

Global Travel Industry Leader Experiences 90% Reduce Regression Execution Time with Automation Testing Solutions

Infogain provided a Unified Automation Platform (UAP) for a centralized infrastructure, reporting and automation frameworks

Client Background

The client provides technology solutions to the travel network, airline solution and hospitality solution travel segments. In addition, they operate a global travel marketplace, connecting travel buyers and suppliers. Headquartered in Texas, they serve customers in more than 160 countries.

Business & Technical Challenges

The large enterprise had various challenges that were negatively effecting productivity and reporting. Challenges included:

- ❑ High license cost for Unified Functional Testing (UFT)
- ❑ Lack of consistent and uniform reporting of regression execution to management due to product teams (40) using different format for reporting
- ❑ Lack of root cause analysis (RCA) or history recorded for automation script failures
- ❑ Large number (40) of product components with long regression cycles spanning 4 weeks
- ❑ Various (13) different automation frameworks were developed using 8 different automation tools to automate approximately 46000 Test Cases

Infogain Approach

Infogain takes an intelligent automation approach to resolve the issues. The scope of our solutions:

- ❑ Enabled DevOps by integration with Jenkins driven execution.
- ❑ Implemented a common reporting platform and dashboard reporting tool with real time metrics visible to management and 40 product teams.
- ❑ Maintained historical data for common reason for failure analyses with UAP Test Manager.
- ❑ Reduced license fees for UFT scripts with migration to UAP Java framework.
- ❑ Reduced number of automation frameworks from 13 to 3.
- ❑ Reduced regression execution time by 90% with Dynamic Test Suite creation integrated with DevOps pipeline.
- ❑ Reduced regression test cases by 30% from 46000 to 34000 by eliminating redundant, duplicate and obsolete test cases.
- ❑ Replaced license tool with UAP based open source test automation.

Business impact delivered



Cost



Revenue



Speed-to-Value



Risk



Innovation

Key Benefits

- ☑ Cost savings with elimination of license tools
- ☑ Increased cost savings with automation solution
- ☑ Increased productivity with dashboard showing real time progression of information
- ☑ Reduced regression test cases

Infogain Edge

Infogain helps enterprises achieve speed, efficiency, and accuracy while taking new products to market by leveraging a rich repository of test automation tools and our proven experience of transforming QA practices.

About Infogain

Infogain is a Silicon Valley headquartered company with software platform engineering and deep domain expertise in travel, retail, insurance and high technology. We accelerate the delivery of digital customer engagement systems using digital technologies such as cloud, microservices, robotic process automation and artificial intelligence for our clients.

Why Infogain

- ☑ 27 years of testing experience in digitally transforming Business Assuring solutions
- ☑ Experienced team creating Artificial Intelligence led solutions for Quality Assurance
- ☑ Proven track record with 98% defect-free delivery
- ☑ Business Model with output-based Quality as a Service (QaaS) model
- ☑ Intelligence led quality automation framework with Infogain's UAP platform