(us), 671

[INSERT], Return=OK, 1000

**Workloada:**

[OVERALL], RunTime(ms), 774

[OVERALL], Throughput(ops/sec), 1291.9896640826873

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 10

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.2919896640826873

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 10

[TOTAL\_GC\_TIME\_%], Time(%), 1.2919896640826873

[READ], Operations, 502

[READ], AverageLatency(us), 491.0796812749004

[READ], MinLatency(us), 138

[READ], MaxLatency(us), 66239

[READ], 95thPercentileLatency(us), 666

[READ], 99thPercentileLatency(us), 2353

[READ], Return=OK, 502

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 3609.0

[CLEANUP], MinLatency(us), 3608

[CLEANUP], MaxLatency(us), 3609

[CLEANUP], 95thPercentileLatency(us), 3609

[CLEANUP], 99thPercentileLatency(us), 3609

[UPDATE], Operations, 498

[UPDATE], AverageLatency(us), 316.3975903614458

[UPDATE], MinLatency(us), 156

[UPDATE], MaxLatency(us), 5935

[UPDATE], 95thPercentileLatency(us), 538

[UPDATE], 99thPercentileLatency(us), 1572

[UPDATE], Return=OK, 498

**Workloadb:**

[OVERALL], RunTime(ms), 667

[OVERALL], Throughput(ops/sec), 1499.2503748125937

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 7

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.0494752623688157

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 7

[TOTAL\_GC\_TIME\_%], Time(%), 1.0494752623688157

[READ], Operations, 952

[READ], AverageLatency(us), 339.6764705882353

[READ], MinLatency(us), 143

[READ], MaxLatency(us), 37823

[READ], 95thPercentileLatency(us), 447

[READ], 99thPercentileLatency(us), 1960

[READ], Return=OK, 952

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1518.0

[CLEANUP], MinLatency(us), 1518

[CLEANUP], MaxLatency(us), 1518

[CLEANUP], 95thPercentileLatency(us), 1518

[CLEANUP], 99thPercentileLatency(us), 1518

[UPDATE], Operations, 48

[UPDATE], AverageLatency(us), 500.4583333333333

[UPDATE], MinLatency(us), 210

[UPDATE], MaxLatency(us), 6955

[UPDATE], 95thPercentileLatency(us), 580

[UPDATE], 99thPercentileLatency(us), 6955

[UPDATE], Return=OK, 48

**Workloadc:**

[OVERALL], RunTime(ms), 614

[OVERALL], Throughput(ops/sec), 1628.6644951140065

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 11

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.7915309446254073

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 11

[TOTAL\_GC\_TIME\_%], Time(%), 1.7915309446254073

[READ], Operations, 1000

[READ], AverageLatency(us), 323.702

[READ], MinLatency(us), 137

[READ], MaxLatency(us), 74623

[READ], 95thPercentileLatency(us), 534

[READ], 99thPercentileLatency(us), 1574

[READ], Return=OK, 1000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1681.0

