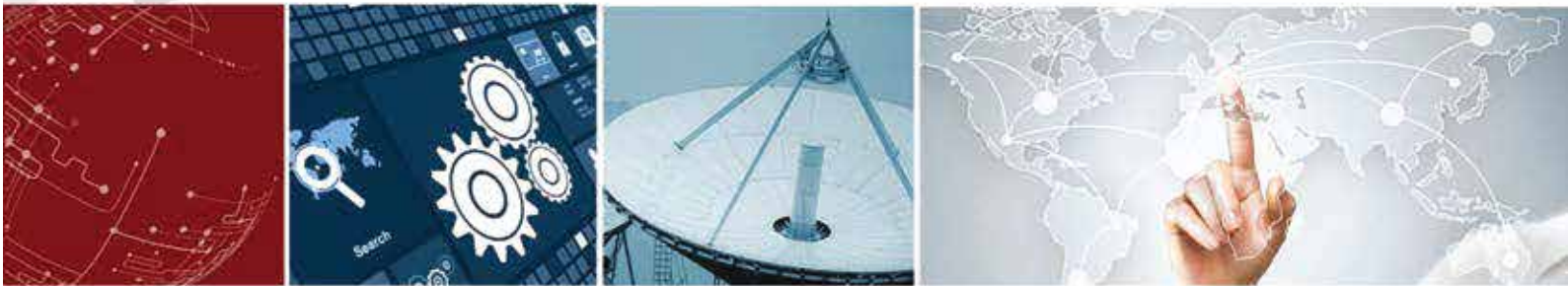


Test Automation Services

For Broadcasting Service Provider



Client Profile

A leading global satellite services provider in the US, providing hybrid delivery technologies. Client is also into designing & manufacturing set-top boxes.

Industry
Satellite Television

Case Overview

Business Problem-

To automate the current test processes and reduce total cost

Solution-

Xavient created automated regression scripts to automate the execution of monthly release and leveraged global delivery model with 80-20 ratio for reduced costs.

Benefits-

- 30% savings on test case documentation effort
- Centralized automation standards across QA
- 30-40 % savings on testing effort

Business Problem

The dynamic and fast-paced environment of the Client's market resulted in unpredictable peaks and troughs of testing demand. On top of it lack of accountability from multiple vendors was also a problem as testing needs were not being planned holistically.

Client had wide range of live applications which were subjected to continuous changes impacting the existing applications. Moreover, manual regression testing pack resulted in large number of unmanageable test cases which impacted release testing. In order to ensure that the unchanged functionality is not affected, regression test packs were developed for each of the applications and the tests were conducted manually. Test cases were being written each month. These test cases would then become part of the regression pack. Thus, over a period of time the regression test pack had ended up with so many test cases, that to test all of them manually in the short time frames became virtually impossible.

Now, in lieu of this, Client was looking at how to bring in innovative approaches without a significant investment in time, with the aim of bringing greater efficiency to the testing process.



Xavient's Solution

Xavient leveraged an onsite-offshore model for this initiative with 80% of the test team located offshore to reduce costing and proposed a solution, which involved automating the execution of monthly release testing. As part of the “automation of monthly release testing”, Xavient’s test team took on the responsibility to create, maintain and run the automated test scripts in tandem with the manual test scripts.

The onsite team sent across the manual regression test cases, which were used for automation. Appropriate coding standards were used to code the automation scripts. The scripts underwent reviews by the offshore and onsite team members. The scripts thus developed were tested and sent back to onsite for some static testing and validations. Xavient’s test team then maintained the automated regression test scripts on an ongoing basis.

Solution Benefits

- **Reduced Time to Market:** Automation resulted in reducing the time taken to complete the monthly release testing, while bringing new features and services to market.
- **Increased Effectiveness of Testing:** Reduction in errors caused reduced defect slippage.
- **Accessing technically skilled offshore resources** enabled the client derive significant costs benefits.
- Automation will complement the testing that will be performed as part of manual test suite.
- Centralized and proper automation standards followed across all project in QA&T.
- Reusability of keyword components across projects leading to 30-40 % savings on automation effort.
- Automated test cases in spreadsheet in the same format as manual test cases ensure 100% mapping of manual and automated test cases and 30% savings on test case documentation effort.
- Optimum utilization of automation resources across projects.
- User friendly test result reports in the form of spreadsheets lead to faster debugging of application issues.



About Xavient Digital, powered by TELUS International

- Headquartered in Simi Valley, CA, Xavient Digital, powered by TELUS International (Formerly Xavient Information Systems), is a leading provider of global IT and engineering services and solutions. Since its inception in 2002, Xavient has grown to be a tier-one IT Professional Services and Solutions provider for telecommunication, broadcasting, manufacturing, retail, and healthcare companies.
- It is the preferred transformation partner across product and vendor evaluation; business process re-engineering; outsourcing and off-shoring; product implementation; custom solution development and IT professional services for several Fortune 1000 companies.
- Xavient leverages its proven expertise in Global Delivery Models with centers of excellence in Application Development, QA & Testing, Managed IT Infrastructure services and IT Application & Production environment.

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