

Success Story

Automation of Monthly Application Release Testing at a US Telecom Major



Customer Requirement

The client has a wide range of applications, addressing different functional areas. There are continuous changes to these live applications impacting the existing applications. Release testing, comprises of testing various applications on a monthly basis. 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 has ended up with so many test cases, that to test all of them manually in the short time frames became virtually impossible.

Xavient's Role

Xavient proposed a solution, which involved automating the execution of monthly release testing. Xavient leveraged an onsite offshore model for this initiative with 80% of the test team located offshore. The tools being used were HP Test Director and WinRunner. 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 maintains the automated regression test scripts on an ongoing basis.

Business 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.

For further information please write to:
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About Xavient:

Xavient Information Systems, headquartered in Simi Valley, CA is a major provider of global IT and engineering services and solutions focused on the telecommunication industry. Xavient's array of IT services include strategic consulting across product & vendor evaluation, business process re-engineering, outsourcing & off-shoring; product implementation & support; custom solution development and IT professional services. Xavient leverages its proven expertise in Onshore/Offshore delivery models with centers of excellence in Application Development, QA & Testing, Managed IT Infrastructure services and IT Application & Production environment support.

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