[CLEANUP], MinLatency(us), 1681

[CLEANUP], MaxLatency(us), 1681

[CLEANUP], 95thPercentileLatency(us), 1681

[CLEANUP], 99thPercentileLatency(us), 1681

**Workloadg:**

[OVERALL], RunTime(ms), 656

[OVERALL], Throughput(ops/sec), 1524.3902439024391

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 9

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.3719512195121952

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 9

[TOTAL\_GC\_TIME\_%], Time(%), 1.3719512195121952

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1572.0

[CLEANUP], MinLatency(us), 1572

[CLEANUP], MaxLatency(us), 1572

[CLEANUP], 95thPercentileLatency(us), 1572

[CLEANUP], 99thPercentileLatency(us), 1572

[UPDATE], Operations, 1000

[UPDATE], AverageLatency(us), 351.128

[UPDATE], MinLatency(us), 123

[UPDATE], MaxLatency(us), 46815

[UPDATE], 95thPercentileLatency(us), 700

[UPDATE], 99thPercentileLatency(us), 2645

[UPDATE], Return=OK, 1000

**10000 Records:**

[OVERALL], RunTime(ms), 1524

[OVERALL], Throughput(ops/sec), 6561.679790026246

[TOTAL\_GCS\_PS\_Scavenge], Count, 5

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 29

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.9028871391076114

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 5

[TOTAL\_GC\_TIME], Time(ms), 29

[TOTAL\_GC\_TIME\_%], Time(%), 1.9028871391076114

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1521.0

[CLEANUP], MinLatency(us), 1521

[CLEANUP], MaxLatency(us), 1521

[CLEANUP], 95thPercentileLatency(us), 1521

[CLEANUP], 99thPercentileLatency(us), 1521

[INSERT], Operations, 10000

[INSERT], AverageLatency(us), 115.9478

[INSERT], MinLatency(us), 63

[INSERT], MaxLatency(us), 62847

[INSERT], 95thPercentileLatency(us), 203

[INSERT], 99thPercentileLatency(us), 334

[INSERT], Return=OK, 10000

**Workloada:**

[OVERALL], RunTime(ms), 1811

[OVERALL], Throughput(ops/sec), 5521.811154058531

[TOTAL\_GCS\_PS\_Scavenge], Count, 6

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 21

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.1595803423522915

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 6

[TOTAL\_GC\_TIME], Time(ms), 21

[TOTAL\_GC\_TIME\_%], Time(%), 1.1595803423522915

[READ], Operations, 4978

[READ], AverageLatency(us), 123.38489353153876

[READ], MinLatency(us), 51

[READ], MaxLatency(us), 23039

[READ], 95thPercentileLatency(us), 228

[READ], 99thPercentileLatency(us), 394

[READ], Return=OK, 4978

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1847.0

[CLEANUP], MinLatency(us), 1847

[CLEANUP], MaxLatency(us), 1847

[CLEANUP], 95thPercentileLatency(us), 1847

[CLEANUP], 99thPercentileLatency(us), 1847

[UPDATE], Operations, 5022

[UPDATE], AverageLatency(us), 153.92532855436082

[UPDATE], MinLatency(us), 68

[UPDATE], MaxLatency(us), 48415

[UPDATE], 95thPercentileLatency(us), 249

[UPDATE], 99thPercentileLatency(us), 400

[UPDATE], Return=OK, 5022

**Workloadb:**

[OVERALL], RunTime(ms), 1644

[OVERALL], Throughput(ops/sec), 6082.725060827251

[TOTAL\_GCS\_PS\_Scavenge], Count, 8

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 43

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 2.6155717761557176

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 8

[TOTAL\_GC\_TIME], Time(ms), 43

[TOTAL\_GC\_TIME\_%], Time(%), 2.6155717761557176

[READ], Operations, 9494

[READ], AverageLatency(us), 104.9009900990099

[READ], MinLatency(us), 42

[READ], MaxLatency(us), 51295

[READ], 95thPercentileLatency(us), 202

[READ], 99thPercentileLatency(us), 423

[READ], Return=OK, 9494

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1520.0

[CLEANUP], MinLatency(us), 1520

[CLEANUP], MaxLatency(us), 1520

[CLEANUP], 95thPercentileLatency(us), 1520

[CLEANUP], 99thPercentileLatency(us), 1520

[UPDATE], Operations, 506

[UPDATE], AverageLatency(us), 252.0415019762846

[UPDATE], MinLatency(us), 103

[UPDATE], MaxLatency(us), 12255

[UPDATE], 95thPercentileLatency(us), 361

[UPDATE], 99thPercentileLatency(us), 737

[UPDATE], Return=OK, 506

**Workloadc:**

[OVERALL], RunTime(ms), 1433

[OVERALL], Throughput(ops/sec), 6978.367062107467

[TOTAL\_GCS\_PS\_Scavenge], Count, 6

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 20

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.3956734124214933

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 6

[TOTAL\_GC\_TIME], Time(ms), 20

[TOTAL\_GC\_TIME\_%], Time(%), 1.3956734124214933

[READ], Operations, 10000

[READ], AverageLatency(us), 103.895

[READ], MinLatency(us), 45

[READ], MaxLatency(us), 75519

[READ], 95thPercentileLatency(us), 230

[READ], 99thPercentileLatency(us), 375

[READ], Return=OK, 10000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1426.0

[CLEANUP], MinLatency(us), 1426

[CLEANUP], MaxLatency(us), 1426

[CLEANUP], 95thPercentileLatency(us), 1426

[CLEANUP], 99thPercentileLatency(us), 1426

**Workloadg:**

[OVERALL], RunTime(ms), 1621

[OVERALL], Throughput(ops/sec), 6169.031462060457

[TOTAL\_GCS\_PS\_Scavenge], Count, 5

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 20

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.2338062924120914

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 5

[TOTAL\_GC\_TIME], Time(ms), 20

[TOTAL\_GC\_TIME\_%], Time(%), 1.2338062924120914

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1493.0

[CLEANUP], MinLatency(us), 1493

[CLEANUP], MaxLatency(us), 1493

[CLEANUP], 95thPercentileLatency(us), 1493

[CLEANUP], 99thPercentileLatency(us), 1493

[UPDATE], Operations, 10000

[UPDATE], AverageLatency(us), 125.3584

[UPDATE], MinLatency(us), 58

[UPDATE], MaxLatency(us), 65407

[UPDATE], 95thPercentileLatency(us), 224

[UPDATE], 99thPercentileLatency(us), 331

[UPDATE], Return=OK, 10000

**50000 Records:**

[OVERALL], RunTime(ms), 4535

[OVERALL], Throughput(ops/sec), 11025.358324145534

[TOTAL\_GCS\_PS\_Scavenge], Count, 8

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 37

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.8158765159867696

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 8

[TOTAL\_GC\_TIME], Time(ms), 37

[TOTAL\_GC\_TIME\_%], Time(%), 0.8158765159867696

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1346.0

[CLEANUP], MinLatency(us), 1346

[CLEANUP], MaxLatency(us), 1346

[CLEANUP], 95thPercentileLatency(us), 1346

[CLEANUP], 99thPercentileLatency(us), 1346

[INSERT], Operations, 50000

[INSERT], AverageLatency(us), 82.41894

[INSERT], MinLatency(us), 36

[INSERT], MaxLatency(us), 97791

[INSERT], 95thPercentileLatency(us), 152

[INSERT], 99thPercentileLatency(us), 236

[INSERT], Return=OK, 50000

**Workloada:**

[OVERALL], RunTime(ms), 4838

[OVERALL], Throughput(ops/sec), 10334.849111202977

[TOTAL\_GCS\_PS\_Scavenge], Count, 12

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 33

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.6821000413393965

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 12

[TOTAL\_GC\_TIME], Time(ms), 33

[TOTAL\_GC\_TIME\_%], Time(%), 0.6821000413393965

[READ], Operations, 24854

[READ], AverageLatency(us), 75.67188380140017

[READ], MinLatency(us), 35

[READ], MaxLatency(us), 9319

[READ], 95thPercentileLatency(us), 122

[READ], 99thPercentileLatency(us), 332

[READ], Return=OK, 24854

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1452.0

[CLEANUP], MinLatency(us), 1452

[CLEANUP], MaxLatency(us), 1452

[CLEANUP], 95thPercentileLatency(us), 1452

[CLEANUP], 99thPercentileLatency(us), 1452

[UPDATE], Operations, 25146

[UPDATE], AverageLatency(us), 96.05925395689175

[UPDATE], MinLatency(us), 50

[UPDATE], MaxLatency(us), 57567

[UPDATE], 95thPercentileLatency(us), 149

[UPDATE], 99thPercentileLatency(us), 329

[UPDATE], Return=OK, 25146

**Workloadb:**

[OVERALL], RunTime(ms), 4246

[OVERALL], Throughput(ops/sec), 11775.788977861517

[TOTAL\_GCS\_PS\_Scavenge], Count, 11

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 29

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.6829957607159679

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 11

[TOTAL\_GC\_TIME], Time(ms), 29

[TOTAL\_GC\_TIME\_%], Time(%), 0.6829957607159679

[READ], Operations, 47456

[READ], AverageLatency(us), 71.62575859743762

[READ], MinLatency(us), 32

[READ], MaxLatency(us), 54111

[READ], 95thPercentileLatency(us), 116

[READ], 99thPercentileLatency(us), 226

[READ], Return=OK, 47456

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1467.0

[CLEANUP], MinLatency(us), 1467

[CLEANUP], MaxLatency(us), 1467

[CLEANUP], 95thPercentileLatency(us), 1467

[CLEANUP], 99thPercentileLatency(us), 1467

[UPDATE], Operations, 2544

[UPDATE], AverageLatency(us), 138.18396226415095

[UPDATE], MinLatency(us), 58

[UPDATE], MaxLatency(us), 7827

[UPDATE], 95thPercentileLatency(us), 243

[UPDATE], 99thPercentileLatency(us), 412

[UPDATE], Return=OK, 2544

**Workloadc:**

[OVERALL], RunTime(ms), 3544

[OVERALL], Throughput(ops/sec), 14108.352144469525

[TOTAL\_GCS\_PS\_Scavenge], Count, 11

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 38

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 1.072234762979684

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 11

[TOTAL\_GC\_TIME], Time(ms), 38

[TOTAL\_GC\_TIME\_%], Time(%), 1.072234762979684

[READ], Operations, 50000

[READ], AverageLatency(us), 60.82414

[READ], MinLatency(us), 32

[READ], MaxLatency(us), 51231

[READ], 95thPercentileLatency(us), 94

[READ], 99thPercentileLatency(us), 186

[READ], Return=OK, 50000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1450.0

