

Performance Test

For our analysis we conducted many tests with 5, 50 and 100 users. We used 500, 1000, 5000, 10000 and 50000 queries combination with different number of users. Furthermore, we used 1, 5 and 10 loop count for each user and query combination. In total 45 experiments were performed with these combinations as Table 1 shown. Here value before round bracket “(“shows number of users, number in bracket shows the number for select query and value after round bracket shows the number of loops that query with that number of users was run.

| Test plan with 5 users | Test plan with 50 users | Test plan with 100 users |
|--------------------------------|-----------------------------------|--------------------------------------|
| 5(500)1 5(500)5 5(500)10 | 50(500)1 50(500)5 50(500)10 | 100(500)1 100(500)5 100(500)10 |
| 5(1000)1 5(1000)5 5(1000)10 | 50(1000)1 50(1000)5 50(1000)10 | 100(1000)1 100(1000)5 100(1000)10 |
| 5(5000)1 5(5000)5 5(5000)10 | 50(5000)1 50(5000)5 50(5000)10 | 100(5000)1 100(5000)5 100(5000)10 |
| 5(10000)1 5(10000)5 5(10000)10 | 50(10000)1 50(10000)5 50(10000)10 | 100(10000)1 100(10000)5 100(10000)10 |
| 5(50000)1 5(50000)5 5(50000)10 | 50(50000)1 50(50000)5 50(50000)10 | 100(50000)1 100(50000)5 100(50000)10 |

Table 1. Test plan with 5, 50 and 100 users.