

Case Study

A US-based leading provider of Class 5 softswitch was seeking an early entry in the market with a feature-rich solution and interoperability across different networks. However they faced challenges in maintaining the quality of the product as testing individual features across various networks was a major hurdle. "End-to-End" testing was one of the key criteria that would be essential to achieving the goals.

The other objectives envisioned were:

- Leveraging the test cases to demonstrate the logical performance of the equipment in various network configurations
- Automating as much of the testing cycle for the product as practicable to save cost
- Defining a test program that will ensure that the products maintain market leadership

ACTi quickly customized an off-the-shelf test automation framework to integrate with the client-specific test tools, and tested various features of the softswitch.

ACTi Solution:

- Support for 14+ product release cycles
- Automation of 5000+ call processing test cases
- Development of 5000+ test cases
- Testing various subscriber features such as call-forwarding, call-waiting, registration and others
- Conformance testing the interfaces included SIP, MGCP, H323, SS7, ISDN and POTS

Benefits for Customer:

- Decreased testing cycles from months to days; Improvement in delivery of business requirements
- Due to repetition of the tests, increased overall quality of the products before product is released
- Automated regression testing
- Quick ramp up and ramp down of resources
- Complementary on-site/offshore time zones improving the time-to-market situation
- Improvement in delivery of business requirements
- Reduced costs and time by internally managing resources
- Flexible staffing based on resource load variations
- Higher cost reduction due to low on-site ratio
- sHigh automation gains