[CLEANUP], MinLatency(us), 1450

[CLEANUP], MaxLatency(us), 1450

[CLEANUP], 95thPercentileLatency(us), 1450

[CLEANUP], 99thPercentileLatency(us), 1450

**Workloadg:**

[OVERALL], RunTime(ms), 5546

[OVERALL], Throughput(ops/sec), 9015.506671474937

[TOTAL\_GCS\_PS\_Scavenge], Count, 8

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 45

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.8113956004327443

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 8

[TOTAL\_GC\_TIME], Time(ms), 45

[TOTAL\_GC\_TIME\_%], Time(%), 0.8113956004327443

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1860.0

[CLEANUP], MinLatency(us), 1860

[CLEANUP], MaxLatency(us), 1860

[CLEANUP], 95thPercentileLatency(us), 1860

[CLEANUP], 99thPercentileLatency(us), 1860

[UPDATE], Operations, 50000

[UPDATE], AverageLatency(us), 101.55522

[UPDATE], MinLatency(us), 44

[UPDATE], MaxLatency(us), 65983

[UPDATE], 95thPercentileLatency(us), 177

[UPDATE], 99thPercentileLatency(us), 345

[UPDATE], Return=OK, 50000

**100000 Records:**

[OVERALL], RunTime(ms), 9288

[OVERALL], Throughput(ops/sec), 10766.580534022394

[TOTAL\_GCS\_PS\_Scavenge], Count, 11

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 43

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.4629629629629629

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 11

[TOTAL\_GC\_TIME], Time(ms), 43

[TOTAL\_GC\_TIME\_%], Time(%), 0.4629629629629629

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1266.0

[CLEANUP], MinLatency(us), 1266

[CLEANUP], MaxLatency(us), 1266

[CLEANUP], 95thPercentileLatency(us), 1266

[CLEANUP], 99thPercentileLatency(us), 1266

[INSERT], Operations, 100000

[INSERT], AverageLatency(us), 87.61849

[INSERT], MinLatency(us), 36

[INSERT], MaxLatency(us), 106431

[INSERT], 95thPercentileLatency(us), 174

[INSERT], 99thPercentileLatency(us), 296

[INSERT], Return=OK, 100000

**Workloada:**

[OVERALL], RunTime(ms), 8209

[OVERALL], Throughput(ops/sec), 12181.751735899623

[TOTAL\_GCS\_PS\_Scavenge], Count, 14

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 40

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.4872700694359849

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 14

[TOTAL\_GC\_TIME], Time(ms), 40

[TOTAL\_GC\_TIME\_%], Time(%), 0.4872700694359849

[READ], Operations, 50036

[READ], AverageLatency(us), 72.13298425133904

[READ], MinLatency(us), 33

[READ], MaxLatency(us), 55231

[READ], 95thPercentileLatency(us), 127

[READ], 99thPercentileLatency(us), 254

[READ], Return=OK, 50036

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1601.0

[CLEANUP], MinLatency(us), 1601

[CLEANUP], MaxLatency(us), 1601

[CLEANUP], 95thPercentileLatency(us), 1601

[CLEANUP], 99thPercentileLatency(us), 1601

[UPDATE], Operations, 49964

[UPDATE], AverageLatency(us), 81.77645905051637

[UPDATE], MinLatency(us), 40

[UPDATE], MaxLatency(us), 15847

[UPDATE], 95thPercentileLatency(us), 144

[UPDATE], 99thPercentileLatency(us), 265

[UPDATE], Return=OK, 49964

**Workloadb:**

[OVERALL], RunTime(ms), 7363

[OVERALL], Throughput(ops/sec), 13581.420616596495

[TOTAL\_GCS\_PS\_Scavenge], Count, 15

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 49

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.6654896102132283

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 15

[TOTAL\_GC\_TIME], Time(ms), 49

[TOTAL\_GC\_TIME\_%], Time(%), 0.6654896102132283

[READ], Operations, 95081

[READ], AverageLatency(us), 65.81519967185874

[READ], MinLatency(us), 31

[READ], MaxLatency(us), 51903

[READ], 95thPercentileLatency(us), 113

[READ], 99thPercentileLatency(us), 215

[READ], Return=OK, 95081

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1740.0

[CLEANUP], MinLatency(us), 1740

[CLEANUP], MaxLatency(us), 1740

[CLEANUP], 95thPercentileLatency(us), 1740

[CLEANUP], 99thPercentileLatency(us), 1740

[UPDATE], Operations, 4919

[UPDATE], AverageLatency(us), 122.83370603781256

[UPDATE], MinLatency(us), 59

[UPDATE], MaxLatency(us), 12199

[UPDATE], 95thPercentileLatency(us), 213

[UPDATE], 99thPercentileLatency(us), 390

[UPDATE], Return=OK, 4919

**Workloadc:**

[OVERALL], RunTime(ms), 7574

[OVERALL], Throughput(ops/sec), 13203.06311064167

[TOTAL\_GCS\_PS\_Scavenge], Count, 18

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 32

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.4224980195405334

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 18

[TOTAL\_GC\_TIME], Time(ms), 32

[TOTAL\_GC\_TIME\_%], Time(%), 0.4224980195405334

[READ], Operations, 100000

[READ], AverageLatency(us), 69.95924

[READ], MinLatency(us), 31

[READ], MaxLatency(us), 42655

[READ], 95thPercentileLatency(us), 113

[READ], 99thPercentileLatency(us), 196

[READ], Return=OK, 100000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1555.0

