



Mindtree

A Larsen & Toubro Group Company



Quality engineering

services for a leading
American life, annuity, and
retirement services provider

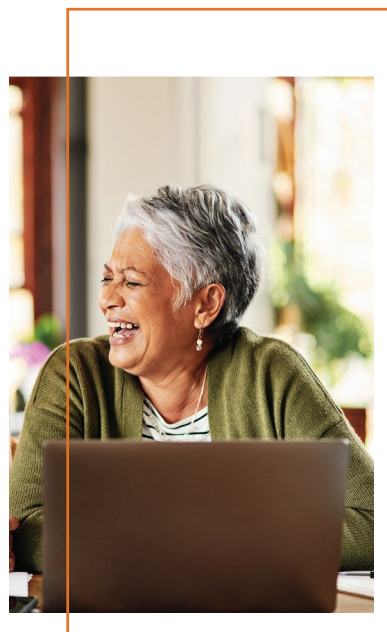
Challenges :

- As an industry leader offering life and annuity and retirement products, the client had frequent product releases to meet the competitive market conditions and regulatory changes
- There was a need to enhance customer and intermediary experience and align them to transformation driven changes in business operations
- The regression suite was not periodically updated, and test coverages were incomplete
- The client wanted a mechanism that ensured quality releases for new product rollouts, enhancements, and BAU
- Achieving test coverage optimization while reducing the total cost of testing and time-to-market was another top priority for the client



Solution :

- Mindtree handled the testing of 120+ applications across business functions, including illustrations, new business processing, enrolment, underwriting, policy administration, customer and intermediary self-service, and distribution for individual & group segments across product types in life, annuities, retirement plans, voluntary/group benefits lines of business
- Our testing services included testing across Commercial-Off-The-Shelf (COTS) products such as Accenture Life Insurance & Annuity Platform (ALIP), Foresight, and Vitech
- We built a repository of product X process matrix, which comprised of – process flows, E2E test cases for each event/transaction
- Optimized the test coverage by leveraging risk-based testing framework to optimize the regression suite
- Our team leveraged open-source frameworks and Mindtree IPs for addressing the automation, Extract, Transform, and Load (ETL), and data testing requirements of the client
- We implemented an on-demand test data management using GenRocket integration
- To ensure the solution delivered expected results, our team piloted service virtualization to reduce dependency on test data for regression/performance testing
- We adopted a phased transition approach where applications were clustered and prioritized by inflight releases and business priorities
- BA-QA model was leveraged for knowledge management during and post-transition





Benefits:



Contributed to ~50% reduction in IT implementation activities related to insurance products launch through quality engineering



Automated, on-demand provisioning of test data that reduced the test data generation effort by ~80% across – illustration, new business processing, underwriting, policy servicing, fund management, and claims/withdrawal – while reducing dependency on the copy down data from production



Automated regression coverage was increased from 35% to >90%, while the regression cycle time was reduced by over 60% (from 4.5 days to 2 days)



Adoption of Acceptance Test Driven Development (ATDD) model enabled test automation right from Day 1 of the sprint cycle.



The service virtualization ensured test continuity by reducing dependency on the availability of services during initial sprints



About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company that enables enterprises across industries to drive superior competitive advantage, customer experiences and business outcomes by harnessing digital and cloud technologies. A digital transformation partner to more than 260 of the world's most pioneering enterprises, Mindtree brings extensive domain, technology and consulting expertise to help reimagine business models, accelerate innovation and maximize growth. As a socially and environmentally responsible business, Mindtree is focused on growth as well as sustainability in building long-term stakeholder value. Powered by more than 29,700 talented and entrepreneurial professionals across 24 countries, Mindtree — a Larsen & Toubro Group company — is consistently recognized among the best places to work.

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