



AUTOMATED TESTING IMPROVES QUALITY AND REDUCES TIME TO MARKET FOR PROVIDER OF NETWORKED CRISIS COMMUNICATIONS SOLUTIONS

CLIENT OVERVIEW & REQUIREMENTS

This client is a pioneer in permission-based network management for secured communication

- The company's Windows application had a huge set of regression test cases, which increased time to market due to manual QA efforts
- The company needed to execute the same test suite in different application versions and browsers; all test cases had to be independent and robust to execute in batches on any environment

- The company spent significant time and effort in test data generation and still faced production bug leakage and customer dissatisfaction

KEY CONTRIBUTIONS

- Xoriant developed a robust automation framework to serve all of the client's functional and technical testing requirements
- We implemented libraries dedicated for test data generation using stored procedures and API
- We integrated the solution with a test management tool (ALM) and CI tool (Jenkins)
- The solution supports parallel execution of the test suite across multiple systems, cross-browser testing and localization
- We executed a test case grouping mechanism to optimize test execution flow and reduce execution time
- Global test objects and application-specific libraries reduced maintenance efforts

KEY BENEFITS

- Reduced testing efforts for regression test cases by 70%
- Reduced bug leakage by 40% in cross-browser testing and testing with different browser settings
- Enabled 65% reduction in overall product testing
- Test automation triggers immediately once the build is successful
- Broadened test coverage
- Test execution visibility is available to all stakeholders
- Extensive automation runs identify bugs at an early phase

TECHNOLOGY STACK

- Jenkins
- .XML
- Subversion
- HP Unified Functional Testing
- VB script



About Xoriant

Xoriant is a Silicon Valley based product engineering, software development and technology services firm with offices in the U.S., Europe and Asia. For both technology companies and enterprises, from startups to the Fortune 100, we leverage our expertise in emerging technologies and our high-performing teams to deliver innovative solutions that accelerate time to market and keep our clients competitive.

Across all our technology focus areas –Product Engineering, DevOps, Cloud, Infrastructure & Security, Big Data & Analytics, Data Management & Governance, Digital and IoT –every solution we develop benefits from our product engineering pedigree. For 25 years and counting we have taken great pride in the long-lasting, deep relationships we have with our clients. Learn more at www.xoriant.com.