

BIG TECH AT ANY SCALE

Everything you need to know about Dell EMC's VxRack system and vSAN Ready Nodes

With more data being produced than ever before, businesses are having to adopt a simpler, more cost-effective approach to storage.

That's why people are now looking for infrastructure that's not only reliable and straightforward to deploy, but that can also be scaled at the speed required to keep pace with this data growth without compromising performance or control.

"Loyalties to traditional, standalone servers are diminishing in today's IT ecosystems as managers adopt innovative technologies that eliminate multiple pain points. Innovation inherent in converged systems and in hyper-converged infrastructure, in particular, is driving process efficiencies and agility that are increasingly tangible."

Christian Perry, 451 Research

VXRACK™

So why VxRack and vSAN?

- Offers an easy and fast to stand up rack scale hyperconverged infrastructure (HCI) solution that combines performance and simplicity
- Uncomplicated way to pilot an HCI solution that's quick to deploy, manage and scale
- Start with just 8 nodes, before scaling to 100s when or if you need
- A completely engineered, turnkey solution that reduces cost and day to day admin

VxRack and vSAN Ready Nodes – What's new?

The addition of VxRack and vSAN Ready Nodes to Dell EMC's offering is designed to simplify and speed up the IT transformation process, providing:

- The industry's top, turnkey, HCI options for VMware environments
- Advanced security options, including vSAN Encryption, the industry's first native HCI security solution with data-at-rest encryption built into vSAN 6.6
- The latest VMware technologies, including VMware Cloud Foundation
- Up to 80% more efficient at scale, providing more resources for applications, with a single management cluster for the entire system
- Greater flexibility and performance, including expanded CPU and all-flash storage options
- Integration with VMware Cloud Foundation with VxRack and VxRail products

IDEAL USE CASES



Private cloud in a box

All the benefits of the public cloud but without compromising performance, privacy or control.



Virtual Desktop Infrastructure

Predictable scalability, occupies a smaller data centre footprint and can grow as the business grows



Test and development environment

Simulates a real production environment that can be isolated from main infrastructure



Tier 1 apps

Offers high availability and can have additional redundancy for most applications



Limited IT resource

The modularity of the system simplifies the deployment process, cuts out capacity planning and requires less administration



Branch offices

Simplified, predictable and scalable infrastructure for remote branches that can also be managed remotely

BUILDING BLOCKS

VxRack system

- Delivers a rack-scale HCI solution
- Provides a complete solution, includes both server, storage and network hardware, and vSphere, vSAN, NSX and SDDC Manager software
- Simplifies and automates operations for lifecycle management, with one-click deployment and one-click upgrades for the entire solution stack
- Complete system management layer with VMware SDDC Manager

vSAN Ready Nodes

- Combines hardware and software into a ready-to-order package
- Allows for the perfect building blocks for your workloads
- Drives lower total cost of ownership (TCO) and reduces operational costs
- Improves storage efficiency while reducing capital expense

SCALE YOUR BUSINESS TODAY

To discover what **VxRack** and **vSAN** Ready Nodes can do for your business [click here.](#)