

CloudShell

Cloud Sandboxing Platform for Automating the DevOps Lifecycle

CloudShell is the powerful cloud sandboxing platform that enables users to create personal replicas of production environments for use throughout the DevOps lifecycle. CloudShell allows organizations to transform their labs and data centers into on-demand, globally accessible, self-service clouds.

Model

CloudShell allows modeling complex, full stack environments consisting of physical, virtual, network, and cloud elements. Through a drag and drop visual interface, users can quickly create sandbox blueprints and publish via a self-service catalog for others to use.



Orchestrate

Visual based workflow authoring and extensive Python interface make creating sandbox orchestration flows easy for developers and non-programmers alike.



Deploy

Sandbox environments can be deployed automatically via a self-service portal or as part of a larger DevOps lifecycle via Sandbox API and integrations with tools like Jenkins, Jira, or SDLC tools.



The Need for Sandboxing

In order to successfully achieve DevOps agility, organizations need to give developers, testers, compliance, and IT Users access to the exact infrastructure environments they need, when they need it.

CloudShell makes this possible

- Model and provision complex infrastructure and application blueprints that can include physical, virtual, cloud, and network components
- Make blueprints available for deployment via self-service catalog or to external processes via Sandbox API
- Allow 24/7 global access to labs and data-centers
- Minimize hoarding by automating setup and teardown of sandboxes on demand.
- Federate global sites into single self-service cloud
- Enable dynamic power control for true "lights out" operations
- Manage, track, and control infrastructure usage down to port level

CloudShell Helps Organizations



Speed Time to Market

Sandboxes slash environment setup and configuration times, reduce QA and validation cycles, enable consistency across lifecycle, and reduce complications when pushing to production.



Increase Quality

By modeling production like environments earlier in the software or product lifecycle, and integrating with continuous processes, defects can be caught earlier, test and innovation shifted left, and overall quality increased.



Reduce Cost

CloudShell turns all your labs and data centers into a common pool of infrastructure resources, ensuring maximum equipment utilization; automated physical layer connectivity improves sharing of costly equipment



Better Visibility

CloudShell tracks all resource usage, power usage, and automation data, making it easy to gain deep business intelligence and planning insights through powerful, web-based, dashboards.



Achieve DevOps Agility

Integration with continuous process tools makes CloudShell the key to automating the full DevOps cycle.

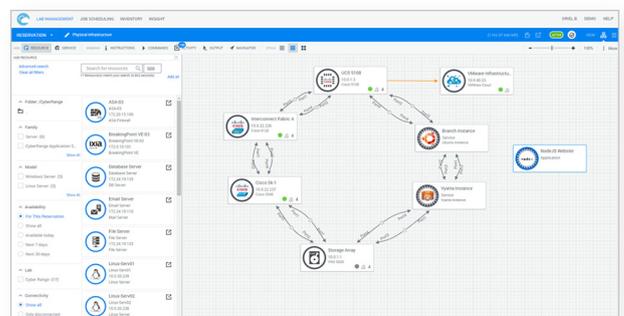
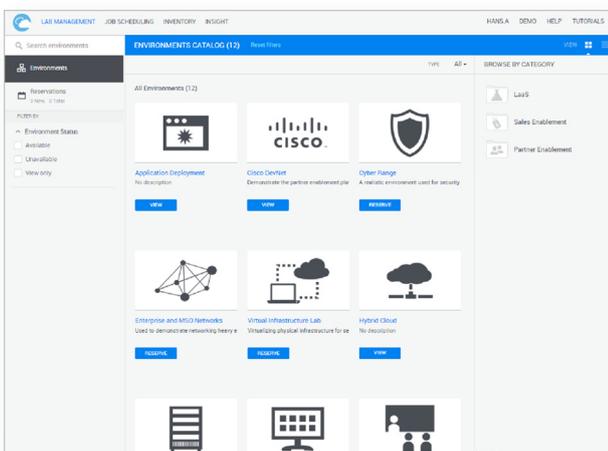
Key Features

Self-Service, Web Based Catalog

CloudShell's web based, self-service catalog allows users to access and deploy sandbox blueprints from anywhere at any time. Multiple data center or lab sites can be federated and accessed via a single cloud based portal.