[CLEANUP], MinLatency(us), 1555

[CLEANUP], MaxLatency(us), 1555

[CLEANUP], 95thPercentileLatency(us), 1555

[CLEANUP], 99thPercentileLatency(us), 1555

**Workloadg:**

[OVERALL], RunTime(ms), 8317

[OVERALL], Throughput(ops/sec), 12023.566189731875

[TOTAL\_GCS\_PS\_Scavenge], Count, 11

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 37

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.4448719490200793

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 11

[TOTAL\_GC\_TIME], Time(ms), 37

[TOTAL\_GC\_TIME\_%], Time(%), 0.4448719490200793

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1225.0

[CLEANUP], MinLatency(us), 1225

[CLEANUP], MaxLatency(us), 1225

[CLEANUP], 95thPercentileLatency(us), 1225

[CLEANUP], 99thPercentileLatency(us), 1225

[UPDATE], Operations, 100000

[UPDATE], AverageLatency(us), 78.0461

[UPDATE], MinLatency(us), 39

[UPDATE], MaxLatency(us), 41503

[UPDATE], 95thPercentileLatency(us), 128

[UPDATE], 99thPercentileLatency(us), 241

[UPDATE], Return=OK, 100000

**200000 Records:**

[OVERALL], RunTime(ms), 14981

[OVERALL], Throughput(ops/sec), 13350.243641946465

[TOTAL\_GCS\_PS\_Scavenge], Count, 37

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 51

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3404312128696349

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 37

[TOTAL\_GC\_TIME], Time(ms), 51

[TOTAL\_GC\_TIME\_%], Time(%), 0.3404312128696349

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1376.0

[CLEANUP], MinLatency(us), 1376

[CLEANUP], MaxLatency(us), 1376

[CLEANUP], 95thPercentileLatency(us), 1376

[CLEANUP], 99thPercentileLatency(us), 1376

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 71.792785

[INSERT], MinLatency(us), 35

[INSERT], MaxLatency(us), 91711

[INSERT], 95thPercentileLatency(us), 137

[INSERT], 99thPercentileLatency(us), 236

[INSERT], Return=OK, 200000

**Workloada:**

[OVERALL], RunTime(ms), 17066

[OVERALL], Throughput(ops/sec), 11719.207781553967

[TOTAL\_GCS\_PS\_Scavenge], Count, 81

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 90

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.5273643501699286

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 81

[TOTAL\_GC\_TIME], Time(ms), 90

[TOTAL\_GC\_TIME\_%], Time(%), 0.5273643501699286

[READ], Operations, 100010

[READ], AverageLatency(us), 75.28904109589041

[READ], MinLatency(us), 32

[READ], MaxLatency(us), 19919

[READ], 95thPercentileLatency(us), 138

[READ], 99thPercentileLatency(us), 270

[READ], Return=OK, 100010

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1635.0

[CLEANUP], MinLatency(us), 1635

[CLEANUP], MaxLatency(us), 1635

[CLEANUP], 95thPercentileLatency(us), 1635

[CLEANUP], 99thPercentileLatency(us), 1635

[UPDATE], Operations, 99990

[UPDATE], AverageLatency(us), 87.76008600860087

[UPDATE], MinLatency(us), 41

[UPDATE], MaxLatency(us), 37823

[UPDATE], 95thPercentileLatency(us), 159

[UPDATE], 99thPercentileLatency(us), 286

[UPDATE], Return=OK, 99990

**Workloadb:**

[OVERALL], RunTime(ms), 14067

[OVERALL], Throughput(ops/sec), 14217.672567000782

[TOTAL\_GCS\_PS\_Scavenge], Count, 42

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 59

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.41942134072652304

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 42

[TOTAL\_GC\_TIME], Time(ms), 59

[TOTAL\_GC\_TIME\_%], Time(%), 0.41942134072652304

[READ], Operations, 189980

[READ], AverageLatency(us), 64.77440783240341

[READ], MinLatency(us), 32

[READ], MaxLatency(us), 57503

[READ], 95thPercentileLatency(us), 116

[READ], 99thPercentileLatency(us), 219

[READ], Return=OK, 189980

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1457.0

[CLEANUP], MinLatency(us), 1457

[CLEANUP], MaxLatency(us), 1457

[CLEANUP], 95thPercentileLatency(us), 1457

[CLEANUP], 99thPercentileLatency(us), 1457

[UPDATE], Operations, 10020

[UPDATE], AverageLatency(us), 108.56367265469062

[UPDATE], MinLatency(us), 47

[UPDATE], MaxLatency(us), 7487

[UPDATE], 95thPercentileLatency(us), 208

[UPDATE], 99thPercentileLatency(us), 365

[UPDATE], Return=OK, 10020

**Workloadc:**

[OVERALL], RunTime(ms), 12620

[OVERALL], Throughput(ops/sec), 15847.860538827259

[TOTAL\_GCS\_PS\_Scavenge], Count, 43

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 74

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.5863708399366085

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 43

[TOTAL\_GC\_TIME], Time(ms), 74

[TOTAL\_GC\_TIME\_%], Time(%), 0.5863708399366085

[READ], Operations, 200000

[READ], AverageLatency(us), 59.824875

[READ], MinLatency(us), 32

[READ], MaxLatency(us), 47071

[READ], 95thPercentileLatency(us), 103

[READ], 99thPercentileLatency(us), 199

[READ], Return=OK, 200000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 1978.0

