

Accelerate and Simplify VDI

Dell Validated Designs for VDI with VMware Horizon on vSAN-based infrastructure

High-performance, scalable and cost-effective VDI

With this Dell Technologies solution for VDI, designed in collaboration with VMware, more businesses can use virtual desktop infrastructure (VDI) to transform their digital workplace and empower their workforce to connect and excel from anywhere.

This jointly engineered solution is built on a choice of Dell hyperconverged infrastructure (HCI) and includes support for NVIDIA® GPUs. It gives enterprises the solution they need to roll out or expand VDI with speed and simplicity.

HCI for VDI

Dell Validated Designs for VDI on vSAN-based infrastructure are built on Dell VxRail or Dell vSAN Ready Nodes. These true HCI platforms provide performance, flexibility and scale for VDI environments.

Seamlessly connect people with data.

In an atmosphere where any employee can suddenly become a remote employee, VDI is table stakes for today's digital enterprises. Dell Technologies offers comprehensive, flexible and efficient VDI solutions that are designed and optimized for your organization's needs. These Validated Designs for VDI are based on HCI to make them easy to plan, deploy and run.

To start or extend your VDI initiatives, you can choose from two VMware® vSAN™ HCI options. Dell VxRail and Dell vSAN Ready Nodes have the same underlying VMware vSAN technology, and each provides unique benefits. Installing VMware Horizon® with its VDI components on VxRail or vSAN Ready Nodes enables you to quickly deliver Microsoft® Windows® virtual desktops or server-based hosted shared sessions on a wide variety of endpoint devices.

Solution benefits

- **Predictability** — Predictable costs, performance and scalability support a growing workforce, reducing costs by deploying applications and desktops from the data center.
- **Fast deployment** — Validated Designs for VDI offer rapid automated deployment at the infrastructure layer through Dell Technologies Services.
- **Rapid scaling** — Suitable for enterprises of any size, you can scale rapidly with workload-specific configurations for each platform. The solution is scalable up to 64 nodes per cluster, supporting thousands of virtual machines (VMs). Continue scaling with pod architecture and by combining multiple clusters. VxRail Manager, available with VxRail, makes it easy to insert or remove nodes from your cluster to meet your business needs.
- **Included support** — Validated Designs for VDI are tested and validated for VDI and its related tools. Deployment services provide installation of this turnkey VDI appliance to ensure a rapid deployment with linear and predictable scalability.
- **Accelerated user experience** — NVIDIA virtual GPU technology brings the power of NVIDIA GPUs to virtual desktops, apps and workstations, accelerating graphics and compute to enable virtualized workspaces to perform like physical PCs. This means that users can have a consistently excellent user experience anywhere they choose to work.

Learn More

dell.com/vdi

Configuration options

Dell VxRail

Designed exclusively by Dell Technologies and VMware, VxRail is the easiest and fastest way to implement a high-performance VDI solution. As an HCI system, 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. VxRail provides a turnkey solution for deploying and managing infrastructure with additional software features to assist throughout the product lifecycle.

Dell vSAN Ready Nodes

Built on Dell PowerEdge servers, vSAN Ready Nodes are pre-configured, tested and certified to run VMware vSAN. They enable easy VDI deployment with factory-installed configurations that allow a solution to scale quickly to meet growing needs. While vSAN Ready Nodes do not include the full automation suite that is available in VxRail, they provide more flexibility in platform choices. vSAN Ready Nodes offer the confidence that your pre-validated configuration will work with vSAN technology as well as the VMware Horizon software suite.

Configuration options

HCI	Networking	Virtualization
VxRail V670F, or E665 or P675 or vSAN Ready Nodes R750 or R7525	Dell PowerSwitch S5248-ON (rack) PowerSwitch S3048-ON (management)	VMware Horizon with VMware ESXi™

Solution partner



Enable work-from-anywhere productivity.

Get the flexibility to enable your workforce anywhere they choose to work. Contact your Dell Technologies representative to learn more about how Validated Designs for VDI can help you extend your digital workspace, today.

