



## Dell EMC Ready Architectures for VDI

Enhance productivity with secure virtual desktop solutions that are quick and easy to implement



## VDI is now ready for prime time

IT Transformation initiatives often lead to an exploration of desktop and application virtualization. However, organizations looking to adopt VDI (Virtual Desktop Infrastructure) have typically faced a number of hurdles, including long planning and procurement cycles, significant upfront infrastructure investments, and difficulty delivering a consistent user experience across locations and devices. These hurdles have turned many organizations away from adopting VDI, despite its many security and productivity advantages.

But good news is here: Dell EMC offers validated and optimized VDI architectures that provide the requisite data and application security while allowing IT to get started quickly and deliver optimized end-user performance. Dell EMC Ready Architectures for VDI provide a wide range of choices to meet a variety of needs and come with optional Dell EMC endpoints and familiar management tools that allow you to get up and running faster and streamline your day-to-day operations.

### Secure your environment

The trends of mobility and “bring your own device” (BYOD) mean that more devices and sensitive data are out of direct IT control, increasing the risk for data theft and virus, malware, and ransomware attacks. VDI is inherently more secure than physical desktops because files and data don’t leave the data center, and all communications between the client and infrastructure are encrypted. But even though they are intrinsically very secure, virtual desktops and thin clients need protection against advanced viruses and commodity malware. Dell EMC offers security from the data center all the way to the endpoint, to protect you against cyber threats.

### Empower your workforce

Workforce productivity increases when employees can securely access their desktops and applications from their chosen device at the times and places they choose to work. High expectations for mobility and BYOD are causing workloads to evolve rapidly. IT must adapt by making sure resources match increasing demands for fast delivery, predictable scale and high performance. Dell EMC Ready Architectures for VDI transform the workplace by enabling BYOD and mobility to enhance user collaboration and productivity.

### Reduce operations costs

IT is challenged to increase the speed and quality of service while reducing costs and maintaining staffing levels. Dell EMC Ready Architectures for VDI help IT answer the challenge in two ways. First, these configured and validated architectures streamline infrastructure procurement and speed up deployment, so IT teams can achieve working solutions quicker than with “build your own” environments. Second, most client VDI environments contain hardware, networking, software and endpoints from different vendors, making support complex. With Dell EMC Ready Architectures for VDI, you can make one call to Dell EMC for help with hardware or software issues, from data center to endpoint.

## Why Dell EMC for VDI?

At the core of every Ready Architecture for VDI offering are comprehensive VDI reference architectures produced after thousands of hours of testing in Dell EMC labs. These documents provide validated, predictable solutions, leading to faster and easier deployments. Not only do they demonstrate the different types of infrastructure options, but they also contain recommended endpoints, to ensure an excellent user experience.

Dell EMC is the only end-to-end provider who offers a VDI solution that reaches from the data center to the endpoint, with:

- Specialized teams of experts focusing on desktop virtualization solutions
- A comprehensive and flexible infrastructure portfolio, with either traditional or appliance-based solutions, including modular, flexible, hyper-converged offerings
- Integrated software options from market leaders such as Citrix, Microsoft, NVIDIA and VMware
- A comprehensive range of client endpoints including PCs, laptops and specialized devices like thin clients
- Support and services to help with deployment and post-sale support.

Finally, Dell EMC has received a large number of industry-recognized awards, illustrating our continual innovation and commitment to providing the best products and solutions in the market

The combination of Dell and EMC brings together two industry-leading companies with strong reputations for value and innovation. Dell EMC holds leadership positions in some of the biggest and fastest-growing categories in the IT infrastructure business, and that means you can confidently source your IT needs from one provider - Dell EMC.

**Tech Target  
Access Innovation  
Award Winner** for the  
implementation of a Dell EMC  
VDI solution

**18 second**  
login times

Start at **\$7 per user**  
**per month** for the  
total client virtualization  
package

## Dell EMC Ready Architectures for VDI

Dell EMC offers a range of end-to-end VDI architectures to suit different needs. All these architectures are supported by detailed technical documentation and thousands of hours of lab testing, guaranteeing predictability, scalability and an excellent end-user experience. Multiple configurations for VDI are available, based on Dell EMC PowerEdge servers. Dell EMC Ready Architectures for VDI support:

- Hypervisor choice:
  - Citrix® XenServer®
  - Microsoft® Hyper-V®
  - VMware® ESXi™
- Connection broker software choice:
  - Citrix Virtual Apps and Desktop®
  - Microsoft Remote Desktop Services (RDS)
  - VMware Horizon® and Horizon Apps

## Dell EMC Ready Architectures for VDI Infrastructure Options

Dell EMC is proud to offer our customers a broad set of choices when it comes to data center infrastructure. From hyper-converged, converged, and traditional three-tier, we've validated and provided guidance on the most popular platforms for VDI. See which one is the best fit for your business:

