

# 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.

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

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. vSAN 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.

### Modern IT challenges



**Boost performance**



**Improve efficiency**

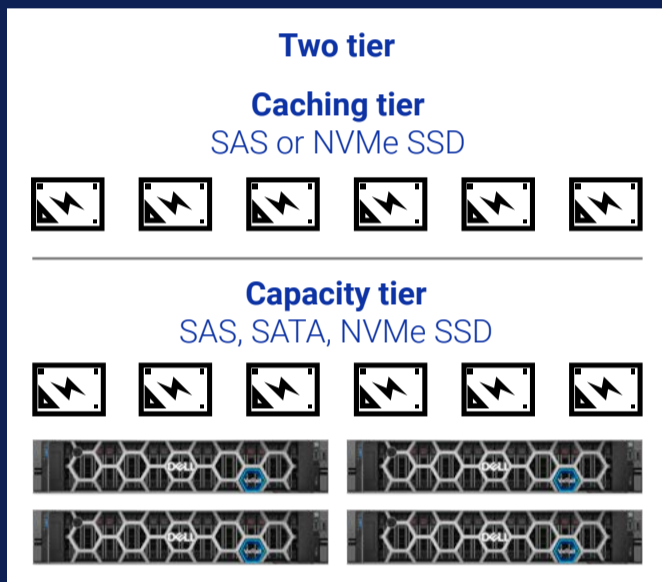


**Consolidate resources**

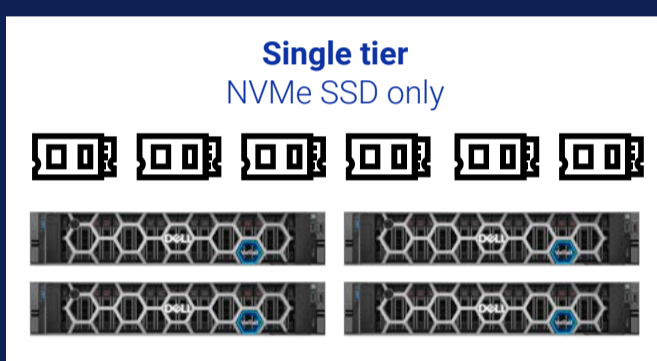
## Transform with an alternative VMware vSAN architecture

### vSAN architectures

#### Original vSAN architecture



#### vSAN ESA



### Available on



**VxRail**  
**VE-660 and VP-760**

#### VxRail

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

#### vSAN Ready Nodes

HCI building blocks for vSAN ESA 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 ESA, increasing vSAN performance fourfold.<sup>1</sup>



**vSAN Ready Nodes**  
**R660, R760, R6615, R7615 and R7625**

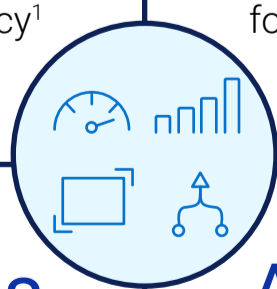
### VMware vSAN ESA

The industry's first single-tier HCI storage solution delivers optimized performance and efficiency, high resilience, and agile operations on next-generation NVMe devices.

## Optimize performance, efficiency, resiliency and agility

**4X higher performance**  
 via lower latency<sup>1</sup>

**4X better compression**  
 for reduced cost of ownership<sup>2</sup>



**Instant snapshots**  
 native and efficient with zero performance impact

**Agile and intuitive**  
 operations via consistent vSAN management

Learn more: [Dell.com/VxRail](https://Dell.com/VxRail)

<sup>1</sup> Based on Dell analysis, August 2022.

<sup>2</sup> Based on VMware internal testing, July 2022. Outcomes are based on ideal configurations that may achieve up to 4X performance.