[CLEANUP], MinLatency(us), 1978

[CLEANUP], MaxLatency(us), 1978

[CLEANUP], 95thPercentileLatency(us), 1978

[CLEANUP], 99thPercentileLatency(us), 1978

**Workloadg:**

[OVERALL], RunTime(ms), 20143

[OVERALL], Throughput(ops/sec), 9929.007595690811

[TOTAL\_GCS\_PS\_Scavenge], Count, 36

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 68

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3375862582534876

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 36

[TOTAL\_GC\_TIME], Time(ms), 68

[TOTAL\_GC\_TIME\_%], Time(%), 0.3375862582534876

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2839.0

[CLEANUP], MinLatency(us), 2838

[CLEANUP], MaxLatency(us), 2839

[CLEANUP], 95thPercentileLatency(us), 2839

[CLEANUP], 99thPercentileLatency(us), 2839

[UPDATE], Operations, 200000

[UPDATE], AverageLatency(us), 96.963955

[UPDATE], MinLatency(us), 39

[UPDATE], MaxLatency(us), 54943

[UPDATE], 95thPercentileLatency(us), 167

[UPDATE], 99thPercentileLatency(us), 534

[UPDATE], Return=OK, 200000

**Cassandra**

**1000 Records:**

[OVERALL], RunTime(ms), 3249

[OVERALL], Throughput(ops/sec), 307.7870113881194

[TOTAL\_GCS\_PS\_Scavenge], Count, 3

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 11

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3385657125269314

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 3

[TOTAL\_GC\_TIME], Time(ms), 11

[TOTAL\_GC\_TIME\_%], Time(%), 0.3385657125269314

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2210816.0

[CLEANUP], MinLatency(us), 2209792

[CLEANUP], MaxLatency(us), 2211839

[CLEANUP], 95thPercentileLatency(us), 2211839

[CLEANUP], 99thPercentileLatency(us), 2211839

[INSERT], Operations, 1000

[INSERT], AverageLatency(us), 551.538

[INSERT], MinLatency(us), 236

[INSERT], MaxLatency(us), 13055

[INSERT], 95thPercentileLatency(us), 808

[INSERT], 99thPercentileLatency(us), 2501

[INSERT], Return=OK, 1000

**Workloada:**

[OVERALL], RunTime(ms), 3371

[OVERALL], Throughput(ops/sec), 296.6478789676654

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 10

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.29664787896766537

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 10

[TOTAL\_GC\_TIME\_%], Time(%), 0.29664787896766537

[READ], Operations, 486

[READ], AverageLatency(us), 560.7551440329219

[READ], MinLatency(us), 218

[READ], MaxLatency(us), 8671

[READ], 95thPercentileLatency(us), 1277

[READ], 99thPercentileLatency(us), 2241

[READ], Return=OK, 486

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2223104.0

[CLEANUP], MinLatency(us), 2222080

[CLEANUP], MaxLatency(us), 2224127

[CLEANUP], 95thPercentileLatency(us), 2224127

[CLEANUP], 99thPercentileLatency(us), 2224127

[UPDATE], Operations, 514

[UPDATE], AverageLatency(us), 581.3307392996109

[UPDATE], MinLatency(us), 191

[UPDATE], MaxLatency(us), 27215

[UPDATE], 95thPercentileLatency(us), 1309

[UPDATE], 99thPercentileLatency(us), 3271

[UPDATE], Return=OK, 514

**Workloadb:**

[OVERALL], RunTime(ms), 3692

[OVERALL], Throughput(ops/sec), 270.85590465872156

[TOTAL\_GCS\_PS\_Scavenge], Count, 3

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 9

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.2437703141928494

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 3

[TOTAL\_GC\_TIME], Time(ms), 9

[TOTAL\_GC\_TIME\_%], Time(%), 0.2437703141928494

[READ], Operations, 953

[READ], AverageLatency(us), 805.3252885624344

[READ], MinLatency(us), 189

[READ], MaxLatency(us), 22399

[READ], 95thPercentileLatency(us), 1860

[READ], 99thPercentileLatency(us), 4723

[READ], Return=OK, 953

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[UPDATE], Operations, 47

[UPDATE], AverageLatency(us), 1374.4468085106382

[UPDATE], MinLatency(us), 278

[UPDATE], MaxLatency(us), 14319

[UPDATE], 95thPercentileLatency(us), 3421

[UPDATE], 99thPercentileLatency(us), 14319

[UPDATE], Return=OK, 47

**Workloadc:**

[OVERALL], RunTime(ms), 3239

[OVERALL], Throughput(ops/sec), 308.73726458783574

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 11

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.33961099104661935

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 11

[TOTAL\_GC\_TIME\_%], Time(%), 0.33961099104661935

[READ], Operations, 1000

[READ], AverageLatency(us), 509.331

[READ], MinLatency(us), 174

[READ], MaxLatency(us), 11327

[READ], 95thPercentileLatency(us), 966

[READ], 99thPercentileLatency(us), 2895

[READ], Return=OK, 1000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2231296.0

