VMware vSAN Express Storage Architecture (ESA), introduced in vSAN 8, is an optimized and alternative architecture designed to process and store data with all new levels of efficiency, scalability and performance. ESA builds on the existing vSAN stack to leverage the powers of multi-core, higher memory and NVMe technology. This alternate architecture is optimized to take advantage of the full capabilities of modern hardware and is only available on new certified hardware.

Now, stronger than ever, their robust portfolio offers VMware vSAN Express Storage Architecture on certified Dell VxRail and Dell vSAN Ready Nodes.

Harness Next-Generation Performance with Hyper-Efficiency

VMware vSAN Express Storage Architecture on certified Dell VxRail and Dell vSAN Ready Nodes

20+ years
The Dell Technologies and VMware partnership continues to push the boundaries of innovation together.

Modern IT challenges
- Boost performance
- Improve efficiency
- Consolidate resources

Optimize performance, efficiency, resiliency and agility
- 4X higher performance via lower latency1
- 4X better compression for reduced cost of ownership2
- Instant snapshots native and efficient with zero performance impact
- Agile and intuitive operations via consistent vSAN management

Available on
- Dell VxRail: E6500 and P6700
- Dell vXrall: E6500 and P6700

Dell VxRail
VxRail, the only jointly engineered hyperconverged infrastructure (HCI) system with VMware, for VMware, to enhance VMware.

Dell vSAN Ready Nodes
HCI building blocks for vSAN Express Storage Architecture environments simplify and accelerate modernization while keeping your needed hands-on approach.

Always ready to deliver the fastest and simplest path to your IT outcomes, VxRail delivers a turnkey experience. It can extend business operations faster, more reliably, and with even more operational efficiencies. The simplest means to upgrade, update and patch your VMware. It is the only jointly engineered HCI system optimized for vSAN Express Storage Architecture, increasing vSAN performance fourfold.3

VMware vSAN Express Storage Architecture
The industry’s first single-tier HCI storage solution, delivers optimized performance and efficiency, high resilience and agile operations on next-generation NVMe devices.

Learn more: Dell.com/VxRail

1 Based on Dell analysis, August 2022
2 Based on VMware internal testing, July 2022. Outcomes are based on ideal configurations that may achieve up to 4X performance.

Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.