

Ixia & Quali

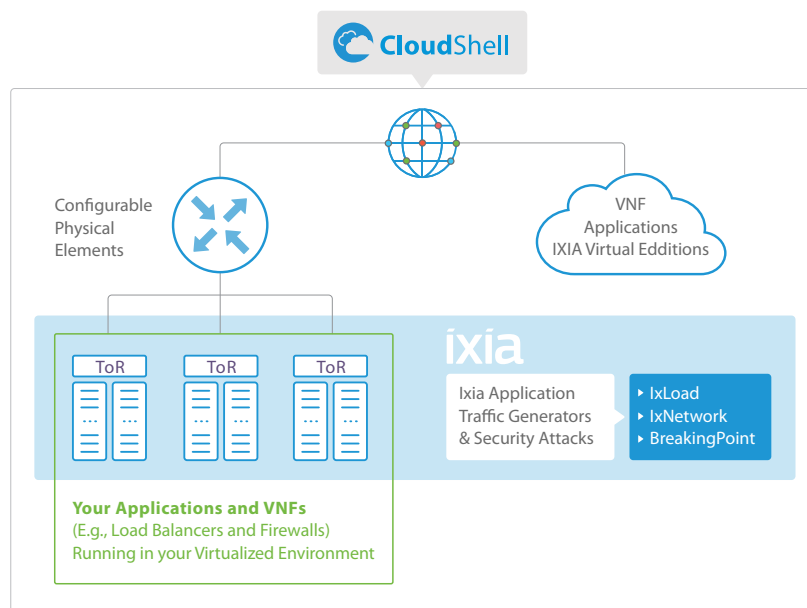
Bringing DevOps Agility to the Network Lab

The Challenge

With innovative apps delivering a growing stream of new services, you need to create and deploy new services faster than ever before. Growing application and service complexity, new capabilities like SDN, and NFV, and new continuous integration and deployment tools, create not only support challenges but also produce new opportunities for innovation. This new reality requires bringing DevOps agility to dev and test labs.

The Solution

Quali's CloudShell Cloud Sandboxing and orchestration platform, integrated with IXIA's full suite of physical and virtualized products, including Breaking Point, IxLoad, IxNetwork and Developer, enable your developers, testers, and operations engineers to quickly create and test complex and realistic sandboxed production networks much earlier in the development cycle, with high quality.



Benefits



- Setup complex testbeds, define realistic traffic, and run tests in seconds
- Provide global, on-demand, self-service access to testbed blueprints
- Increase efficiencies with full lab automation, resource sharing, tracking, and analytics
- Enable dynamic scalability and global multi-tenancy
- Automate with Python, REST APIs, or CLI
- Integrate with continuous process tools like Jenkins, Jira, and Travis

IXIA and Quali's joint solution provides environments that:

- Are available on-demand, reusable, easily replicated, and self-service
- Provision and orchestrate an extensive set of physical, virtual and cloud elements
- Generate real network traffic, diverse application loads and the latest security attacks
- Provide full automation, management and reporting capabilities

Orchestrate Your Dev and Test Labs

Quickly reserve, configure and deploy full stack environments that include physical, virtual, network, and cloud elements, including IXIA's full suite of test and security products, using an easy to use visual drag and drop interface. Orchestrate the setup and teardown of these environments and add custom automation with a visual authoring tool or extensive Python library. Deploy sandboxes automatically from a shared self-service portal or via CloudShell's Sandbox API and integrations with DevOps tool like Jenkins, Jira, or SDLC tools.

Use Cases

Continuous Network Deployment

Accelerate new service time-to-market, by providing an automated Lab-as-a-Service that integrates with DevOps tools and automates provisioning of network environments for fast pre-deployment testing and validation.

NFV Deployment and VNF Onboarding

Accelerate VNF on-boarding by giving NFV vendors self-service access to real network service blueprints, hosted by the service provider, for automatic test and validation of VNFs.

Enterprise Application Deployment Testing

Deploy new applications faster by developing and testing in sandboxes that replicate production environments and accurately mimic production network, application, and security loads.

Cloud Migration Testing

Validate applications and services on new deployment architectures, like private and public cloud, to ensure performance and scalability.

Partner and Developer Ecosystem Clouds

Enable your ISV/IHV partners to quickly develop and certify new applications on your platform through self-service full-stack sandbox environments.

Hybrid Demo Clouds

Cut demo/POC delivery times from weeks to hours, eliminate the cost of on-site demos, and increase sales with a consolidated demo cloud; enable sales and marketing to run demos and PoCs from anywhere in the world at any time.

Security / Cyber Range Labs

Enable teams to run more effective security threat scenarios and cyber-attack exercises with CloudShell sandboxes integrated with Braking Point security solutions.

Together

Ixia and Quali's joint solution gives your business everything it needs to accelerate its dev and test cycles and deliver today's next generation applications and network solutions at DevOps speed.