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The Orchestration and Automation of Environments as a Service

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Abstract:

Environment and Infrastructure Orchestration and Automation. The need for infrastructure access is exploding. Whether hosted on-premises, in the cloud, or in a hybrid environment, the teams responsible for executing the strategy have the need to access infrastructure, data, and application resources quickly. Their goals and expectations depend on it.

TSI customers balance speed and innovation with governance and control through an Environments as a Service approach. End users access pre-built blueprints containing all the resources for the environments they need, while administrators control how the resources in those blueprints are used. Whether to support application development, QA testing, network labs, testing labs, training and exercise ranges, or simply IT operations, TSI customers provide self-service access to the infrastructure and workflows their teams need while enhancing productivity and security.

TSI's AgileWARE, powered by Quali CloudShell, provides self-service access to complex network environments with a mix of physical and virtual components. As such it provides for a variety of distinct use cases:

- Cyber testing, training, and exercises
- Network development and test
- Network certification
- Training in general

TSI's Environment as a Service approach is a new way to provision and access infrastructure - one that actually fits the needs of the enterprise. By abstracting away complexity and providing self-service access to infrastructure and workflows, TSI customers are equipped to optimize the value of their infrastructure investments while incorporating legacy, present, and future assets.

TSI ties our intelligent orchestration and automation framework with a new PCIe based network fabric (less than 200ns server to server latency) which when combined offer an incredible ability to recompose high performance compute infrastructure as required for the job at hand while totally eliminating the PCIe to Ethernet translation layer in your network. Automation and speed are key - we have to do things faster and with greater accuracy.