



Expand Remote Work Possibilities

Easily adopt and scale VDI with Validated Designs that deliver critical performance and storage efficiency for VMware Horizon.

VMware Horizon

VMware® Horizon® enables workforce transformation with efficient delivery of virtual desktops and applications on an agile, cloud-ready foundation that offers best-in-class management and end-to-end security.

As reliance on remote working and learning intensifies, gain the ability to add features and services to new or existing virtual desktop infrastructure (VDI) installations with minimal impact while providing outstanding security, productivity and management simplicity.

These solutions empower remote teams to work and learn from anywhere with an excellent experience, increased IT efficiency, and reduced costs while securing your environment from cyberthreats.

VDI built for modern demands

Data is increasingly created and consumed outside of traditional data centers—up to 75% of all data by 2025.¹ The changing nature of where data lives and where it needs to be processed requires a modern, flexible storage platform. This is especially true for VDI, where the size and type of I/O traffic generated is noticeably different than most traditional business applications.

Dell PowerStore is an ideal storage appliance for the changing VDI data landscape, as it provides the scalability and efficiency needed for storing the data along with the ability to process data locally. The Validated Design for VDI with VMware Horizon built on PowerStore provides a flexible, resilient architecture that enables you to add features and services to new or existing VDI installations with minimal impact. Designed for modern VDI needs, PowerStore uses a data-centric design with NVMe® and hardware-enabled inline data reduction to deliver critical performance and storage efficiency for VMware Horizon VDI deployments.

Intelligent scale-up and scale-out capabilities with independent scaling of performance and capacity enable PowerStore to support flexible growth to meet the demands of various workloads, while supporting future growth. In addition, PowerStore enables application storage for VMware Cloud Foundation™ with both block and file protocols, supporting portability across today's hybrid cloud environments.

¹ Web Tribunal, [19 Data Center Statistics You Shouldn't Miss in 2022](#), September 2022.

Learn more

[VDI InfoHub](#)

dell.com/vdi

dell.com/powerstore

[APEX for VDI](#) use cases

Key benefits

- **Provide secure access from anywhere** — Moving desktops to the data center behind the firewall enables teams to work with confidence, knowing workspaces and data are secure.
- **Accelerate productivity** — Giving teams access to the virtual desktops and applications they need, when and where they need them, speeds time to results.
- **Centralize and simplify IT management** — Providing unified management of all data and desktops increases efficiency while reducing costs.

Technical specifications

The Validated Design includes block and file resources provisioned to support VDI desktops, application virtualization, and user profile and file data for up to 8,000 users.²

Dell PowerEdge servers	Dell PowerSwitch networking	Dell PowerStore storage	Software
<ul style="list-style-type: none">• 16x R750 (compute host)• 1x R730 (management host)	25GbE S5248F-ON or 10GbE S4048T-ON	1x 9200 T	<ul style="list-style-type: none">• VMware vSphere®• VMware Horizon
<ul style="list-style-type: none">• 1x R840 (compute host)• 1x R730 (management host)	S5248-ON	1x 1000T	<ul style="list-style-type: none">• VMware vSphere• VMware Horizon

Dell Technologies and VMware

Dell PowerStore embodies learning from decades of working with VMware around storage platforms. PowerStore is built with VMware in mind, with native integration into VMware management frameworks making it easy for VMware and Horizon administrators to manage desktops and storage while improving their efficiency.

² Dell Technologies white paper, [VMware Horizon on Dell PowerStore T Scalable All-Flash Storage](#), July 2022.