

## Results (Mongo without indexes)

| ORACLE SCENARIO NAME (TEST CASE 1)    |        |        |        |         |         |         |
|---------------------------------------|--------|--------|--------|---------|---------|---------|
| it\processes                          | 1      | 2      | 4      | 8       | 16      | 32      |
| it1                                   | 5,748  | 10,766 | 21,947 | 89,706  | 195,212 | 459,755 |
| it2                                   | 8,658  | 17,774 | 38,541 | 59,873  | 113,844 | 365,123 |
| it3                                   | 7,443  | 13,895 | 28,396 | 127,387 | 326,437 | 178,727 |
| it4                                   | 22,989 | 44,505 | 88,529 | 146,476 | 143,044 | 284,455 |
| it5                                   | 25,544 | 43,939 | 88,522 | 170,935 | 339,183 | 134,354 |
| it6                                   | 24,109 | 45,358 | 92,396 | 194,282 | 351,978 | 498,250 |
| avg(s)                                | 15,749 | 29,373 | 59,722 | 131,443 | 244,950 | 320,111 |
| op                                    | 100    | 200    | 400    | 800     | 1600    | 3200    |
| op/s                                  | 6,350  | 6,809  | 6,698  | 6,086   | 6,532   | 9,997   |
| avg                                   | 7,079  |        |        |         |         |         |
| MONGO SCENARIO NAME (TEST CASE 1)     |        |        |        |         |         |         |
| it\processes                          | 1      | 2      | 4      | 8       | 16      | 32      |
| it1                                   | 6,891  | 7,617  | 8,310  | 13,406  | 25,901  | 52,092  |
| it2                                   | 7,051  | 7,473  | 8,251  | 13,385  | 25,804  | 51,974  |
| it3                                   | 6,801  | 7,665  | 8,066  | 13,532  | 25,883  | 52,057  |
| it4                                   | 6,809  | 7,598  | 8,096  | 13,315  | 25,951  | 52,187  |
| it5                                   | 7,028  | 7,723  | 8,347  | 13,428  | 25,801  | 52,178  |
| it6                                   | 6,814  | 7,598  | 8,370  | 13,451  | 25,837  | 52,003  |
| avg(s)                                | 6,899  | 7,612  | 8,240  | 13,420  | 25,863  | 52,082  |
| op                                    | 100    | 200    | 400    | 800     | 1600    | 3200    |
| op/s                                  | 14,495 | 26,273 | 48,544 | 59,615  | 61,865  | 61,442  |
| avg                                   | 45,372 |        |        |         |         |         |
| ORACLE GROUP OWNER NAME (TEST CASE 2) |        |        |        |         |         |         |
| it\processes                          | 1      | 2      | 4      | 8       | 16      | 32      |
| it1                                   | 16,022 | 29,581 | 21,771 | 32,395  | 152,498 | 77,996  |
| it2                                   | 20,368 | 38,752 | 79,925 | 160,823 | 152,004 | 213,172 |
| it3                                   | 22,734 | 40,766 | 78,696 | 147,189 | 154,018 | 72,942  |
| it4                                   | 24,345 | 45,417 | 85,044 | 170,546 | 314,421 | 77,180  |
| it5                                   | 13,551 | 24,965 | 47,402 | 85,046  | 216,099 | 90,363  |
| it6                                   | 10,883 | 15,053 | 33,071 | 173,865 | 334,873 | 257,550 |
| avg(s)                                | 17,984 | 32,422 | 57,652 | 128,311 | 220,652 | 131,534 |
| op                                    | 100    | 200    | 400    | 800     | 1600    | 3200    |
| op/s                                  | 5,561  | 6,169  | 6,938  | 6,235   | 7,251   | 24,328  |
| avg                                   | 9,414  |        |        |         |         |         |
| MONGO GROUP OWNER NAME (TEST CASE 2)  |        |        |        |         |         |         |
| it\processes                          | 1      | 2      | 4      | 8       | 16      | 32      |
| it1                                   | 9,982  | 10,270 | 10,540 | 18,690  | 37,043  | 74,139  |
| it2                                   | 9,842  | 10,097 | 10,560 | 18,440  | 36,773  | 74,263  |
| it3                                   | 9,874  | 9,983  | 10,593 | 18,595  | 36,788  | 74,273  |
| it4                                   | 9,801  | 10,135 | 10,474 | 18,645  | 36,846  | 74,298  |
| it5                                   | 9,830  | 10,188 | 10,610 | 18,655  | 36,584  | 74,118  |
| it6                                   | 10,014 | 10,053 | 10,567 | 18,684  | 36,928  | 74,144  |
| avg(s)                                | 9,891  | 10,121 | 10,557 | 18,618  | 36,827  | 74,206  |
| op                                    | 100    | 200    | 400    | 800     | 1600    | 3200    |
| op/s                                  | 10,111 | 19,761 | 37,888 | 42,969  | 43,446  | 43,123  |
| avg                                   | 32,883 |        |        |         |         |         |

## Results (Mongo without indexes)

| ORACLE SUBJECT DATE (TEST CASE 3) |        |         |         |         |         |         |
|-----------------------------------|--------|---------|---------|---------|---------|---------|
| it\processes                      | 1      | 2       | 4       | 8       | 16      | 32      |
| it1                               | 71,384 | 142,781 | 285,069 | 289,137 | 326,104 | 514,533 |
| it2                               | 77,512 | 153,199 | 310,251 | 612,620 | 309,605 | 516,437 |
| it3                               | 67,252 | 131,078 | 259,374 | 248,950 | 284,276 | 507,756 |
| it4                               | 63,676 | 127,030 | 255,001 | 583,418 | 263,719 | 502,731 |
| it5                               | 77,185 | 152,296 | 305,495 | 276,657 | 421,538 | 544,565 |
| it6                               | 77,415 | 154,353 | 304,400 | 312,269 | 335,373 | 499,460 |
| avg(s)                            | 72,404 | 143,456 | 286,598 | 387,175 | 323,436 | 514,247 |
| op                                | 100    | 200     | 400     | 800     | 1600    | 3200    |
| op/s                              | 1,381  | 1,394   | 1,396   | 2,066   | 4,947   | 6,223   |
| avg                               | 2,901  |         |         |         |         |         |
| MONGO SUBJECT DATE (TEST CASE 3)  |        |         |         |         |         |         |
| it\processes                      | 1      | 2       | 4       | 8       | 16      | 32      |
| it1                               | 23,838 | 46,576  | 79,683  | 164,555 | 377,099 | 750,300 |
| it2                               | 23,986 | 45,848  | 80,633  | 163,885 | 370,580 | 741,146 |
| it3                               | 24,106 | 47,103  | 81,729  | 163,811 | 380,236 | 750,644 |
| it4                               | 23,833 | 46,017  | 80,881  | 161,382 | 362,714 | 734,929 |
| it5                               | 23,975 | 44,608  | 79,454  | 165,037 | 375,751 | 740,531 |
| it6                               | 23,935 | 43,884  | 81,789  | 164,219 | 373,357 | 802,685 |
| avg(s)                            | 23,946 | 45,673  | 80,695  | 163,815 | 373,290 | 753,373 |
| op                                | 100    | 200     | 400     | 800     | 1600    | 3200    |
| op/s                              | 4,176  | 4,379   | 4,957   | 4,884   | 4,286   | 4,248   |
| avg                               | 4,488  |         |         |         |         |         |