[CLEANUP], MinLatency(us), 2230272

[CLEANUP], MaxLatency(us), 2232319

[CLEANUP], 95thPercentileLatency(us), 2232319

[CLEANUP], 99thPercentileLatency(us), 2232319

**Workloadg:**

[OVERALL], RunTime(ms), 3419

[OVERALL], Throughput(ops/sec), 292.48318221702255

[TOTAL\_GCS\_PS\_Scavenge], Count, 2

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 8

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.23398654577361802

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 2

[TOTAL\_GC\_TIME], Time(ms), 8

[TOTAL\_GC\_TIME\_%], Time(%), 0.23398654577361802

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2212864.0

[CLEANUP], MinLatency(us), 2211840

[CLEANUP], MaxLatency(us), 2213887

[CLEANUP], 95thPercentileLatency(us), 2213887

[CLEANUP], 99thPercentileLatency(us), 2213887

[UPDATE], Operations, 1000

[UPDATE], AverageLatency(us), 706.403

[UPDATE], MinLatency(us), 195

[UPDATE], MaxLatency(us), 35423

[UPDATE], 95thPercentileLatency(us), 1650

[UPDATE], 99thPercentileLatency(us), 4711

[UPDATE], Return=OK, 1000

**10000 Records:**

[OVERALL], RunTime(ms), 6522

[OVERALL], Throughput(ops/sec), 1533.2720024532352

[TOTAL\_GCS\_PS\_Scavenge], Count, 6

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 26

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3986507206378411

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 6

[TOTAL\_GC\_TIME], Time(ms), 26

[TOTAL\_GC\_TIME\_%], Time(%), 0.3986507206378411

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2214912.0

[CLEANUP], MinLatency(us), 2213888

[CLEANUP], MaxLatency(us), 2215935

[CLEANUP], 95thPercentileLatency(us), 2215935

[CLEANUP], 99thPercentileLatency(us), 2215935

[INSERT], Operations, 10000

[INSERT], AverageLatency(us), 382.4101

[INSERT], MinLatency(us), 80

[INSERT], MaxLatency(us), 20431

[INSERT], 95thPercentileLatency(us), 990

[INSERT], 99thPercentileLatency(us), 2013

[INSERT], Return=OK, 10000

**Workloada:**

[OVERALL], RunTime(ms), 5584

[OVERALL], Throughput(ops/sec), 1790.8309455587394

[TOTAL\_GCS\_PS\_Scavenge], Count, 4

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 24

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.42979942693409745

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 4

[TOTAL\_GC\_TIME], Time(ms), 24

[TOTAL\_GC\_TIME\_%], Time(%), 0.42979942693409745

[READ], Operations, 4996

[READ], AverageLatency(us), 291.57846277021616

[READ], MinLatency(us), 135

[READ], MaxLatency(us), 11471

[READ], 95thPercentileLatency(us), 557

[READ], 99thPercentileLatency(us), 1458

[READ], Return=OK, 4996

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2229248.0

[CLEANUP], MinLatency(us), 2228224

[CLEANUP], MaxLatency(us), 2230271

[CLEANUP], 95thPercentileLatency(us), 2230271

[CLEANUP], 99thPercentileLatency(us), 2230271

[UPDATE], Operations, 5004

[UPDATE], AverageLatency(us), 275.0597521982414

[UPDATE], MinLatency(us), 125

[UPDATE], MaxLatency(us), 22751

[UPDATE], 95thPercentileLatency(us), 513

[UPDATE], 99thPercentileLatency(us), 1219

[UPDATE], Return=OK, 5004

**Workloadb:**

[OVERALL], RunTime(ms), 6195

[OVERALL], Throughput(ops/sec), 1614.2050040355125

[TOTAL\_GCS\_PS\_Scavenge], Count, 4

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 17

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.27441485068603716

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 4

[TOTAL\_GC\_TIME], Time(ms), 17

[TOTAL\_GC\_TIME\_%], Time(%), 0.27441485068603716

[READ], Operations, 9531

[READ], AverageLatency(us), 327.077956143112

[READ], MinLatency(us), 144

[READ], MaxLatency(us), 20975

[READ], 95thPercentileLatency(us), 801

[READ], 99thPercentileLatency(us), 2024

[READ], Return=OK, 9531

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[UPDATE], Operations, 469

[UPDATE], AverageLatency(us), 558.9445628997868

[UPDATE], MinLatency(us), 176

[UPDATE], MaxLatency(us), 23743

[UPDATE], 95thPercentileLatency(us), 1309

[UPDATE], 99thPercentileLatency(us), 4599

[UPDATE], Return=OK, 469

**Workloadc:**

[OVERALL], RunTime(ms), 6272

[OVERALL], Throughput(ops/sec), 1594.3877551020407

[TOTAL\_GCS\_PS\_Scavenge], Count, 4

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 25

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3985969387755102

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 4

[TOTAL\_GC\_TIME], Time(ms), 25

[TOTAL\_GC\_TIME\_%], Time(%), 0.3985969387755102

[READ], Operations, 10000

[READ], AverageLatency(us), 349.1113

[READ], MinLatency(us), 95

[READ], MaxLatency(us), 20047

[READ], 95thPercentileLatency(us), 856

[READ], 99thPercentileLatency(us), 2207

[READ], Return=OK, 10000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2227200.0

