

Workload Optimization Assessment

Account: Large US-based Insurance Company

- Insurance claims enterprise data warehouse recently migrated from legacy Teradata to Oracle Exadata
- Seeking better performance, more consistent processing and lower operating costs
- Claims EDW supporting multiple business groups and analytical processes including underwriters, actuarial, operations, sales and marketing staff

Challenges

- Business and IT management purchased new platform expecting measurably improved performance
- New system experiencing highly erratic performance and unexpected resource utilization spikes
- Unable to add planned additional applications to the system, migrations and other planned system retirements halted, driving up costs and impacting IT credibility
- With the Exadata platform capacity increases could no longer be achieved with \$100,000-\$200,000 incremental CPU and disk storage spending. Rather, an incremental Exadata ½ rack cost millions of dollars.
- Extensive Informatica ETL process originally written for a shared nothing Teradata system was consuming large resources on the Exadata with a consulting firm estimating a \$20M rewrite.

Solution – Workload Optimization Assessment

- 30 day Teleran Workload Optimization Assessment providing deep visibility into the behavior of applications, users, query performance and database usage.

Results

- Identified 5 ETL applets/subroutines as the resource and performance robbing processes. Avoided \$20M re-write, Completed ETL remediation for less than \$100,000. Reduced batch load window by 70%.
- Better balanced workloads across nodes relieving peak load utilization and making way for additional applications – huge utilization improvement by 80%
- Identified unused data to reduce data handling costs, improve query performance and further lower load-time batch window
- Identified database errors that reduced application quality and SLAs

Business Benefits

- Avoided \$20M rewrite, reduced load-time window, stabilized and improved performance – made predictable
- Met application performance SLAs
- “Took back” resource enabling planned additional applications migration and faster system payback
- Avoided unneeded system upgrade in the range of \$2.5M

Contact Us

For more information about Teleran Assessment Solutions visit Teleran.com or call +1.973.439.1820.