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ACHIEVING THE PROMISE OF VDI WITH DELL EMC VXRAIL

It's a new era in IT. The end-user workforce is mobile, social, and putting huge strains on your Virtual Desktop Infrastructure (VDI). It's time for a new model, one that liberates you from costly infrastructure maintenance and delivers the service and availability end-users demand.

Yet, the complexities of implementing VDI at scale, specifically having to dedicate IT infrastructure resources to ensure performance and lack of IT administrative talent, often make VDI initiatives cost prohibitive. Organizations need a simpler, more streamlined VDI infrastructure that delivers performance for small and large desktop deployments alike and are also are highly available and secure in order to make VDI deployments viable.

Dell EMC VxRail™ Appliances, the standard in hyper-converged infrastructure (HCI) jointly developed by Dell EMC and VMware, are ideal for a range of VDI environments, including those that start small and grow or require GPU acceleration. VxRail removes the complexities of having to stand up a new, traditional yet siloed, infrastructure to run VDI, dramatically speeding time to deployment and reducing costs.

CREATE IT CERTAINTY FOR VIRTUAL DESKTOP DEPLOYMENTS WITH VXRAIL

Designed exclusively by Dell EMC and VMware, VxRail Appliances are the easiest and fastest way to implement a high performance VDI infrastructure. VxRail integrates market-leading compute, including Dell PowerEdge servers, VMware vSAN software-defined storage, vSphere virtualization, and management software from Dell EMC and VMware to provide a solid foundation for a VDI infrastructure. Flexible configuration options include all-flash nodes that feature enterprise data efficiency services and nodes that deliver purpose-built GPU hardware for graphics intensive virtual desktops. Built-in quality of service, as well as the ability to scale on a single node basis or expand storage capacity as needed, ensure optimum performance and capacity are always available whether you are deploying 100s or 1000s of virtual desktops. VxRail's highly redundant architecture, integrated Dell EMC data protection software and non-disruptive upgrades create certainty that your virtual desktops will always be available to end-users, even during boot storms or Microsoft Tuesday patch updates.

VxRail Appliances are available in a range of node options from 1U/1-node that are ideal for ROBO, through 2U, 4-node hybrid or all-flash building blocks. Built on the foundation of VMware vSAN and managed through the familiar VMware vCenter interface, VxRail Appliances provide customers the VMware experience they are familiar with while allowing them to take advantage of the hallmark benefits of Dell EMC - increased agility, simplified operations, and lower risk.

ESSENTIALS

- Customize compute and storage capacity deployment for each set of VDI users or locations while maintaining a consistent management environment

- Reduce the need for onsite IT staff with simple set-up for multiple supported VDI clients and remote management using familiar VMware tools

- Protect desktops and work with a comprehensive portfolio of data protection options, including RecoverPoint for VMs

- Enable growth that meets business demands with single node scaling, storage capacity expansion, and vSphere license independence starting small with a few as three nodes

- With a single point of global 24x7 support for both the hardware and software, VxRail provides the ultimate appliance support for VDI implementations where there is limited onsite staff

VXRAIL VDI ADVANTAGES

- Available all-flash models handles peak performance requirements such as boot storms and Microsoft Patch Tuesdays
- V Series nodes offer purpose-built GPU hardware from NVIDIA or AMD to support graphics-intensive virtual desktop deployments
- Quick and easy deployment configuration
- VMware vSphere license flexibility enable you to determine the level of functionality you want in the hypervisor while saving money
- User uptime, automation, and policy management ensured through high availability VMware vSAN and other off-the-shelf VMware software
- Enables power-on to VM creation in minutes and easy VM deployment and management, even remotely
- Linear and granular scalability from a few desktops to thousands in a large VxRail cluster. Single node scaling up to 64 nodes enables pay-as-you-grow flexibility
- Only HCI appliance offering QoS to confidently run other applications on VDI platform
- Dell EMC software for Data Protection, RecoverPoint for VMs, CloudArray and Secure Remote Support all included

PREDICTABLY EVOLVE AND CONTINUOUSLY MODERNIZE YOUR VDI INFRASTRUCTURE

VxRail Appliances enable you to reduce your VDI footprint and associated capital outlay. Further savings on power and infrastructure requirements while minimizing administrative burdens lowers operational costs. The modular, just-in-time purchase approach, including single-node scaling and storage capacity expansion empowers you to predictably evolve with a repeatable, simple and agile means to scale on demand as the number of users grow and requirements evolve. VxRail can host virtual desktops from VMware, Citrix and other VDI vendors.

You can be confident that VxRail Appliances will meet performance and capacity demands associated with desktop growth and application demands through continuous hardware and software evolution. VxRail seamlessly integrates new enterprise class x86 and storage technologies, new flash storage technologies and non-disruptively updates to the latest VMware software available to ensure your VDI deployment can continuously modernize according to business demands.

AVAILABILITY AND SUPPORT

Benefit from availability and reliability features for VxRail such as:

- 24/7 global support for all hardware and software on the appliance
- Remote "heartbeat" monitoring, diagnostic and repair with proactive fault detection
- High-availability system design with maximum component redundancy
- Automated operational and disaster-recovery orchestration for VMs, including local and remote hypervisor-based replication and continuous data protection for per-VM recovery to any point in time
- World-class support from Dell EMC's single-point-of-accountability philosophy

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