Fortune 50 US Bank
Achieves IT Modernization with Quali CloudShell Intelligent Automation

KEY BENEFITS

CloudShell provides the following benefits to address the customer challenges:

Increased Productivity

Maximize lab assets productivity through automation

Efficiency Enhancement

Accomplish more with less equipment through resource scheduling and conflict resolution

Lower CAPEX

Save additional expenses with out of the box Layer 2 Connectivity orchestration

Massively Scale Out IT Productivity while Dramatically Reducing R&D Infrastructure and Operational Costs.

Customer Profile

This major 150 year old North America based banking institution has over $1.9T in assets, 6000 branches globally, and 260k employees. The network and security team under R&D is a critical component of the customer's overall IT release chain and functions as the single source for validating legacy and next generation IT services and applications.

Business Goal

The primary goal for the customer was to increase innovation agility to meet the growing demand of their digital customers for modern online services, while balancing high levels of security and compliance. At the same time they needed to reduce CAPEX and OPEX spending and enable the R&D and test teams to respond quickly to network infrastructure upgrade requests. Using Quali's CloudShell Lab as a Service (LaaS) approach to their R&D innovation centers tightly integrated with intelligent dev/test automation, they were able to achieve their vision without compromising on security.

Main Challenges

The bank needed to innovate fast and the R&D team was fully on board with an ambitious release plan. However, the director of network and security team in charge of multiple labs faced multiple challenges:

- Prevalent manual processes means slow pace of innovation
- Tedious handoff from requirements gathering to test translates to multiple iterations between the R&D team and the QA team
- Different teams requesting the same physical resources at the same time causes unpredictable service bottlenecks
- Custom scripting prone to bugs and low repeatability further causing compliance deviations at times
- Complex lab management requiring expert knowledge of many different technologies including legacy infrastructure and applications leading to a complex stack built up over the years. Change management brings additional complexity
- Limited budget for additional lab equipment investment meant efficiency has to be 100%

Quali

TOP 4 REASONS

Why Customer Selected Quali CloudShell

1 Integration with Network Fabric

Leverage existing Cisco Nexus 5Ks switching fabric investment to dynamically allocate VLANs for device connectivity in order to further alleviate CAPEX spend.

2 Open APIs and Flexible Architecture

Out of the box integration with Traffic generator solutions such as Ixia Breaking Point and IxLoad and many relevant datacenter infrastructure vendors.

3 Powerful Visualization

A very simple and clean UI makes it easier for better workflow management.

4 On-Demand Self-Service Portal

Self-service capabilities allow end users to select test environments from a standard catalog, which eliminates long wait times and removes bottlenecks.

Quali Solution

The director of engineering evaluated several automation solutions as well as considered building their own solution. In the end, CloudShell proved to be the only solution that could solve their team's challenges and meet their business goals.

Highlights of the Quali solution include:

Private Cloud Operational Model

Using Quali, the team is now delivering a Lab as a Service platform with a standard catalog of test environments available to all the test teams to replace ad-hoc requests in a self-service manner as well as enabling a cloud based operational and consumption model.

Automation and Orchestration at Scale

The Quali solution has replaced manual processes with automated test execution tied to test environments. Lab environments are now dynamically provisioned and configured with standard orchestration for set up and teardown.

Visibility and Ease of Use

Out of the box Business Intelligence dashboards now allow tracking assetutilization and test automation. Simple single pane of glass with interactive sandboxes brings automation to DevOps and non-experts.

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