[CLEANUP], MinLatency(us), 2226176

[CLEANUP], MaxLatency(us), 2228223

[CLEANUP], 95thPercentileLatency(us), 2228223

[CLEANUP], 99thPercentileLatency(us), 2228223

**Workloadg:**

[OVERALL], RunTime(ms), 6278

[OVERALL], Throughput(ops/sec), 1592.8639694170117

[TOTAL\_GCS\_PS\_Scavenge], Count, 4

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 17

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.270786874800892

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 4

[TOTAL\_GC\_TIME], Time(ms), 17

[TOTAL\_GC\_TIME\_%], Time(%), 0.270786874800892

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[UPDATE], Operations, 10000

[UPDATE], AverageLatency(us), 348.4351

[UPDATE], MinLatency(us), 86

[UPDATE], MaxLatency(us), 13087

[UPDATE], 95thPercentileLatency(us), 964

[UPDATE], 99thPercentileLatency(us), 2907

[UPDATE], Return=OK, 10000

**50000 Records:**

[OVERALL], RunTime(ms), 13973

[OVERALL], Throughput(ops/sec), 3578.3296357260433

[TOTAL\_GCS\_PS\_Scavenge], Count, 13

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 48

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.3435196450297001

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 13

[TOTAL\_GC\_TIME], Time(ms), 48

[TOTAL\_GC\_TIME\_%], Time(%), 0.3435196450297001

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2235392.0

[CLEANUP], MinLatency(us), 2234368

[CLEANUP], MaxLatency(us), 2236415

[CLEANUP], 95thPercentileLatency(us), 2236415

[CLEANUP], 99thPercentileLatency(us), 2236415

[INSERT], Operations, 50000

[INSERT], AverageLatency(us), 222.65424

[INSERT], MinLatency(us), 78

[INSERT], MaxLatency(us), 37183

[INSERT], 95thPercentileLatency(us), 366

[INSERT], 99thPercentileLatency(us), 1012

[INSERT], Return=OK, 50000

**Workloada:**

[OVERALL], RunTime(ms), 16259

[OVERALL], Throughput(ops/sec), 3075.2198782212927

[TOTAL\_GCS\_PS\_Scavenge], Count, 7

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 33

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.20296451196260532

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 7

[TOTAL\_GC\_TIME], Time(ms), 33

[TOTAL\_GC\_TIME\_%], Time(%), 0.20296451196260532

[READ], Operations, 25305

[READ], AverageLatency(us), 284.48575380359614

[READ], MinLatency(us), 101

[READ], MaxLatency(us), 35359

[READ], 95thPercentileLatency(us), 510

[READ], 99thPercentileLatency(us), 1327

[READ], Return=OK, 25305

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2219008.0

[CLEANUP], MinLatency(us), 2217984

[CLEANUP], MaxLatency(us), 2220031

[CLEANUP], 95thPercentileLatency(us), 2220031

[CLEANUP], 99thPercentileLatency(us), 2220031

[UPDATE], Operations, 24695

[UPDATE], AverageLatency(us), 248.8284673010731

[UPDATE], MinLatency(us), 71

[UPDATE], MaxLatency(us), 23231

[UPDATE], 95thPercentileLatency(us), 455

[UPDATE], 99thPercentileLatency(us), 1205

[UPDATE], Return=OK, 24695

**Workloadb:**

[OVERALL], RunTime(ms), 18246

[OVERALL], Throughput(ops/sec), 2740.326646936315

[TOTAL\_GCS\_PS\_Scavenge], Count, 20

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 43

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.23566809163652305

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 20

[TOTAL\_GC\_TIME], Time(ms), 43

[TOTAL\_GC\_TIME\_%], Time(%), 0.23566809163652305

[READ], Operations, 47488

[READ], AverageLatency(us), 304.0391888477089

[READ], MinLatency(us), 95

[READ], MaxLatency(us), 20479

[READ], 95thPercentileLatency(us), 619

[READ], 99thPercentileLatency(us), 1272

[READ], Return=OK, 47488

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2219008.0

[CLEANUP], MinLatency(us), 2217984

[CLEANUP], MaxLatency(us), 2220031

[CLEANUP], 95thPercentileLatency(us), 2220031

[CLEANUP], 99thPercentileLatency(us), 2220031

[UPDATE], Operations, 2512

[UPDATE], AverageLatency(us), 379.50676751592357

[UPDATE], MinLatency(us), 117

[UPDATE], MaxLatency(us), 16479

[UPDATE], 95thPercentileLatency(us), 898

[UPDATE], 99thPercentileLatency(us), 2561

[UPDATE], Return=OK, 2512

**Workloadc:**

[OVERALL], RunTime(ms), 15685

[OVERALL], Throughput(ops/sec), 3187.75900541919

[TOTAL\_GCS\_PS\_Scavenge], Count, 11

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 31

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.19764105833598983

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 11

[TOTAL\_GC\_TIME], Time(ms), 31

[TOTAL\_GC\_TIME\_%], Time(%), 0.19764105833598983

[READ], Operations, 50000

[READ], AverageLatency(us), 256.92806

[READ], MinLatency(us), 90

[READ], MaxLatency(us), 19615

[READ], 95thPercentileLatency(us), 481

[READ], 99thPercentileLatency(us), 1267

[READ], Return=OK, 50000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

**Workloadg:**

[OVERALL], RunTime(ms), 14864

[OVERALL], Throughput(ops/sec), 3363.832077502691

[TOTAL\_GCS\_PS\_Scavenge], Count, 9

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 44

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.2960172228202368

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 9

[TOTAL\_GC\_TIME], Time(ms), 44

[TOTAL\_GC\_TIME\_%], Time(%), 0.2960172228202368

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2223104.0

[CLEANUP], MinLatency(us), 2222080

[CLEANUP], MaxLatency(us), 2224127

[CLEANUP], 95thPercentileLatency(us), 2224127

[CLEANUP], 99thPercentileLatency(us), 2224127

[UPDATE], Operations, 50000

[UPDATE], AverageLatency(us), 239.30178

[UPDATE], MinLatency(us), 81

[UPDATE], MaxLatency(us), 24991

[UPDATE], 95thPercentileLatency(us), 374

[UPDATE], 99thPercentileLatency(us), 760

[UPDATE], Return=OK, 50000

**100000 Records:**

[OVERALL], RunTime(ms), 27621

[OVERALL], Throughput(ops/sec), 3620.4337279606098

[TOTAL\_GCS\_PS\_Scavenge], Count, 26

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 89

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.32221860178849426

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 26

[TOTAL\_GC\_TIME], Time(ms), 89

[TOTAL\_GC\_TIME\_%], Time(%), 0.32221860178849426

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[INSERT], Operations, 100000

[INSERT], AverageLatency(us), 246.60726

[INSERT], MinLatency(us), 76

[INSERT], MaxLatency(us), 38143

[INSERT], 95thPercentileLatency(us), 376

[INSERT], 99thPercentileLatency(us), 887

[INSERT], Return=OK, 100000

**Workloada:**

[OVERALL], RunTime(ms), 27974

[OVERALL], Throughput(ops/sec), 3574.747980267391

[TOTAL\_GCS\_PS\_Scavenge], Count, 35

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 57

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.20376063487524126

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 35

[TOTAL\_GC\_TIME], Time(ms), 57

[TOTAL\_GC\_TIME\_%], Time(%), 0.20376063487524126

[READ], Operations, 49782

[READ], AverageLatency(us), 264.1299666546141

[READ], MinLatency(us), 94

[READ], MaxLatency(us), 33023

[READ], 95thPercentileLatency(us), 406

[READ], 99thPercentileLatency(us), 1013

[READ], Return=OK, 49782

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[UPDATE], Operations, 50218

[UPDATE], AverageLatency(us), 234.9048946592855

[UPDATE], MinLatency(us), 74

[UPDATE], MaxLatency(us), 27647

[UPDATE], 95thPercentileLatency(us), 366

[UPDATE], 99thPercentileLatency(us), 972

[UPDATE], Return=OK, 50218

**Workloadb:**

[OVERALL], RunTime(ms), 27011

[OVERALL], Throughput(ops/sec), 3702.195401873311

[TOTAL\_GCS\_PS\_Scavenge], Count, 22

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 58

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.21472733330865204

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 22

[TOTAL\_GC\_TIME], Time(ms), 58

[TOTAL\_GC\_TIME\_%], Time(%), 0.21472733330865204

[READ], Operations, 95092

[READ], AverageLatency(us), 238.70707315021244

[READ], MinLatency(us), 87

[READ], MaxLatency(us), 25647

[READ], 95thPercentileLatency(us), 354

[READ], 99thPercentileLatency(us), 651

[READ], Return=OK, 95092

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2214912.0

[CLEANUP], MinLatency(us), 2213888

[CLEANUP], MaxLatency(us), 2215935

[CLEANUP], 95thPercentileLatency(us), 2215935

[CLEANUP], 99thPercentileLatency(us), 2215935

[UPDATE], Operations, 4908

[UPDATE], AverageLatency(us), 273.1574979625102

[UPDATE], MinLatency(us), 85

[UPDATE], MaxLatency(us), 12759

[UPDATE], 95thPercentileLatency(us), 441

[UPDATE], 99thPercentileLatency(us), 1164

[UPDATE], Return=OK, 4908

**Workloadc:**

[OVERALL], RunTime(ms), 33850

[OVERALL], Throughput(ops/sec), 2954.2097488921713

[TOTAL\_GCS\_PS\_Scavenge], Count, 21

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 68

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.20088626292466766

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 21

[TOTAL\_GC\_TIME], Time(ms), 68

[TOTAL\_GC\_TIME\_%], Time(%), 0.20088626292466766

[READ], Operations, 100000

[READ], AverageLatency(us), 307.42662

[READ], MinLatency(us), 102

[READ], MaxLatency(us), 29039

[READ], 95thPercentileLatency(us), 481

[READ], 99thPercentileLatency(us), 790

[READ], Return=OK, 100000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2233344.0

