

Cloud Sandboxes for Private Cloud

KEY BENEFITS

Accelerate Application Delivery with standard blueprint environments for dev, test, staging, and deployment of even the most complex private cloud environments.

Increase Agility through on-demand deployment of application and infrastructure blueprints that support the full stack from legacy to physical to virtual resources.

Reduce Cost through intelligent management of physical and virtual resources. Eliminate VM sprawl; optimize and share resources between teams; maximize lab and data center utilization; gain visibility and usage showback.

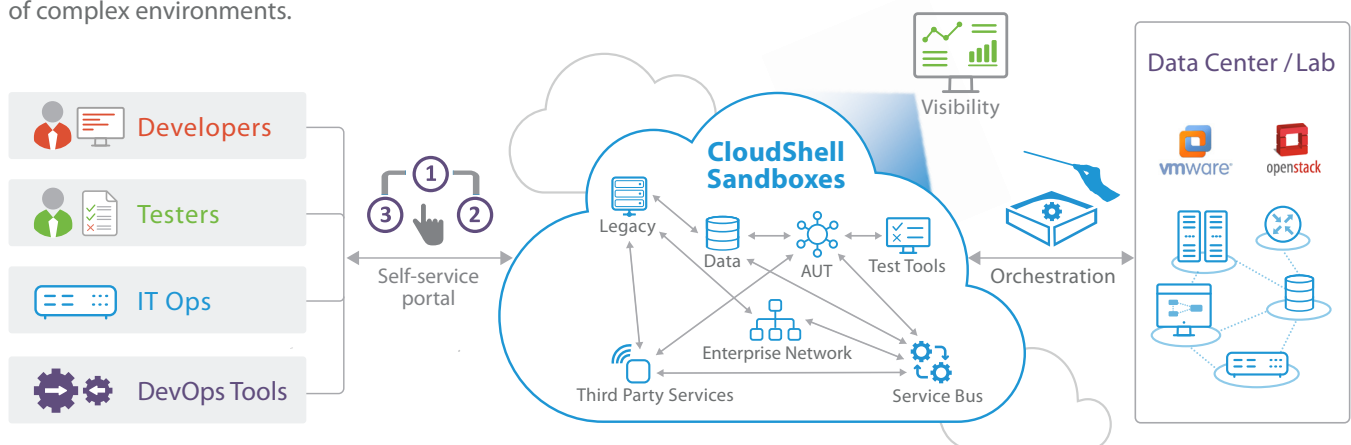
Enable DevOps with easy integration with CI/CD tools, simplifying the most difficult part of continuous pipelines – the creation of complex environments.

The Private Cloud Development Challenge

With the need for ever increasing agility, enterprises are building private clouds to deliver as-a-service offerings to their employees, customers, and partners. Enterprises that are looking for better control, visibility, security, and IT-led governance mechanisms can benefit from private cloud deployments. However, shifting from traditional architectures to a software-defined private cloud can introduce both risk and cost escalations. Furthermore, private clouds are typically highly heterogeneous, needing to address the full-stack including physical infrastructure, VMs, management toolsets, network, storage/data, applications, and test/performance tools.

Quali's Cloud Sandboxing Solution

Quali's CloudShell Cloud Sandboxing Solution gives you an elegant and cost-optimized sandbox platform to model, orchestrate and deploy private cloud environments. Automate the creation of full-stack private cloud environments for development, testing and staging to ensure that your applications are fully tested in their target deployment environment. Create complex environment blueprints and automatically replicate production infrastructure – physical, virtual, and private cloud. Sandboxes also model all other essential components including production data, virtual services, test tools and load generators. With standardized private cloud blueprints you can accelerate private cloud deployments in a cost-effective manner, while still adhering to IT-led governance mechanisms.



Quali CloudShell allows you to model and deploy even the most complex, heterogeneous, private cloud environments.

Key Features

Sandboxes can contain all relevant components - physical & virtual infrastructure, applications, services, databases, and network components. Support for VMWare VMs, OpenStack, KVM, and others. Full-stack support makes it easy to mix physical and virtual resources into a single sandbox.

fully automated deployment and reclamation of sandbox resources ensures that blueprints can be reliably and quickly re-deployed at any time as well as ensuring control of VM sprawl.

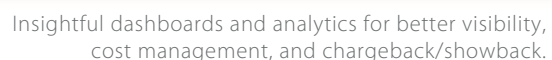
Easily drag and drop application and infrastructure components using the visual canvas to create sandbox blueprints. Self-service portal allows on-demand deployment of private cloud blueprints into live sandboxes.

Sandboxes are not only a vehicle for automation, they maintain a context during the time that they are running. This means that it is possible to save and restore the infrastructure and application configuration at any point in time. Integrate test results with Sandbox data to provide a complete context around test runs for diagnosing failures as well as for auditing purposes.

CloudShell provides resource sharing for entire teams of developers, testers and deployers. It provides a complete analytics database with data for all sandbox usage. Managers have access to a comprehensive set of reports and dashboards summarizing activity in the sandboxes. They can manage private cloud usage to manage spending and minimize the impact of “Shadow IT”

CloudShell comes with a REST API as well as Python and XML API libraries for easy incorporation into your existing CI tools and pipeline. Cloud sandboxes also allow for normalization of toolsets and DevOps processes between on-premises and public or hybrid cloud deployments.

Plug-ins are available in the Quali community for multiple virtualization and private cloud platforms including vCenter and OpenStack as well as network, storage, and compute components. Check out our developer's community at community.quali.com.



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