



DISASTER RECOVERY



ETI understands that data is the lifeblood of your business. Making sure that your critical data, applications, and systems are protected and quickly recoverable in the event of a disaster or outage is paramount. ETI offers a quick and cost-effective way for you to deploy a DR solution.

MAKE DR AFFORDABLE

Pay only for the resources you use and reduce operating expenses by leveraging our resources, not yours, so you can focus on your core business.

ADDRESS COMPLIANCE MANDATES

Meet PCI, HIPAA, SOX, and other mandates with Type II SSAE 16 SOC 1 & 2 compliant data centers. Environments are safeguarded by extensive processes and personnel.

ENSURE FAULT TOLERANCE

Geographically diverse cloud nodes eliminate single points of failure. Our resilient environment is backed by both RTO and RPO guarantees for every application type.

INCREASE BUSINESS FLEXIBILITY

Blend both your cloud and physical resources into a single environment while maintaining 100% control. Instant scalability of resources accelerate recovery operations.

60% of companies that lose their data will shut down within 6 months of the disaster**

93 percent of companies that lost their data center for 10 days or more due to a disaster filed for bankruptcy within one year of the disaster.

USE CASES

Only a small portion of DR events are due to natural disasters. Events include:

- <1% - Natural disasters.
- 13% - Unplanned occurrences such as application failures or operator error.
- 87% - Planned occurrences such as maintenance windows and routine updates.*

WHY ETI?

- Data centers in six geographies ensure geographic diversity at the time of disaster.
- 24/7 support.
- RTO and RPO SLA guarantees for mission-critical to priority-level applications.
- Cloud platform built using current and next-generation servers and storage – not cobbled together with excess equipment.
- Layer 2 connectivity provides low latency and enables creation of a global network (same IPs) for easily portable virtual machines.

*Gartner Research Survey

**National Archives & Records Administration in Washington



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TECH SPECS



Application Type	Recovery Objectives	Compute Resources	Storage Resources
Tier 0 Applications	RTO: < 10 minutes RPO: < 1 minute	Highly available, production-class, dedicated resources 100% SLA	Replicate to the same disk tier as your production storage environment (SAS, SSD, SATA)
Tier 1 Applications	RTO: 1 hour RPO: 15 minutes	Dedicated compute resources On-demand resources ready and available at time of disaster	Replicate to SATA Reserve SSD /SAS for long-term outages
Tier 2 Applications	RTO: 24 hours RPO: 4 hours	Dedicated compute resources On-demand resources ready and available at time of disaster	Replicate to SATA Reserve SSD /SAS for long-term outages
Tier 3 Applications	RTO: 48-72 hours RPO: 24 hours	Compute resources available upon reservation	Based on ETI backup services powered by Peak Written to SATA disk



Compute Environment	Open Compute 2.0 sleds; all solid state including boot	Intel E5: 1-2 sockets 64-256 GB RAM Intel E3: single sockets 32 GB RAM AMD: 2-4 sockets 32-128 GB RAM
	Cisco UCS B-Series; all solid state including boot	Intel E5: 1-4 sockets up to 1.5 TB RAM



Data Center Environment	Compliance	SSAE 16 SOC 1 and 2 Type II, HIPAA, PCI-capable
	Environmental	N+1 (or better) redundancy for power and cooling A B + C AC power circuits N+1 fan and power supply minimums



Networking	Host Network	Redundant connections for isolated storage, interconnect, and application networks	Native dual 10 Gbps; active-active to host
	Network Fabric	High performance distributed core 10 Gbps technology	600 nanosecond port-to-port latency Non-blocking fabric
	Storage Fabric	Redundant, high-performance connections with optimized path to hosts	Up to 40 Gbps per storage node Low-latency IP transport



WAN	Carrier	Multi-carrier blend of Tier 1 and Tier 2 providers, dynamic routing and peering provides sub-40ms latency coast to coast
	Interconnect Fabric	TRILL-based (Transparent Interconnection of Lots of Links) patent-pending layer 2 network topology .3 ms convergence Any subnet anywhere, multi-tenancy Virtual Routing Forwarding (VRF)



Annual Testing	Two 7-day test periods each year help ensure your DR solution is working as planned, without interrupting your normal business operations
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Options	Object-oriented Storage for Tier 4 applications
	Software licensing options available for VDI, backup, recovery, and DR
	Available for purchase through VMware Cloud-Credit program
	Cloud migration services by RiverMeadow

