DELLEMC

VMWARE VIRTUAL SAN™ AND READY NODES FOR DESKTOP VIRTUALIZATION FROM DELL

VMware desktop virtualization solutions with software defined storage from Dell

SIMPLIFIED DESKTOP VIRTUALIZATION STORAGE SOLUTIONS

Organizations looking to implement desktop virtualization traditionally play a guessing game where storage is concerned. When considering local and physical storage, determining what would be necessary for the virtualized world is difficult and can be overwhelming. This is especially true when determining how virtualizing desktops will impact the storage architecture. Software-defined storage solutions, such as VMware Virtual SAN, provide simplified solutions with high performance data stores. Dell's validated and certified desktop virtualization solutions incorporate vSphere and Virtual SAN, and provide a complete end-to-end solution that allows companies to grow and expand without large capital investments in SAN hardware.

WYSE DATACENTER FOR VMWARE HORIZON SOLUTIONS WITH VIRTUAL SAN

From reference architectures to appliances, Dell's approach to desktop virtualization solutions is to provide the best option to meet your needs. The additional work done with VMware Horizon and Virtual SAN to ensure optimal performance takes the guesswork out of implementation. Storage solutions are simplified and powerful. The management of Virtual SAN, like Horizon and the Dell plug-ins, is incorporated into vCenter, reducing the required learning curve.

Dell's end-to-end solutions with Virtual SAN allow you to streamline your virtualized storage strategy. Storage policies and provisioning for desktop virtualization is managed as a part of the normal virtual machine workflow. With guidance on configurations, or pre-sized, pre-configured offerings, the entire desktop virtualization environment is right-sized and performance optimized. Costs are reduced with performance comparable to traditional local storage by utilizing x86 servers with local storage, avoiding large and expensive storage systems and over-provisioning.

DELL'S VIRTUAL SAN READY NODES FOR DESKTOP VIRTUALIZATION

In addition to the solutions mentioned above, Virtual SAN Ready Nodes are specific configurations that VMware certifies will work optimally with Virtual SAN. Dell's Cloud Client-Computing team has submitted three configurations specific to desktop virtualization workloads based on Intel® Xeon® processor powered 13G

PowerEdge servers. These configurations have been tested to provide engineering documentation on sizing, performance and best practices. Virtual SAN Ready Nodes are ideal as hyper-converged building blocks for larger data center environments looking for automation and a need to customize hardware and software configurations.

SAVING TIME AND MONEY

Customers benefit from a totally customizable storage solution for their virtual desktop infrastructure. Whether choosing reference architectures or appliances for Horizon and Virtual SAN or Virtual SAN Ready Nodes from Dell, you can rest assured that you will be acquiring an optimized solution.

With the simplified pay-as-you-grow scale out of Virtual SAN, you can feel secure that your solution will scale with your organization's needs. Virtual SAN and Virtual SAN Ready Nodes are fiscally attractive through the reduced administrative overhead and power consumption, increasing the return on investment and reducing the total cost of ownership.

TRUE END-TO-END SOLUTIONS

Dell's Regardless of which method is chosen to stand up the Horizon with Virtual SAN infrastructure, Dell is able to provide a true end-to-end environment when bundled with industry leading Wyse thin and zero clients. The Wyse ThinOS is the only virus-immune thin client OS with zero attack surface. Wyse endpoints have a much longer refresh cycle, typically more than seven years, further reducing capital expenses. When reduced desktop support costs are factored in, the inclusion of Wyse endpoints also reduces operating costs. Given the increased security provided with a thin or zero client, verses traditional endpoints, our end-to-end VMware powered solutions are ideal for your desktop virtualization environment.

WHY DELL?

Dell's Wyse Datacenter for VMware Horizon with Virtual SAN and Virtual SAN Ready Nodes are important additions to Dell's growing end-to-end desktop virtualization solutions portfolio that are designed to simplify your storage needs.

- Dell is the world's number one thin & zero client provider

- Dell's extensive expertise and industry leadership in Intel® Xeon® processor based PowerEdge x86 server architecture, hardware systems management, web scale deployments and with VMware environments informed the development and co-engineering of this solution

- Dell is the single source for technical support and our premium support service can be bundled with every reference architecture and appliance for VMware Horizon and Virtual SAN, as well as Virtual SAN Ready Nodes. Value-added deployment, consulting and managed services are available as well

- Dell's comprehensive services portfolio for VMware environments, with thousands of joint customers, will ensure that you get the most out of your IT investments

- Dell's broad software portfolio delivers comprehensive solutions for data protection, security, performance monitoring, and cloud management to compliment your virtualization environment

GET THE SERVICES AND SUPPORT YOU WANT

Dell's broad portfolio of planning, implementation and maintenance services can help accelerate your IT initiatives and grow your business. Each Dell Cloud Client-Computing solution for VMware Horizon with Virtual SAN and Virtual SAN Ready Nodes offers a single support contract for hardware, software and services.

ProSupport:

Our premium support service, which is offered with the Dell solutions offer highly trained experts around the clock and around the globe to address your unique IT needs. We'll help you minimize disruptions and maximize availability of your critical workloads with

- 24x7x365 access to certified hardware experts

- Collaborative support assistance with over 195 third-party vendors

- Hypervisor and operating system support

- On-site parts and labor response options including next business day or four-hour mission critical

Contact your Dell EMC, Dell or VMware representative today or visit www.dell.com/vdicomplete to discover how Dell EMC can help you with VDI Bundles powered by Horizon.

SIDENOTES

What is VMware Virtual SAN?

VMware Virtual SAN is a hyper-converged storage solution that delivers a simple, elastic and efficient storage solution optimized for virtual machines or desktop virtualization.

- Storage scale out architecture embedded in vSphere

- Aggregates locally attached storage from each ESXi host in a cluster

- Dynamic capacity and performance scalability

- High performance with flash acceleration

- Deeply integrated with VMware stack

- Managed through VM-centric storage policies and vSphere Web Client

At-A-Glance

Dell's Cloud Client-Computing certified and validated Virtual SAN and Ready Node solution for desktop virtualization benefits:

Radically Simple Solutions

- Validated and certified solutions for desktop virtualization with Virtual SAN embedded for enterprise-ready storage

- Customizable reference architectures or pre-certified configurations to simplify your desktop virtualization implementation

- Uses storage policies to assign storage services to specific VMs. Virtual SAN then automatically tunes and rebalances storage as necessary to remain compliant.

- Desktop virtualization deployments benefit from variable storage solution that easily expands and enables simplified management

High Performance

- Built on PowerEdge hardware powered by Intel® Xeon® processors and optimized for highest performance in client virtualization, including virtualized graphic capabilities

- Able to scale performance and capacity in a linear and predictable manner

- Workload mobility and resiliency with expandable clusters to support variable and multi-site desktop and application virtualization deployments

- Desktop virtualization with performance comparable to traditional endpoints