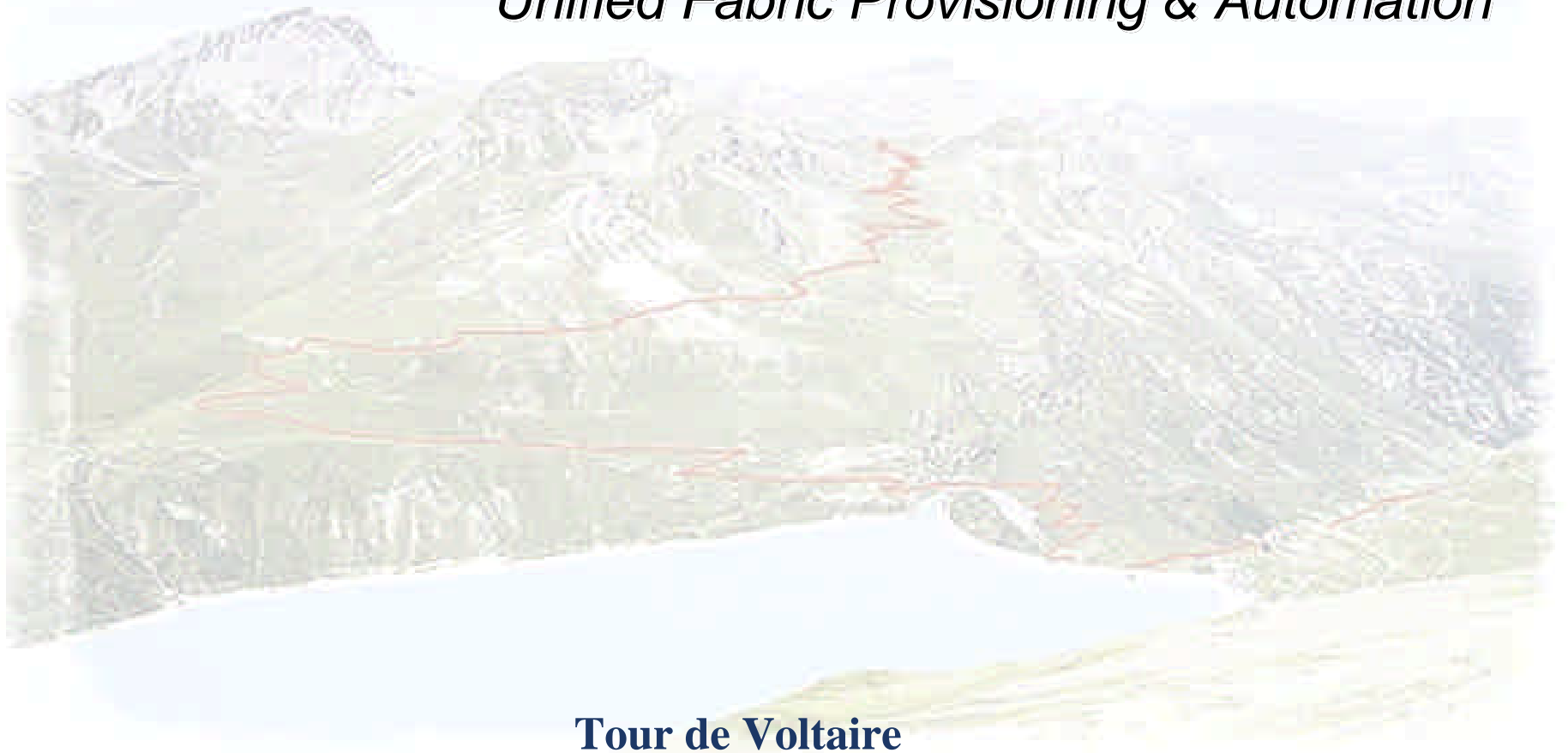



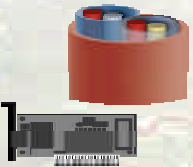

IO and Fabric Virtualization

Unified Fabric Provisioning & Automation



Unified & Automated Server Fabric: The Missing Link in Next Gen Data Center



	Consolidate	Virtualize	Automate
	manage fewer elements	Carve to smaller / sizable elements	Migrate, Provision, Adapt
Compute 	Multi-Core, Clustering	Intel VT, VMWare, Xen	VMotion, Opsware
Fabric 	Today: Multiple adapters and switches, high power physical handling, Complexity, NO automation		
Storage 	RAID, Clustering	Volume Management	Snapshots, Backups, ILM

Unified Fabrics Enable consolidation, virtualization and automation of the Data Center

Unified Server Fabric



Also known as “unified fabric” or “converged fabrics” or “fabric consolidation”

▣ Single, High Performance Fabric

- Consolidate Server, storage, management
- Infinitely scalable, programmable
- One physical wire to each device, multiple logical connections

