FACTION
Join the Cloud Revolution

## USE CASE
# VIRTUAL DESKTOP INFRASTRUCTURE

In today's always-on world, employees work from anywhere and everywhere at all times of the day and night, using a variety of devices. With Faction®, end users can access data and applications no matter where they are and regardless of what device they are using.

### FACILITATE IT GOVERNANCE

Set and enforce organizational standards, align desktop computing with overall business objectives, and simplify software licensing compliance with our centralized control.

### IMPROVE MOBILITY

Access your desktop anytime, anywhere, on any device with our low-latency cloud node connections that span six geographies world wide.

### IMPROVE SECURITY

Ensure your desktop environment is secure by hosting it in on dedicated platform in our redundant, resilient, and compliant enterprise-class data centers.

### MEET GREEN INITIATIVES

Replace PCs with thin clients or zero clients and eliminate network infrastructure at remote offices to significantly reduce power consumption.

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### USE CASES

**Disaster Recovery and Regulatory Compliance.** Enable continuous access to end-users' desktops and help achieve HIPAA and other regulatory compliance.

**Corporate Expansion and Remote Office Computing.** Quickly plug into the parent information system simply by accessing the corporate virtual desktop.

**Converged Desktop.** Utilize one converged device as the virtual desktop, phone, and video.

* http://www.businesswire.com/news/home/20130115005594/en/Dimensional-Research-Report-Depicts-2013-Year-VDI

### WHY VDI ON FACTION'S CLOUD?

- Aggregated performance—without capital expense—that only an infrastructure of our magnitude can provide.
- 24x7 customer support and 100% availability Service Level Agreements (SLAs).
- Patented private Layer 2 pathways to Faction's cloud on your existing carrier. Bring your network 'as is' without investing in costly and time consuming re-designs of vLANS, VPNs, IP schemas and topologies.
- Dedicated network connection from your premise to our cloud.
- Data centers spanning eight geographies worldwide reduce latency of critical applications.

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**NEARLY 50%**

**OF SURVEYED IT PROFESSIONALS HAVE CURRENT IT STRATEGIES THAT INCLUDE VDI***

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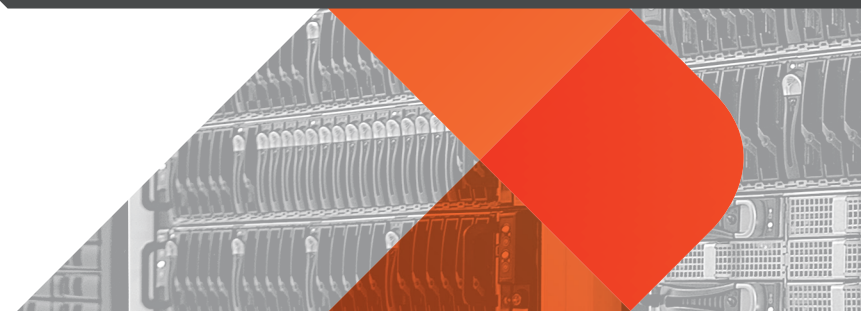

# VIRTUAL DESKTOP INFRASTRUCTURE

## TECH SPECS

| | | | |
|---|---|---|---|
| COMPUTE ENVIRONMENT | | Open Compute 2.0 sleds; all solid state inluding boot | » Intel E5: 1-2 sockets 64-256 GB RAM<br>» Intel E3: single sockets 32 GB RAM<br>» 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<br>» 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<br>Non-blocking fabric |
| | **Storage Fabric** | Redundant, high-performance connections with optimized path to hosts | » Up to 40 Gbps per storage node<br>» 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<br>» Any subnet anywhere, multi-tenancy<br>» Virtual Routing Forwarding (VRF) |
| HOST VIRTUALIZATION | | Licensed monthly based upon consumed RAM | » VMware vCloud Director, vCloud API<br>» VMware vSphere Enterprise Plus<br>» VMware vShield, vShield Edge |
| STORAGE TIERS | | Underlying data storage volume served from multitenant, redundant network attached storage | |
| | **High Performance** | SAN attached flash-enabled for high availability, performance, flexibility and host persistence | **NetApp Features & Protocol Support**<br>» RAID DP, WAFL, VSAN, clustered Data ONTAP®, associated features, multipathing<br>» File Protocols: NFS<br>» Block Protocols: ISCSI |
| | **Standard Performance** Optional | SAN attached flash enabled for high availability and flexibility. Volume dependent. | |
| | **Archival** Optional Add-On | NetApp Block Storage using ISCSI Protocol | |
| | | File Protocols: NFS, CIFS | » REST and CDMI compliant over http/s. NFS/CIFS compatible in data center |
| OPTIONS | | 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

NetApp Service Provider

cisco Powered

vmware vCLOUD POWERED

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