[CLEANUP], MinLatency(us), 2232320

[CLEANUP], MaxLatency(us), 2234367

[CLEANUP], 95thPercentileLatency(us), 2234367

[CLEANUP], 99thPercentileLatency(us), 2234367

**Workloadg:**

[OVERALL], RunTime(ms), 29534

[OVERALL], Throughput(ops/sec), 3385.9280828875194

[TOTAL\_GCS\_PS\_Scavenge], Count, 16

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 43

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.14559490756416332

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 16

[TOTAL\_GC\_TIME], Time(ms), 43

[TOTAL\_GC\_TIME\_%], Time(%), 0.14559490756416332

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2227200.0

[CLEANUP], MinLatency(us), 2226176

[CLEANUP], MaxLatency(us), 2228223

[CLEANUP], 95thPercentileLatency(us), 2228223

[CLEANUP], 99thPercentileLatency(us), 2228223

[UPDATE], Operations, 100000

[UPDATE], AverageLatency(us), 265.56026

[UPDATE], MinLatency(us), 72

[UPDATE], MaxLatency(us), 37631

[UPDATE], 95thPercentileLatency(us), 762

[UPDATE], 99thPercentileLatency(us), 1112

[UPDATE], Return=OK, 100000

**200000 Records:**

[OVERALL], RunTime(ms), 58588

[OVERALL], Throughput(ops/sec), 3413.6683279852527

[TOTAL\_GCS\_PS\_Scavenge], Count, 182

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 254

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.43353587765412716

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 182

[TOTAL\_GC\_TIME], Time(ms), 254

[TOTAL\_GC\_TIME\_%], Time(%), 0.43353587765412716

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2255872.0

[CLEANUP], MinLatency(us), 2254848

[CLEANUP], MaxLatency(us), 2256895

[CLEANUP], 95thPercentileLatency(us), 2256895

[CLEANUP], 99thPercentileLatency(us), 2256895

[INSERT], Operations, 200000

[INSERT], AverageLatency(us), 276.868945

[INSERT], MinLatency(us), 76

[INSERT], MaxLatency(us), 47615

[INSERT], 95thPercentileLatency(us), 617

[INSERT], 99thPercentileLatency(us), 1232

[INSERT], Return=OK, 200000

**Workloada:**

[OVERALL], RunTime(ms), 59518

[OVERALL], Throughput(ops/sec), 3360.3279680096775

[TOTAL\_GCS\_PS\_Scavenge], Count, 78

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 112

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.18817836620854198

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 78

[TOTAL\_GC\_TIME], Time(ms), 112

[TOTAL\_GC\_TIME\_%], Time(%), 0.18817836620854198

[READ], Operations, 99742

[READ], AverageLatency(us), 301.31345872350664

[READ], MinLatency(us), 98

[READ], MaxLatency(us), 36895

[READ], 95thPercentileLatency(us), 764

[READ], 99thPercentileLatency(us), 1238

[READ], Return=OK, 99742

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2221056.0

[CLEANUP], MinLatency(us), 2220032

[CLEANUP], MaxLatency(us), 2222079

[CLEANUP], 95thPercentileLatency(us), 2222079

[CLEANUP], 99thPercentileLatency(us), 2222079

[UPDATE], Operations, 100258

[UPDATE], AverageLatency(us), 261.7472919866744

[UPDATE], MinLatency(us), 76

[UPDATE], MaxLatency(us), 50335

[UPDATE], 95thPercentileLatency(us), 690

[UPDATE], 99thPercentileLatency(us), 1188

[UPDATE], Return=OK, 100258

**Workloadb:**

[OVERALL], RunTime(ms), 62886

[OVERALL], Throughput(ops/sec), 3180.3581083229974

[TOTAL\_GCS\_PS\_Scavenge], Count, 24

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 55

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.08745984797888243

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 24

[TOTAL\_GC\_TIME], Time(ms), 55

[TOTAL\_GC\_TIME\_%], Time(%), 0.08745984797888243

[READ], Operations, 189899

[READ], AverageLatency(us), 298.21124387174234

[READ], MinLatency(us), 95

[READ], MaxLatency(us), 126719

[READ], 95thPercentileLatency(us), 432

[READ], 99thPercentileLatency(us), 1069

[READ], Return=OK, 189899

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2216960.0

[CLEANUP], MinLatency(us), 2215936

[CLEANUP], MaxLatency(us), 2217983

[CLEANUP], 95thPercentileLatency(us), 2217983

[CLEANUP], 99thPercentileLatency(us), 2217983

[UPDATE], Operations, 10101

[UPDATE], AverageLatency(us), 307.05534105534105

[UPDATE], MinLatency(us), 101

[UPDATE], MaxLatency(us), 25967

[UPDATE], 95thPercentileLatency(us), 528

[UPDATE], 99thPercentileLatency(us), 1221

[UPDATE], Return=OK, 10101

**Workloadc:**

[OVERALL], RunTime(ms), 66902

[OVERALL], Throughput(ops/sec), 2989.4472512032526

[TOTAL\_GCS\_PS\_Scavenge], Count, 122

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 153

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.22869271471704883

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 122

[TOTAL\_GC\_TIME], Time(ms), 153

[TOTAL\_GC\_TIME\_%], Time(%), 0.22869271471704883

[READ], Operations, 200000

[READ], AverageLatency(us), 318.49154

[READ], MinLatency(us), 96

[READ], MaxLatency(us), 39807

[READ], 95thPercentileLatency(us), 948

[READ], 99thPercentileLatency(us), 1386

[READ], Return=OK, 200000

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2231296.0

[CLEANUP], MinLatency(us), 2230272

[CLEANUP], MaxLatency(us), 2232319

[CLEANUP], 95thPercentileLatency(us), 2232319

[CLEANUP], 99thPercentileLatency(us), 2232319

**Workloadg:**

[OVERALL], RunTime(ms), 72361

[OVERALL], Throughput(ops/sec), 2763.9197910476637

[TOTAL\_GCS\_PS\_Scavenge], Count, 65

[TOTAL\_GC\_TIME\_PS\_Scavenge], Time(ms), 85

[TOTAL\_GC\_TIME\_%\_PS\_Scavenge], Time(%), 0.11746659111952572

[TOTAL\_GCS\_PS\_MarkSweep], Count, 0

[TOTAL\_GC\_TIME\_PS\_MarkSweep], Time(ms), 0

[TOTAL\_GC\_TIME\_%\_PS\_MarkSweep], Time(%), 0.0

[TOTAL\_GCs], Count, 65

[TOTAL\_GC\_TIME], Time(ms), 85

[TOTAL\_GC\_TIME\_%], Time(%), 0.11746659111952572

[CLEANUP], Operations, 1

[CLEANUP], AverageLatency(us), 2239488.0

[CLEANUP], MinLatency(us), 2238464

[CLEANUP], MaxLatency(us), 2240511

[CLEANUP], 95thPercentileLatency(us), 2240511

[CLEANUP], 99thPercentileLatency(us), 2240511

[UPDATE], Operations, 200000

[UPDATE], AverageLatency(us), 345.98239

[UPDATE], MinLatency(us), 77

[UPDATE], MaxLatency(us), 37567

[UPDATE], 95thPercentileLatency(us), 1051

[UPDATE], 99thPercentileLatency(us), 1421

[UPDATE], Return=OK, 200000