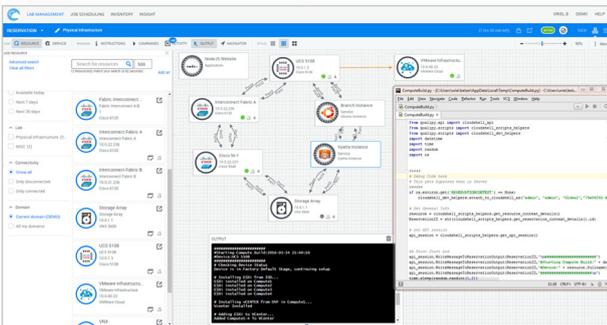
Visual Sandbox Modelling

Users model any range of sandbox environments, from simple VMs to complex end to end environments simply by dragging and dropping data center and lab "Shells" onto a visual canvas.



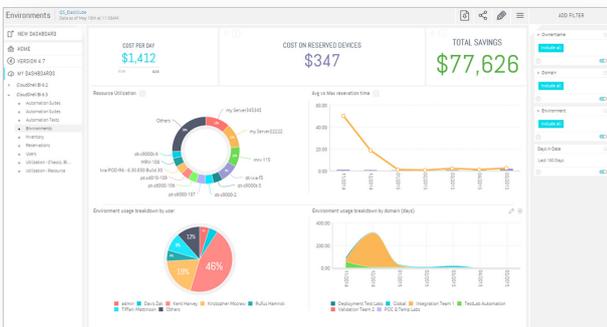
Shells

Shells are the building block components of sandbox environments, representing everything from a VM, to a network switch, a storage array, or a full application. Shells allow user to build sandboxes with full stack network, storage, compute, virtual, and cloud elements.



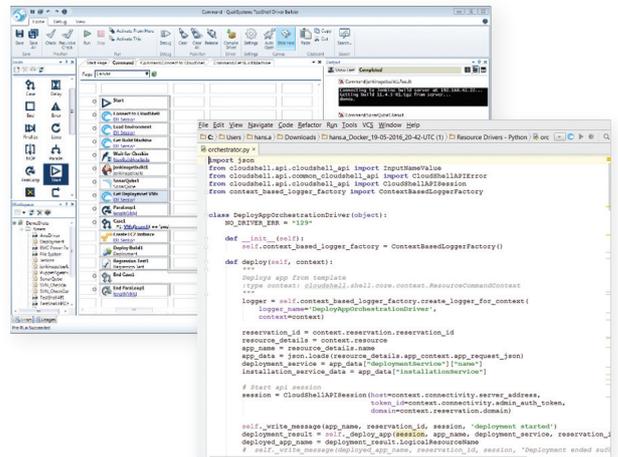
Infrastructure Management and Visibility

Extensive infrastructure management and web-based dashboard visibility gives you full control of your labs and data centers. Track infrastructure utilization, user and group consumption patterns, power cost, virtualization/cloud consumption, and more for full lab and data center insight.



Sandbox Orchestration

Built in orchestration allows quick automated setup and teardown of sandbox environments. Whether it's spinning up a VM, loading firmware on a device, running health checks, or deploying an application, CloudShell dramatically reduces the time to provision and de-provision full end-to-end environments. CloudShell's visual orchestration modelling tool and native support for Python allows both developers and non-programmers the ability to extend CloudShell's built in orchestration and create powerful custom orchestration workflows.



About Quali

Quali is the leading provider of Cloud Sandboxes for automating the DevOps lifecycle. The Global 100 depend on Quali to help them deliver their products and services faster to market with better quality.

Find us at <http://www.quali.com>