DELLEMC

CLIENT VIRTUALIZATION WITH DELL AND VMWARE HORIZON

VMware's newest solutions with Dell Cloud Client-Computing

DESKTOP AND APPLICATION VIRTUALIZATION: A WHOLE NEW WORLD

With workforces becoming increasingly mobile, organizations are faced with having to protect their most valuable assets: people and data. The ability to ensure employees can be productive and efficient, while protecting data grows more difficult every day. The safest place to maintain that data is within the confines of a centralized location at all times. Desktop and application virtualization keeps important IP and enterprise data centralized, while enabling mobility, BYOD programs, and increased worker flexibility.

Historically, virtual desktop infrastructure (VDI) has been considered difficult, complex, and expensive. Implementation attempts often failed as a result of poor end user experiences, leading to organizations reverted back to traditional local and three-tiered storage environments that were long-established. Our attention to design, improvements in several underlying technologies, and the newest Wyse endpoints have made client virtualization more compelling.

Today, our client virtualization is simplified, secure, and cost-effective. Dell and VMware have worked in partnership to develop solutions that deliver computing experiences that are comparable to physical desktops and laptops. With rapid time-to-value, improved technologies, simplified management and lower total-cost-of-ownership, client virtualization has become an increasingly attractive option.

BETTER TOGETHER: DELL AND VMWARE SOLUTIONS AND APPLIANCES

Dell and VMware have enjoyed a long partnership, developing first-to-market client virtualization solutions designed to address a range of customer workloads. Today our collaboration continues, delivering purpose-built solutions with higher densities and additional features. Advances in our Intel® Xeon® processor powered 13G PowerEdge servers combined with VMware Horizon desktop and app virtualization now deliver enhanced graphic experiences, powerful enterprise class virtualized storage, elasticity of scale, and enterprise-grade app lifecycle management and security. With VMware Horizon Air Hybrid-Mode, it is now possible to create a hybrid client virtualization environment with cloud-based centralized management of both on-premises and cloud-hosted desktops and apps. Individual applications or entire desktops can be rapidly deployed easily. Virtualized apps or desktops can be securely delivered to any device, anytime and anywhere.

Advances in hyper-converged infrastructure and software-defined- storage technologies allow rapid time-to-value and predictable linear scaling. VMware and Dell have collaborated to simplify successful client virtualization deployment. Our

goal is to resolve your pain points and meet your business requirements simply, securely and economically.

VMWARE HORIZON SOLUTIONS

With increasing demand for cloud-like economics and ease of scale, combined with a user experience optimized for mobile workstyles, VMware's newest Horizon offering includes rapid deployment of virtualized desktops and apps with simplified app lifecycle management. IT workflow is now streamlined with cloud-based management of either cloud-hosted or on-premises virtualized desktops or apps. Security posture is strengthened with Smart Policies that provide contextual, fine-grained control of client-side features to better protect remote-accessed apps and data.

End user experiences are transformed with VMware's Blast Extreme, a new H.264-based display protocol that allows resolutions up to 4K on client devices that is still flexible enough to run on smartphones, tablets, Mac iOS and OSX, Chrome and non-Windows devices. Organizations can now choose between Blast Extreme and Teradici PCoIP display protocols, providing an optimized user experience on any device, anytime, anywhere. Improvements in VMware's Virtual SAN software-defined-storage increase scale, and performance.

TRUE END-TO-END SOLUTIONS

Dell is uniquely able to provide a complete, true end-to-end environment when furnishing users with Wyse thin and zero clients. Wyse ThinOS is the only virus-resistant thin client OS with its zero attack surface. Wyse endpoints are more durable with a refresh cycle of more than seven years that reduces capital expenses. When reduced desktop support costs are factored in, the inclusion of Wyse endpoints generates substantial OpEx savings. Given the increased security verses traditional desktop computing, our integrated end-to-end VMware solutions are ideal for your desktop virtualization environment or initial pilot effort.

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

Dell's reference architecture and appliances

Whether you need an environment built to your specific requirements, one that can incorporate your existing storage investments, or a rapid time-to-value appliance enabling simplified deployment, installation and scale, Dell has the VMware certified solution to meet your needs:

- Reference architectures include guidance for best practices on sizing and performance expectations in a simplified fashion

- Appliances provide streamlined procurement with compute, storage and software included, linear scale and prescriptive performance

- All are tested, validated and certified for optimal performance and backed by Dell's world class support and services

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 simplified management.

High Performance

- Built on 13G 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