V3 Appliances –
Simplifying Virtual Desktop Deployment & Management

Highlights

- Easy Deployment
- Breakthrough Simplicity
- Consistent Performance
- Scalable to 10,000 Desktops
- Built-in Management
- No training required
- Superior TCO
- Secure

V3 VDI appliances dramatically simplify, streamline and cost-reduce infrastructure administration while improving the quality of user experience and shortening data access time.

The V3 Appliance is a hyper-converged turn-key infrastructure that integrates compute, storage, network interface, hypervisor infrastructure, and powerful management software. V3 technology eliminates the performance bottlenecks, installation problems and unpredictable scalability of traditional Virtual Desktop Infrastructure (VDI) deployments.

The benefits and cost savings are dramatic compared with both physical desktops and traditional, multi-vendor VDI. Users experience both superior performance and increased productivity. Total cost of ownership is significantly lower including acquisition, maintenance, administration, power consumption and cooling

The Complete Solution Available Now from Sphere 3D. Sphere 3D delivers the complete turn-key solution including V3 VDI appliances, VMware licenses, SnapServer Network Attached Storage (NAS), and SnapServer Scale-out NAS. Overland and its partners also provide pre and post-sale services including architecting, pre-sales engineering, installation, training, consulting and customization.

Why VDI? VDI allows organizations to break the physical laptop and workstation hardware replacement cycle by using server-based virtualization technology and low-cost thin clients or users' own mobile devices (BYOD). VDI has many advantages over physical PCs including:

- Lower TCO over three to five years
- Much greater, simpler capability for deploying, managing and securing
- Easier for IT staff to deploy and manage large numbers of desktops
- Enhanced flexibility to meet new and changing requirements
- Decreased total energy consumption and heat output

Traditional VDI are often complex, expensive, and risky. V3 appliances solve these problems and deliver virtual desktop success quicker, faster and more scalably.

V3 Appliances vs. Traditional VDI

Traditional VDI Weaknesses	The V3 Appliance Solution
Lengthy, complex, expensive, disruptive, and unpredictable installation with multiple vendors, systems, and infrastructures	V3 solutions are standalone appliances with onboard compute, storage, licensing, and management. Arrive pre-provisioned to enable installation in hours, not days.
Poor performance & user experience	V3 appliances eliminate latency by locating compute, storage, and management on the same bus in the same chassis.
Complex storage infrastructure requirements	Primary, high-performance storage is onboard. Extended storage can be a simple, low-cost LAN-based NAS appliance
Burdensome administration, management, and training requirements	Built-in management software: Desktop Cloud Orchestrator, simplifies management, eliminates extensive training requirements
Vulnerability to outages	Local pools, local storage, and local replication deliver maximum uptime and business continuity instead of reliance on WAN availability.
Unpredictable cost of scalability	Logical appliance-based building blocks with integrated storage eliminate costly and unpredictable compute and SAN upgrades

Superior Manageability with V3 Desktop Cloud Orchestrator (DCO). DCO is a comprehensive management solution that supports pool creation, pool migration and policy-based administration for failover, backup, and reporting. DCO delivers simplification thereby eliminating arduous, expensive training required by industry-standard hypervisor administration tools. DCO is bundled into the cost of a V3 appliance and it includes everything a desktop administrator needs to manage desktops in a single, secure, centralized console.

Secure Desktop Computing. V3 appliances help reduce security vulnerabilities because data is never transferred to or from desktops. Administrator-controlled access is available in real-time. Compared to a physical desktop that can be lost or stolen, V3 VDI-based data remains in the data center instead of on a vulnerable endpoint device.

Features & Benefits of V3 Turn-key Virtual Desktop Appliances

Key Feature	Function	Benefit
Storage & compute architected and integrated by V3 for maximum performance	Enable significantly better performing and responsive desktop speed.	Superior user experience to physical desktops
Accommodates all types of users from shift workers to executives	Supports persistent and non-persistent desktops	Migrate entire workforce to lower-cost, higher-performance VDI
Purpose-built appliance	Storage, compute, and management contained within a single rack-mounted device	Dramatic simplification of deployment, management, and scaling versus cobbled-together solutions
V3 appliances arrive pre-provisioned onsite	Shorten time to deployment	Minimize deployment time, cost, and disruption
A single, user-friendly integrated, built-in management console provided	Simplify and scale management of V3 appliances	Ease of management, no special training required to manage virtual desktop infrastructure
Built-in fault tolerance	Local pool replication and failover managed by DCO	Maximum uptime and business continuity
Dramatically simplified data storage	Built-in high performance storage with optional and simple NAS for additional storage requirements	No expensive, proprietary, or complex storage infrastructures to install, manage, and maintain
Highly secure desktop computing	No data is transferred or stored on users' desktops. Administrator-controlled access is real-time	Complete control over security
Dramatically superior TCO and flexibility versus physical desktops	Compared to Physical Desktops: • Less hardware to buy • Less training • Lower management overhead • Better user experience • Higher reliability • Less power & cooling • Better user experience	Better performance to IT SLA's at a lower cost and better ROI

Specifications

	V3 V50 Appliance	V3 V100A Appliance	V3 V200A Appliance
Best Fit For	Distributed workgroups or small offices of up to 50 users of any type	Distributed workgroups or centralized offices of up to 100 users of any type	Distributed workgroups or centralized offices of up to 200 users
Concurrent Users	Up to 50	Up to 100	Up to 200
System Scalability	Up to 10,000 Desktops in increments of 50, 100 or 200	Up to 10,000 Desktops in increments of 50, 100 or 200	Up to 10,000 Desktops in increments of 50, 100 or 200
Form Factor	2U Rackmount	2U Rackmount	2U Rackmount
Processors	2x Intel Xeon Processor E5-2630v2 (2.3 GHz, 15MB L3 Cache, 80W)	2x Intel Xeon Processor E5-2695V2 (2.40 GHz, 30MB L3 Cache, 115W)	2x Intel Xeon Processor E5-2695V2 (2.40 GHz, 30MB L3 Cache, 115W)
Memory	96 GB	128GB	256GB
Power Supply	2 x 750W AC	2 x 750W AC	2 x 750W AC
Cooling	Redundant Hotswap Cooling Fans	Redundant Hotswap Cooling Fans	Redundant Hotswap Cooling Fans
Storage	1.2TB Solid State Storage	1.92TB Solid State Storage	3.84TB Solid State Storage
Network Connectivity	4 x GbE	4 x GbE	4 x GbE
Optional Network Interface	Dual Port 10GbE I/O Module, SFP+	Dual Port 10GbE I/O Module, SFP+	Dual Port 10GbE I/O Module, SFP+
Server Offload Card	Optional Teradici APEX 2800LP PCoIP	Teradici AP EX 2800LP PCoIP	Teradici APEX 2800LP PCoIP
Warranty	1 Year Advanced Parts Replacement with 2 day delivery, 9x5 telephone support		

Headquarter Offices

North America
125 S. Market Street
San Jose, CA 95113
USA
Tel: (858) 571-5555

Asia Pacific
16 Collyer Quay
Level 21
Singapore, 049318
Tel: +65 6818 9266

France
18 Rue Jean Rostand
Orsay
91400, France
Tel: +33 1 81 91 73 40

Germany
Feldstraße 81
44141 Dortmund
Germany
Tel: +49 231 5436-0

United Kingdom
Regus Atlantic House
Imperial Way
Reading, RG2 0TD
United Kingdom
Tel: +44 1 189 898 000