

## Asset Orchestration and Automation Solutions for Infrastructure, Test, and Labs

**TSI** is a systems integrator and value added reseller focusing on providing innovative automation and test solutions for network-centric environments. A **TSI** solution may be as simple as automation of a single test for quality and functionality, or as complex as the complete orchestration of a Data Center or Cyber Range infrastructure.

**TSI's** award winning support and services team combined with our industry leading vendors allow us to offer off the shelf and custom solutions for both commercial and government (Secret Level clearance) customers.

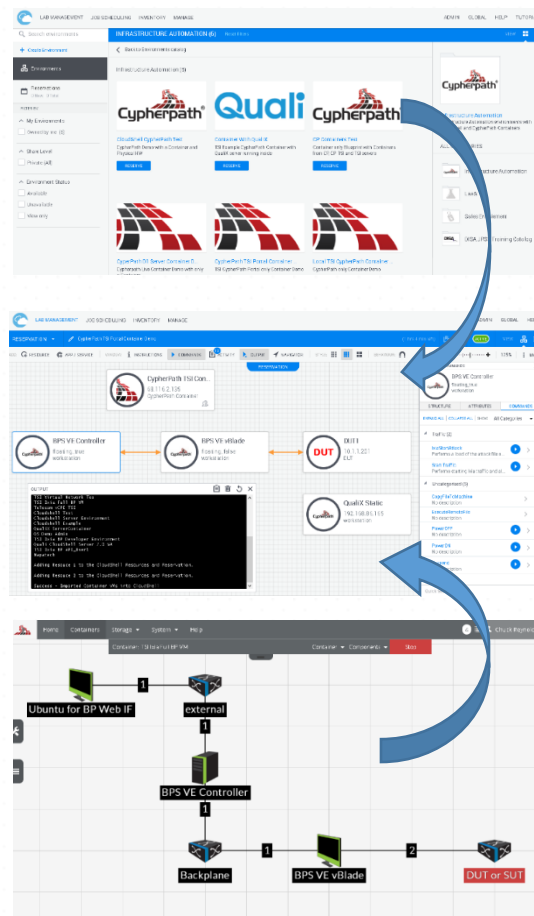
**TSI's** solution offerings include, but are not limited to, the orchestration and automation of the following applications and markets:

- **Applications:**

- Cloud 'Sandboxes'
- Cyber Ranges
- Data Centers
- DevOps, DevTest, Continuous Integration
- Proof of Concept, Demo, and Partner Portals
- PaaS, IaaS, LaaS
- Test and QA Labs
- NERC CIP Compliance
- vCPE

- **Markets**

- Department of Defense Labs and Cyber Ranges
- Cable and Telecom Service Providers
- Utility and Energy
- Network and Telecom OEMs
- Equipment Resellers and Hardware Integrators
- Cloud – Private and Public
- Ixia Test Environments



**TSI** can help you eliminate the waste of manual tasks, while simultaneously improving the quality and performance of your processes and deliverables – let's have that conversation.

**Celebrating 29 years of delivering high performance solutions from Quali, Cyperpath, IXIA, MRV, Calient, Tegile, Device Partner and GL Communications!**

