

Performance testing

Test scenario

The test was held by simulating 50/100/200 users accessing vertx-library server which using MySQL database. This was repeated two times. When we repeat same kind of test for vertx-library server which is using Derby databases.

Response time

for Derby database system, average response time was for

- 50 threads were: 2300
- 100 threads: 4500-5300
- 200 threads: 9000-10000

For MySQL:

- 50 threads: 2500
- 100 threads: 5300-5600
- 200 threads: 9500-10000

To conclude, for both case response time increases exponentially with thread numbers. Derby is consistency and response time always is better than MySQL.

Throughput

Derby is still more consistent than MySQL. in case of MySQL we notice more often bottle neck than in case of Derby