

Simplify and Speed Hybrid Cloud Adoption with Cloud Sandboxes

KEY BENEFITS

Accelerate hybrid application releases with a common environment for hybrid cloud dev, test, staging, and deployment of even the most complex hybrid cloud environments

Simplify application migration and bursting with a common framework across virtual, private, and public cloud environments with common tools and automation.

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 advanced analytics and dash-boarding.

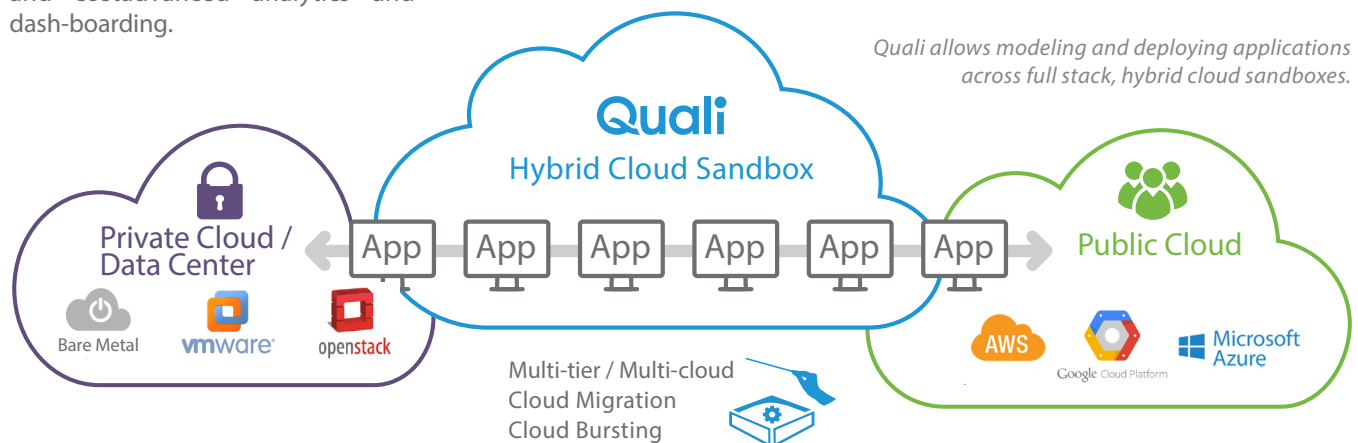
The Hybrid Cloud Challenge

More companies than ever are developing applications in hybrid clouds to get the benefits of on-demand cloud agility while optimizing costs and meeting regulatory and compliance requirements. However, hybrid clouds are complex to deploy due to poor integration, latency issues, and degradation of the application experience. Variation in infrastructure and application stacks can also introduce security and compliance issues, aside from the loss of visibility once a workload moves from a private to a public cloud. Eventually, all these hinder the rate of cloud adoption and introduce risks.

Quali's Hybrid Cloud Sandboxing Solution

Whether you are creating multi-tier apps consisting of both public and private cloud components, migrating workloads between public and private clouds, or developing applications capable of bursting from private to public clouds, CloudShell Cloud Sandboxing software is designed to help you accelerate the development of your hybrid cloud applications. Quali's Cloud Sandbox solution allows you to automate full-stack hybrid cloud environments for development, testing staging, and production deployment of your applications. Test and deploy on both private cloud and public cloud infrastructure with cloud agnostic application templates and fully automated cloud selection within sandboxes.

Now, application development, testing, and deployment can be done as efficiently for hybrid cloud applications as for local or cloud only.



Key Features

Full-stack and Hybrid Cloud

Sandboxes can contain all components – physical infrastructure, virtual infrastructure, applications, your Application under Test (AUT), virtual services, databases, virtual and physical network components, and even public cloud infrastructure. Application templates and blueprints are cloud agnostic and the selection of which environment to run in can be selected at the time of each test run.

Efficient Cost-Optimized Resource Utilization

CloudShell automation does the automatic setup and teardown of Sandboxes. In hybrid environments, this is critical to ensure that VMs and services are not left running in public cloud environments between tests.

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.

Capture Sandbox State

Sandboxes are not only a vehicle for automation, they maintain a context during the time that they are running, allowing you to reproduce the infrastructure and cloud configuration that was associated with any test or deployment. In addition, test results can be integrated with Sandbox data to provide a complete context for auditing purposes.

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 CI tools and pipeline. Check out our developer page on GitHub - [qualisystems.github.io](https://github.com/quali-systems/quali).

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: community.quali.com.



Quickly target applications for hybrid cloud deployment with Quali Cloud Sandboxing.



Customer Snapshot: Cisco

Cisco uses Quali to bring DevOps speed and agility to their network validation center, reducing the provisioning times of complex, production, hybrid cloud environments from **days to minutes**.

"We see considerable value in having consistent DevOps processes across private and public clouds. The ability to spin up sandboxes for Hybrid cloud deployments with standardized environments and end-to-end visibility can allow development and test teams to make the best use of on-premise and public cloud resources, simplify workflows and rollout releases faster with higher quality and reduced risk."

DevOps and IT Architect, Cisco