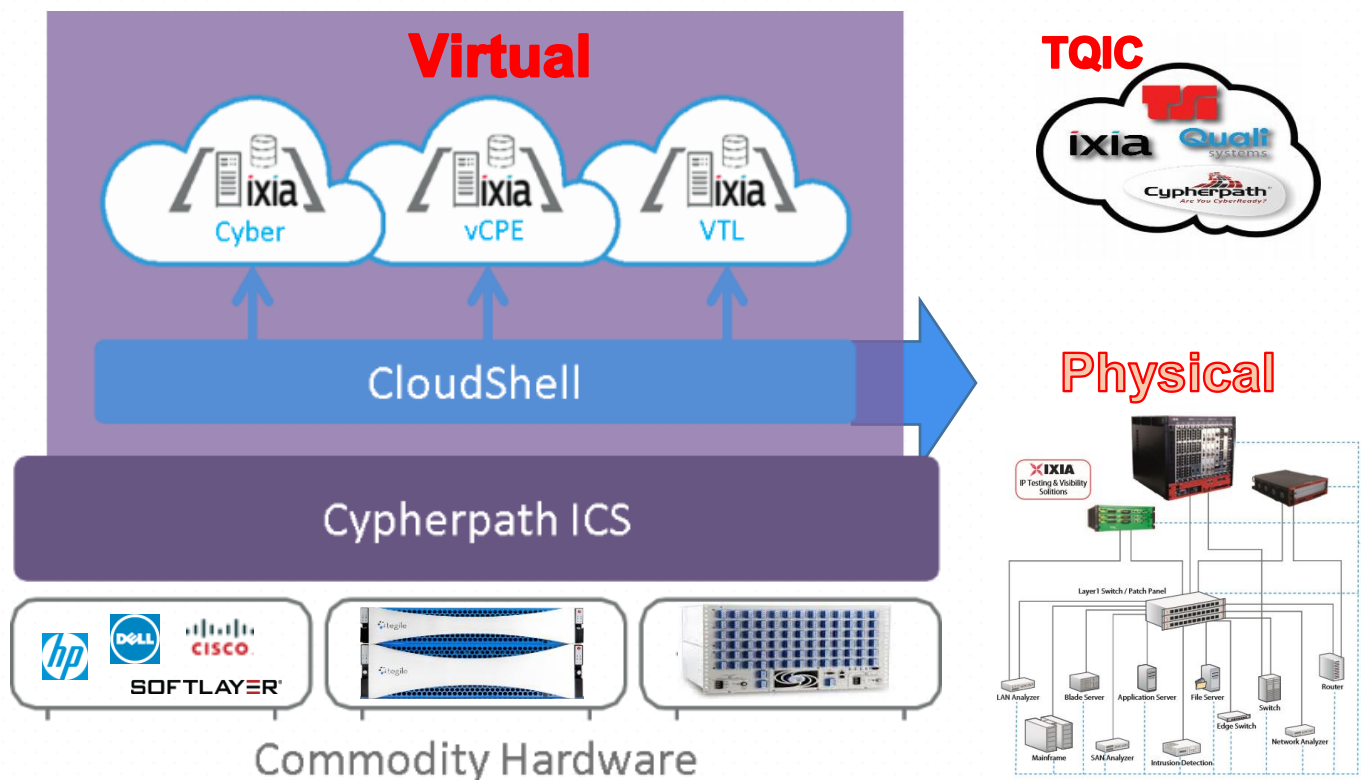
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## TSI Quali Ixia Cypherpath - Virtual Test Lab as a Service – TQIC Solution

TSI provides a COTS orchestration, automation, and virtualization platform for self-service test utilizing technology from Quali, Ixia and Cypherpath. Cypherpath provides infrastructure network containers that can host virtual environments including Quali's CloudShell and Ixia's Traffic Generators allowing for self-service environments for your testing and DevOps consumers to facilitate easy use and deployment of Ixia's PerfectStorm (Breaking Point), Developer, IxLoad, IxNetwork and other traffic generators. Our web portal based framework, Quali's CloudShell, automates infrastructure orchestration, asset communication, test execution, discovery, data aggregation, and analysis. Automation includes but is not limited to **asset/device communication, infrastructure orchestration, processes within and outside the infrastructure, test execution, discovery, data aggregation, application/service delivery, and analysis.** Applications include LaaS, IaaS, PaaS, DevOps and other **Sandbox** implementations such as **training, test or cyber range labs.**

TSI's TQIC solution also provides a unique infrastructure container from Cypherpath which allows **complete virtualization of the System or Device Under Test AND the testing equipment/tools.** This technology provides support for **Hyper-converged hardware** which offers **unparalleled security, speed, and portability and support of almost any DevOps flow.**



Additional Products from TSI to Complement the Solution:

- On-demand IT infrastructure via virtual network containers
- Solutions to test, validate, secure, and optimize networks
- 3D MEMS Optical Switching
- Layer 1 electrical and OEO switching solutions
- Flash and hybrid storage arrays

