

# Application Modernization with Cloud Sandboxes

## KEY BENEFITS

**Accelerate application modernization** by providing common, re-usable, automated environments for both legacy and new applications across dev, test, and deployment, and avoiding silo'd processes.

**De-Risk application modernization** by ensuring that all the components of your enterprise application, including legacy, test tools, and infrastructure, are reliably captured in your application blueprints.

**Increased Agility** through fully automated, cloud agnostic environments with maximum flexibility that allow multiple teams working on legacy or new apps to work simultaneously.

**Reduced Cost and Risk** by giving dev, test, and deployment teams a single pane of glass with increased visibility into application performance and cost.

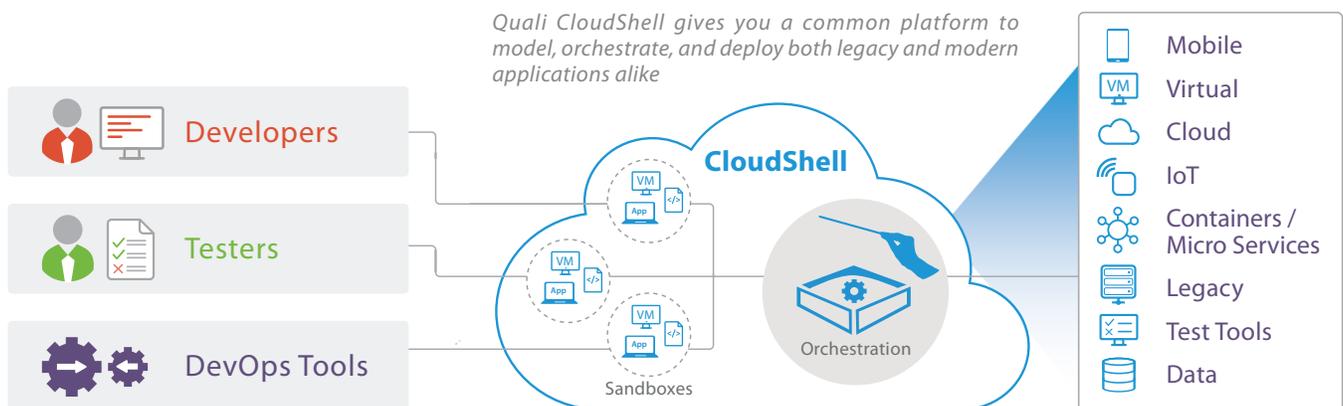
## The Application Modernization Challenge

In today's hyper competitive digital economy, Enterprises are under tremendous pressure to increase their speed and agility. This means moving applications to the web, mobile, and cloud, as well as employing new architectures like containers and micro-services. But dependencies on mission critical legacy applications, silo'd dev and test tools, security/compliance issues, and lack of visibility and metrics can make this transition a challenge.

## Quali's Cloud Sandboxing Solution

Quali's Cloud Sandboxing solution is designed to accelerate your application modernization initiatives by giving you a single tool that allows you to model and deploy complex, full-stack environments that consist of virtual, cloud, mobile, and legacy components. Publish application blueprints for developers, testers, and DevOps/CI/CD tools to consume for speeding development, testing, and deployment legacy and modern applications. Quali's support for orchestrating complex, heterogeneous environments makes it the only tool that allows you to bring both legacy and new applications into a common DevOps pipeline. CloudShell also allows bringing key elements of application environments that are critical for testing into sandboxes including sanitized copies of production data, virtual services, test tools, and load generators.

Now, application development, testing, and deployment of modern applications can be done alongside legacy applications and systems, allowing you to speed and de-risk your app modernization initiatives.



## Key Features

### Abstracted Infrastructure Dependencies

Application templates and blueprints are cloud and infrastructure agnostic, making it easy to create blueprints for both legacy and modern apps using one tool.

### Full-Stack and Legacy Support

Sandboxes can contain all components critical to your evolving application: legacy components, physical infrastructure, virtual infrastructure, applications, your Application under Test (AUT), virtual services, databases, virtual and physical network components, and public cloud infrastructure.

### Visual interface for designing sandbox blueprints

Easily create sandbox environment blueprints simply by using the visual interface to drag and drop infrastructure, apps, test components, and networks.

### Monitoring and Metrics

CloudShell captures metrics to help drive successful migration of apps to new micro-services and cloud architectures. Sandboxes are not only a vehicle for automation, they collect monitoring data during the time that they are running. This data is critical to understanding the impact of new architectures on application function, performance and reliability.

### Dashboards and reporting for DevOps teams

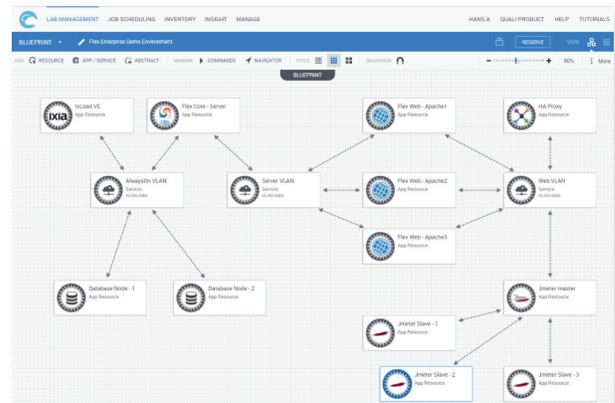
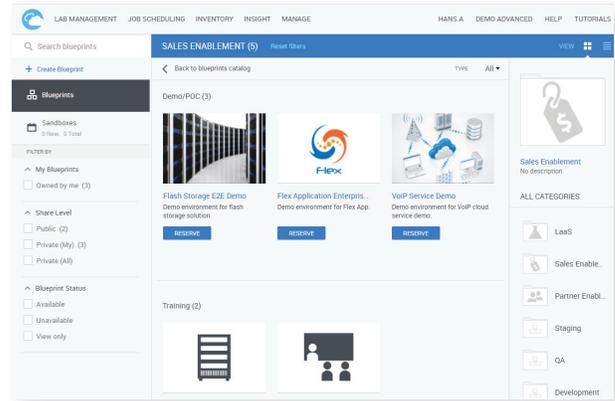
CloudShell is designed to provide resource sharing for entire teams of developers and testers. It provides a complete Business Intelligence database with results of all Sandbox usage. Managers have access to a comprehensive set of reports and dashboards summarizing activity in the labs around Sandboxing. They can manage public cloud usage to manage spending.

### APIs for Easy integration into your CI tools and pipeline

CloudShell comes with a REST API as well as Python and XML API libraries for easy incorporation into your existing DevOps and CI/CD tools and pipeline.

### Community of plug-ins

Plug-ins are available in the Quali community for a growing list of CI/CD tools, including Jenkins, Travis, CloudBees Pipeline, and others. In addition, CloudShell provides publically available deployment drivers for Vmware, AWS, Azure, OpenStack and other virtual and cloud environments. Check out the community at [community.quali.com](http://community.quali.com).



Accelerate and de-risk your application modernization initiatives with Quali Cloud Sandboxes!

## Customer Snapshot Top 5 Consulting Firm

A global top-5 consulting firm uses Quali cloud sandboxes to speed their application and IT modernization initiative. Using sandboxes to automate the creation of production like enterprise hybrid cloud infrastructure environments, they have been able to more rapidly onboard new enterprise applications with less risk of downtime. They've reduced their network, performance, and security testing cycles from **days to minutes** while at the same time introducing **cloud** and **next-gen application architectures**.