▣ Efficiently Integrated with Applications

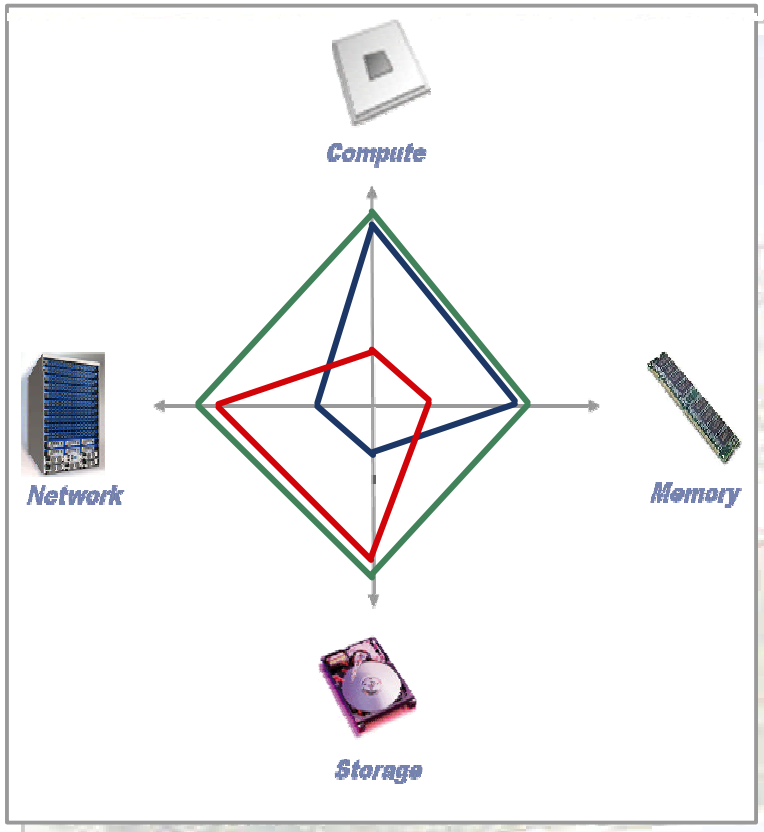
- Focus on maximizing end to end application performance
- Seamless Integration with key applications

▣ Highly Automated Fabric Management

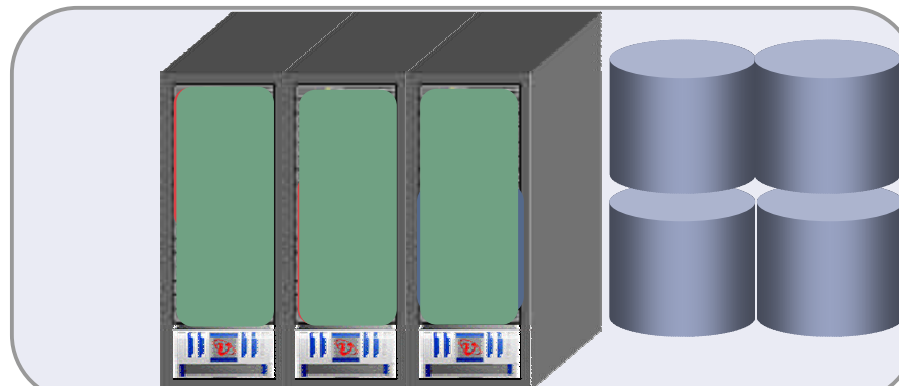
- Complete fabric virtualization and automation
- Mapping Service Oriented requirements to Infrastructure (SOI)

Partition / Virtualize to Meet Application Needs

Infrastructure Services



Physical Infrastructure



Logical Infrastructure

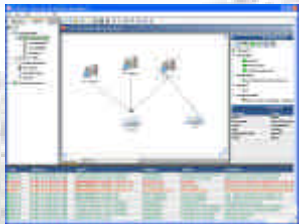


Applications requirements dynamically map to infrastructure

Automation - Simplify Deployment and Maintenance



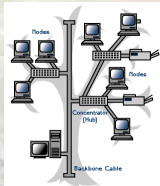
1. Auto discover server, storage, and fabric resources



