

# Big Four Bank

## Increases pace of innovation with CloudShell Dynamic Environments

### KEY BENEFITS

Large banks are investing heavily in improving their customer experience with new mobile and digital services, but they cannot afford the risk of a security breach or poor performance. Adopting the CloudShell platform allows them to:

#### Optimize Usage Efficiency

Of virtual and physical test infrastructure.

#### Enable Secure Global Access to All Developers and Testers

Provide a globally accessible, scalable automation platform to accelerate their release cycles.

#### Cut Down End to End Test Plan Times From Months to Days

Introduce automation and link it to dynamic lab environments.

Dramatically increases network reliability and performance in their data center and eliminates bottlenecks in R&D Dev/Test Lab environments.

### Customer Profile

One of the big four US bank, with over \$2T in assets, 4600 locations and over 200,000 employees, needed to optimize the usage of their network labs distributed across 12 datacenters worldwide, for performance and security validation and expose these resources to thousands of remote users for dynamic testing.

### Business Goal

The customer mandate is to increase pace of innovation and eliminate bottlenecks in testing from months to days. At the same time they want to make sure their highly distributed teams can access the bank R&D facilities remotely. Using CloudShell Lab as a Service (LaaS) approach they were able to find in Quali a trusted partner to help them achieve their goals.

### Main Challenges

The director of the network automation and certification labs for the bank, responsible for all aspect of security and performance certification for the core network was facing multiple challenges:

- Management of lab assets was distributed across a dozen sites world-wide, and the customer needed to provide secure remote access to thousands of dev/test engineers to these lab resources
- No visibility or control on this infrastructure consumption meant high capital expenditure on the lab assets.
- Manual provisioning and testing of the infrastructure resulted in long validation and certification cycles.

# TOP 4 REASONS

## Why Customer Selected Quali CloudShell

### 1 Full Stack Environment Modeling

Support for both virtual and physical resources provides the flexibility to model complex environments.

### 2 Instant, On-Demand Self-Service Blueprints

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

### 3 Open APIs and Flexible Architecture

Out of the Box integrations to a wide range of network, cloud and test vendors (Cisco, Ixia...) provide faster time to value.

### 4 End to End Automation

Test automation solution fully integrated to on demand test environments maximize lab assets productivity.

## Quali Solution

In order to meet their business mandates, the director conducted a thorough evaluation for best-in-class automation and orchestration tools and selected the Quali CloudShell solution.

The CloudShell platform provides them the following benefits:

### Visibility and Ease of Use



Single Pane of Glass provides all remote testers with central and secure access to distributed lab environments through a web portal and a consistent experience across teams.

### Automate Provisioning and Test Execution



Replace manual processes with automated test execution tied to test environments, and provide dynamic provisioning of each test bed.

### Maximize Lab Assets Productivity



Using CloudShell built in reservation and scheduling system with conflict resolution for sharing physical resources.