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.

### Boost performance

- **4X higher performance** via lower latency
- **4X better compression** for reduced cost of ownership

### Improve efficiency

- **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.²

### Consolidate resources

- **Instant snapshots** native and efficient with zero performance impact
- **Agile and intuitive operations** via consistent vSAN management

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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.

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**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.

### Dell VxRail

- **Dell VxRail E660N and P670N**
- **Dell VxRail**

**Dell vSAN Ready Nodes**

- **HCI building blocks for vSAN Express Storage Architecture environments**
- **simplify and accelerate modernization**

**Optimize performance, efficiency, resiliency and agility**

- **20+ years**
- **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.

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*Learn more: Dell.com/VxRail*