

<Customer Name> Test Execution Report

Database indexing changes
<Date>

<Customer Name> - Test Execution Report

Summary

- Results indicate that application performance will deteriorate with these index changes.



An investigation of database performance suggested that a number of indexes may improve application performance.

Tests were carried out to determine the effect of these new indexes.

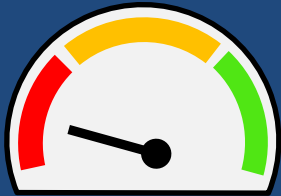
Transaction response times were on average 116% slower when comparing results from the “before test” and the second “after test”.

Before Test ave. response time = 0.978s

After Test ave. response time = 2.109s

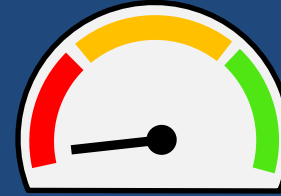
Headlines

Transaction Response Times



- Overall 116% deterioration
- Some transactions are slightly faster

Performance Metrics



- Database contribution to page response times increased from the before test to the after test.
- From 41% to 51%

Conclusions & Recommendations

Conclusions

- The effect of these index changes is that response times will degrade.
- Database load will increase.

Recommendations

- Run tests on individual index changes to determine whether some (rather than all) index changes are worthwhile.