Case Study

End-to-end Data Assurance & Validation for a Leading P&C Insurer
Client
Leading Insurance Company that offers a wide variety of insurance and surety products along with risk management services, to various types of businesses, organizations and individuals.

Challenges
• Large volume of data from multiple and disparate sources affecting data accuracy, consistency and reliability
• Lack of technology agnostic automation tools
• Extensive efforts and time required for data comparison
• Absence of holistic and automated solution for end-to-end data validation

LTI Solution
• LTI deployed a team of data warehousing/ business intelligence and data assurance experts
• Established a common ETL testing framework from schema validation, referential integrity, data validation for business transformation rules, data quality and financial balancing
• Implemented LTI’s IP solution ‘RADAR’ - Data Testing Framework for validating data.
• Conducted comprehensive UI and reports testing involving dimensions and facts validation, navigation and layout validation, drill down validation, data comparison with backend
• Data migration for technology upgrades for Ab Initio, Cognos and Oracle
• Automated overnight batch test executions to accelerate QA testing cycles
• Integration of test automation solution with test management tool
• Risk based testing by preparing Test Suite, based on functionalities

Business Benefits Delivered
• 100% test coverage in validating the data across homogeneous and heterogeneous systems through RADAR
• 90% efforts reduced in requirement ambiguity review (tool for ambiguity check)
• 64% efforts reduced in Test case preparation using RADAR
• Reduced testing efforts by 40% per cycle
• 60% reduction in residual defect count
• Automated 90% SQL scripts and test execution