- [Dell EMC Ready Architecture for VDI on VxRail](#) is the standard platform for VDI, having been jointly developed by Dell EMC and VMware. As an HCI appliance, VxRail removes the complexity of new VDI deployments and is the ideal platform for VDI workloads, given its ability to start small and scale, as well as support a wide range of GPU acceleration options.
- [Dell EMC Ready Architecture for VDI on XC Family Appliance](#) simplifies desktop virtualization and application through easy to order, appliance-based configurations with predictable per-seat scaling costs to fit a broad range of use cases. A combination of native tools and a powerful UI allows users to deploy and manage virtual desktops and applications more easily than traditional infrastructure, making it a terrific platform for organizations in the Nutanix ecosystem that want to deploy rapidly and scale easily.
- [Dell EMC Ready Architecture for VMware vSAN Ready Nodes for VDI](#) are built on Dell EMC PowerEdge servers that have been configured, tested, and certified to run VMware vSAN™ and ESXi. They include just the right amount of CPU, memory, network, hard disk drives, and solid-state drives that are perfectly suited for VDI workloads on VMware vSAN.
- [Dell EMC Ready Architecture for VDI on VxBlock System 1000](#) is designed with the modern enterprise in mind, with the highest level of availability, data protection, scalability, consistent performance, rich data services, and high efficiency all packaged in a converged stack with a cloud operating model that customers are already familiar with. Designed to consolidate and manage high value workloads, the VxBlock 1000 is the ideal platform for VDI environments operating in large-scale enterprises.
- [Dell EMC Ready Architecture for VDI on Dell PowerEdge Servers](#) are built on traditional three-tier infrastructure (server, SAN, and networking), certified for Citrix, Microsoft, and VMware, and provide a scalable, validated, and highly available supported infrastructure for VDI. Dell EMC Ready Architectures for VDI on Dell EMC PowerEdge Servers are designed to cater to any business or technical requirement.
- [Dell EMC Microsoft Storage Spaces Direct Ready Nodes for VDI](#) allows IT utilize Microsoft Storage Spaces Direct with industry-standard Dell EMC PowerEdge servers with local-attached drives to create highly available, highly scalable storage at a fraction of the cost of traditional storage arrays.

## Dell EMC VDI Complete Solutions

### Plug in, power up, and provision in record time




[VDI Complete](#) is a collection of VDI Ready Architectures that are validated and built on an end-to-end Dell Technologies Stack. It brings together leading technologies from across the Dell ecosystem including Dell EMC VxRail appliance and vSAN Ready Nodes, [VMware Horizon and Horizon Apps](#), as well as optional add-ons such as NVIDIA Tesla graphics cards and Dell Wyse thin clients. The solution is optimized to allow you to get a full desktop or app virtualization environment up and running faster and streamline your day-to-day operations.

Discover the advantages of deploying a complete end-to-end stack all from one place such as:

- Simplify your virtual desktop and apps implementation with a single company for solution sales and support.
- Get what you need to easily deploy and scale just-in-time desktops.
- Mobilize your workforce quickly, delivering desktops and apps in minutes
- Deliver unrivaled performance and an exceptional user experience.

## Complete your solution with Wyse thin clients

Purpose-built for VDI environments to provide optimum security and performance, Wyse thin clients integrate easily into any virtualized or web-based infrastructure and deliver a high-quality computing experience.

		
<b>3000 series</b>	<b>5000 series</b>	<b>All-in-one thin clients</b>
For task workers and knowledge workers running a broad variety of business applications.	For knowledge workers and power users requiring access to a wide variety of applications, including 3D graphics and HD multimedia.	Secure all-in-one delivers an excellent virtual desktop experience with extreme ease of use and management.

“We spilled a milkshake on our Dell Wyse thin client, rinsed it off, threw it down the stairs and put it under a heat lamp to dry. It booted right up.”<sup>3</sup>

— Steve Athanas, Director of Platforms and Systems Engineering, UMass Lowell<sup>3</sup>

**Learn more about**  
[Wyse thin clients.](#)

Wyse thin and zero clients maximize security and optimize management and efficiency by centralizing data, applications and resources. Designed to deliver flexible access to virtual desktops and virtualized applications, Wyse thin clients provide instant functionality and performance to meet the demands of processing-intensive applications.

Delivering premier desktop security, manageability and reliability, Wyse thin and zero clients are certified to work with Citrix, Microsoft and VMware and allow increased productivity with a broad range of highly secure endpoints designed for both stationary and mobile users, from task workers to the most demanding power users.

## Services and financing

### Dell EMC Customer Solution Centers

Experience Dell EMC solutions in our global network of 21 dedicated facilities. The [Dell EMC Customer Solution Centers](#) are trusted environments where world-class IT experts collaborate with you to share best practices; facilitate in-depth discussions of effective business strategies using briefings, workshops, or fully supported proofs-of-concept; and help you become more successful and competitive.

## Find out more

Don't wait to find out how modern VDI architectures can offer you the security, performance and efficiency the business demands. Contact your Dell EMC or authorized channel partner representative to learn more.

### Contact us

To learn more, visit [dell EMC.com/vdi](http://dell EMC.com/vdi) or contact your local representative or authorized reseller.



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