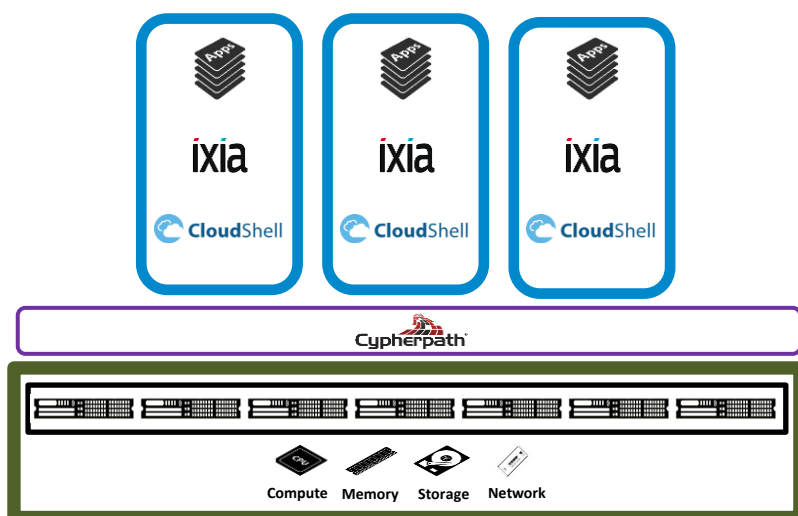# Virtual Test Lab as a Service

The Solution

Our Virtual Test Lab as a Service solution enables your developers, testers, and operations engineers to quickly create and test complex and realistic sandboxed production networks much more easily and earlier in the development cycle.

Our solution can be fully virtualised, or a hybrid including your existing physical test equipment, and depends on Cypherpath's Software Defined Infrastructure. Cypherpath leverages true hyperconvergence to integrate compute, networking, virtualisation, and storage at the OS level providing a platform capable of running infrastructure clouds. The cloud infrastructure is isolated and abstracted away from the underlying physical hardware, enabling multiple cloud environments to be continuously deployed.

Preconfigured inside one of these clouds sits Quali's CloudShell Sandboxing and Orchestration platform, along with any required virtual test equipment such as Ixia's full suite of products; including BreakingPoint, IxLoad, IxNetwork and Developer. Running on the bare metal of a commodity server, and preconfigured to allow instant testing, this solution offers a complete, turn-key solution for testing equipment, all within a single file.

Cloud Environments (Dev – Test – Production)

Bare metal infrastructure

Features

Model Infrastructure and Applications

Create virtual replicas of your production environment to use for development, testing, demos, training and support.

On-Demand

Fully virtualised, the Virtual Test Lab is available on-demand, reusable, easily replicated, and self-service.

Clouds as Files

Each cloud is executed as its own single file and is treated just like a document so it can be edited, copied, shared, and backed up.

Scalability

Scale clouds as needed, on site or in the cloud, and without constraints.

Orchestration

Create powerful orchestration workflows inside of your lab. Snapshot, save, restore, configure, and monitor resources with ease.

Reduce Risk & Improve Product Quality

Your ability to accurately replicate a complex environment in the lab very early in the development process means fewer bugs found in test, QA, production or at the customer level.