LTI
Let's Solve

Case Study

End-to-end Data Assurance & Validation for a Leading P&C Insurer

L&T | A Larsen & Toubro Group Company

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

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