2. Document Application Requirements



3. Allocate, Partition, and Configure Application Resources



4. Connect According To Application Layout and Preferences

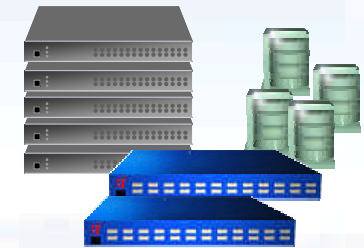


5. Initiate, Verify services and Infrastructure

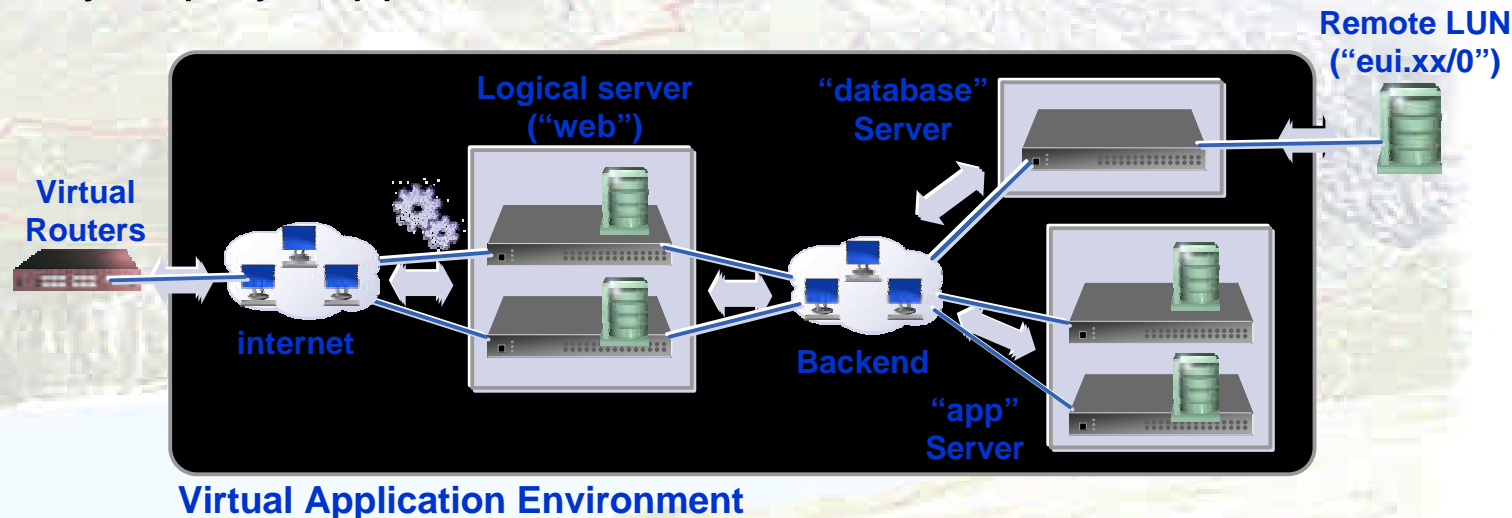


Unified Fabric Provisioning

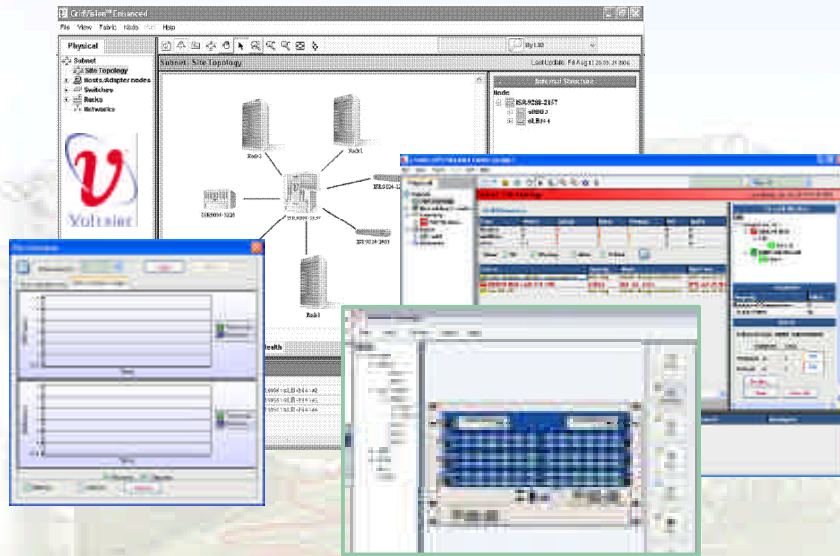
1. GUI definition of application computing needs (type & number of servers)
2. Provisions Compute, Storage and Networking resources to create an application environment (Virtual Cluster)
3. Dynamically deploys application environments



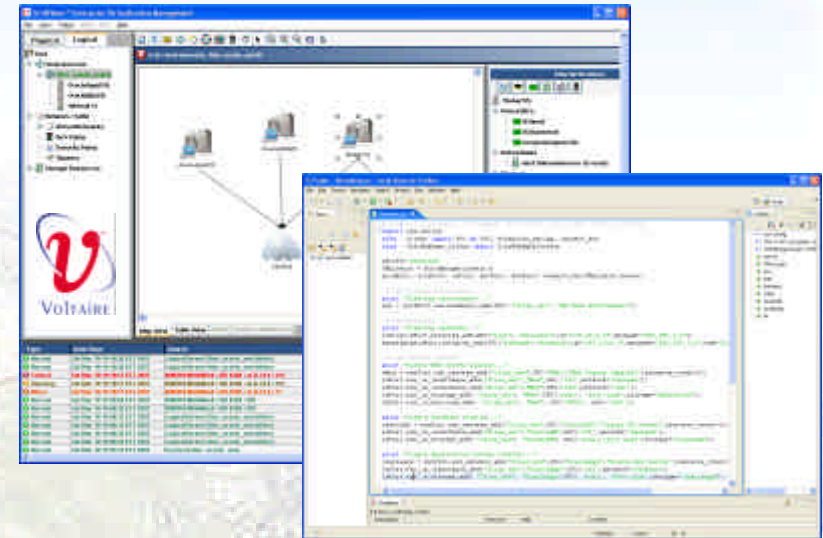
Unassigned resources pool



GridVision™ Unified Fabric Management



**Element management,
Monitoring, Health**



**Provisioning, Virtualization
& Automation**