



HPC as a Service

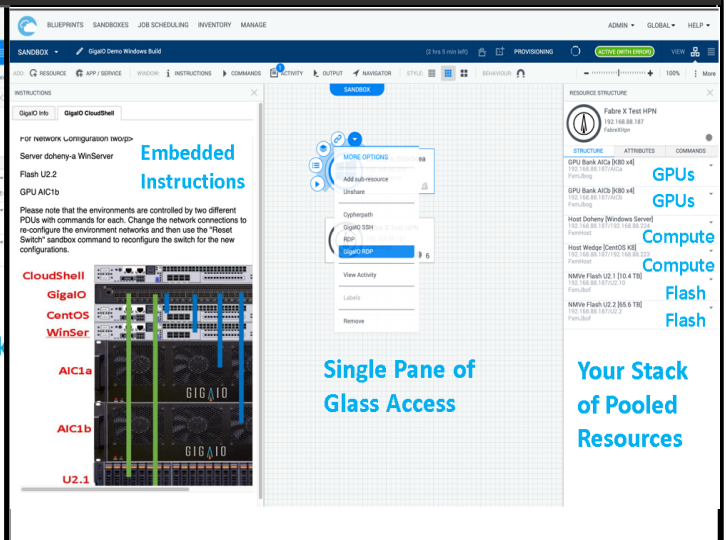
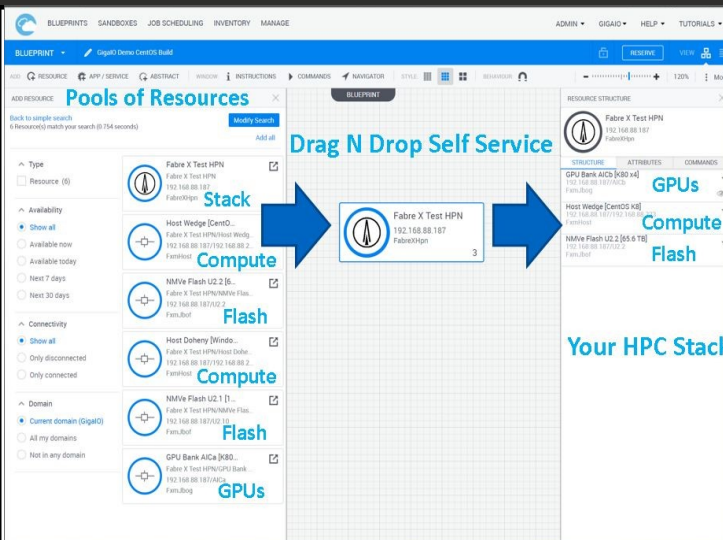
Rack Scale Design HPC Infrastructure Provisioning with
TSI CloudShell and GigaIO FabreX™

Optimize Your Infrastructure For Every Job and Workflow



GIGAIO
Next Generation
Network

CloudShell
Infrastructure
Automation Framework



WWW.TSIEDA.COM info@tsieda.com



- Infrastructure Automation Framework enabling IaaS, PaaS, SaaS, DevOps and HPCaaS environments
- Enterprise level, agnostic data center/cloud/converged infrastructure provisioning and orchestration framework

HPC as a Service

- Self Service web based portal for all infrastructure
- Cloud, vendor, app/service agnostic support
- Deployable On-Prem or as SaaS
- Visio like drag and drop GUI
- Reservations & Scheduling, Multi-tenancy
- Scalable and standards based
- Business Intelligence metrics built in
- Instruction panes for training support
- Catalogs of Sandbox environments
- Save and Restore Snapshots of Sandbox



- FabreX™ PCIe Network Fabric
- 100% Compliant with PCIe SIG
- Full end to end latency below 500 nsec
- PCIe Gen4 Support—256 Gbit/s (Half Duplex), Gen5 .5Tbit/s
- On demand composition of resources
- Match workflow to dynamic Infrastructure for best fit

- Easily share expensive resources between multiple servers with lowest latency and highest bandwidth
- Tune CPU/GPU/Storage for each application
- Lower Capex for upgrades with independent upgrade cycles supporting PCIe Standards
- Unlimited scale potential with NVMe-oF/GDR
- Natively runs multi-server applications
- Open source APIs for easy integrations
- Out of the box integration with TSI CloudShell

SYSTEMS INTEGRATOR AND AUTHORIZED RESELLER FOR



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