



## USE CASE DISASTER RECOVERY

Faction 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. Faction 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.

### USE CASES

**Natural Disasters.** Unforeseen events such as floods, fire, earthquakes and hurricanes.

**Unplanned Occurrences.** Events such as such as application failures or operator error.

**Planned Occurrences.** Events such as maintenance windows, routing updates, and DR testing.

### WHY FACTION?








- » Data centers in eight geographies ensure geographic diversity at the time of disaster.
- » 24x7 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.

**60 PERCENT**  
DO NOT HAVE A DR PLAN.

**40 PERCENT**  
ADMITTED THEIR CURRENT  
DR PLAN DID NOT PROVE  
USEFUL WHEN RESPOND-  
ING TO THEIR DR EVENT OR  
SCENARIO.\*

## DISASTER RECOVERY

### TECH SPECS

 <b>COMPUTE ENVIRONMENT</b>		Open Compute 2.0 sleds; all solid state including boot	<ul style="list-style-type: none"> <li>» Intel E5: 1-2 sockets 64-256 GB RAM</li> <li>» Intel E3: single sockets 32 GB RAM</li> <li>» AMD: 2-4 sockets 32-128 GB RAM</li> </ul>
		Cisco UCS B-Series; all solid state including boot	<ul style="list-style-type: none"> <li>» Intel E5: 1-4 sockets up to 1.5 TB RAM</li> </ul>
 <b>DATA CENTER ENVIRONMENT</b>	<b>Compliance</b>	SSAE 16 SOC 1 and 2 Type II, HIPAA, PCI-capable	
	<b>Environmental</b>	N+1 (or better) redundancy for power and cooling	<ul style="list-style-type: none"> <li>» A B + C AC power circuits</li> <li>» N+1 fan and power supply minimums</li> </ul>
 <b>NETWORKING</b>	<b>Host Network</b>	Redundant connections for isolated storage, interconnect, and application networks	<ul style="list-style-type: none"> <li>» Native dual 10 Gbps; active-active to host</li> </ul>
	<b>Network Fabric</b>	High performance distributed core 10 Gbps technology	<ul style="list-style-type: none"> <li>» 600 nanosecond port-to-port latency</li> <li>» Non-blocking fabric</li> </ul>
	<b>Storage Fabric</b>	Redundant, high-performance connections with optimized path to hosts	<ul style="list-style-type: none"> <li>» Up to 40 Gbps per storage node</li> <li>» Low-latency IP transport</li> </ul>
 <b>WAN</b>	<b>Carrier</b>	Multi-carrier blend of Tier 1 and Tier 2 providers, dynamic routing and peering provides sub-40ms latency coast to coast	
	<b>Interconnect Fabric</b>	TRILL-based (Transparent Interconnection of Lots of Links) patent-pending layer 2 network topology	<ul style="list-style-type: none"> <li>» .3 ms convergence</li> <li>» Any subnet anywhere, multi-tenancy</li> <li>» Virtual Routing Forwarding (VRF)</li> </ul>
 <b>HOST VIRTUALIZATION</b>		Licensed monthly based upon consumed RAM	<ul style="list-style-type: none"> <li>» VMware vCloud Director, vCloud API</li> <li>» VMware vSphere Enterprise Plus</li> <li>» VMware vShield, vShield Edge</li> </ul>
 <b>STORAGE TIERS</b>		Underlying data storage volume served from multitenant, redundant network attached storage	
	<b>High Performance</b>	SAN attached flash-enabled for high availability, performance, flexibility and host persistence	<b>NetApp Features &amp; Protocol Support</b> <ul style="list-style-type: none"> <li>» RAID DP, WAFL, VSAN, clustered Data ONTAP®, associated features, multipathing</li> <li>» File Protocols: NFS</li> <li>» Block Protocols: ISCSI</li> </ul>
	<b>Standard Performance Optional</b>	SAN attached flash enabled for high availability and flexibility. Volume dependent.	
	<b>Archival Optional Add-On</b>	NetApp Block Storage using ISCSI Protocol	
		File Protocols: NFS, CIFS	<ul style="list-style-type: none"> <li>» REST and CDMI compliant over http/s.</li> <li>» NFS/CIFS compatible in data center</li> </ul>
 <b>OPTIONS</b>		Software licensing options available for VDI, backup, recovery, and DR	
		Available for purchase through VMware Cloud-Credit program	
		Cloud migration services by RiverMeadow	

#### OUR PARTNERS



**FACTIONINC.COM**  
**855.532.4734**