

VMware vSAN

Everything you need to know

Storage isn't a basic business necessity anymore. It's an absolute necessity to remain competitive in a continuously demanding landscape. Done right, it can give you a serious competitive edge.

Virtualizing storage can create a more agile, secure, and reliable business—all while saving your business money.

That's why the virtual storage market is rapidly growing.

"By 2019, approximately 30 percent of the global storage array capacity installed in enterprise data centers will be deployed with [software-defined storage] or hyperconverged integrated system architectures based on x86 hardware systems, up from less than 5 percent [in 2016]."

GARTNER¹



Why vSAN?

The industry-leader in hyperconverged infrastructure (HCI) software

A core building block for a fully software-defined data center

Adopted by more than 7,000 customers across all industry verticals

Deployed for mission-critical applications by more than 60 percent of VMware vSAN™ customers

Recently won 3 Product of the Year industry awards

What's new with vSAN?

We've listened to customer feedback to drive further innovation.

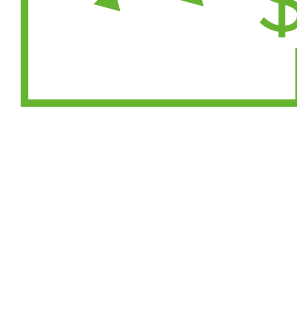
1 Native HCI security and availability

- First native HCI security for greater flexibility and cost-savings
- New data-at-rest encryption safeguards all stored data
- Avoid the need for costly self-encrypting drives and limited hardware choice
- Address compliance needs of customers; for example, Security Technical Implementation Guides (STIGs) and two-factor authentication
- Always-on protection for enhanced availability and resilient management



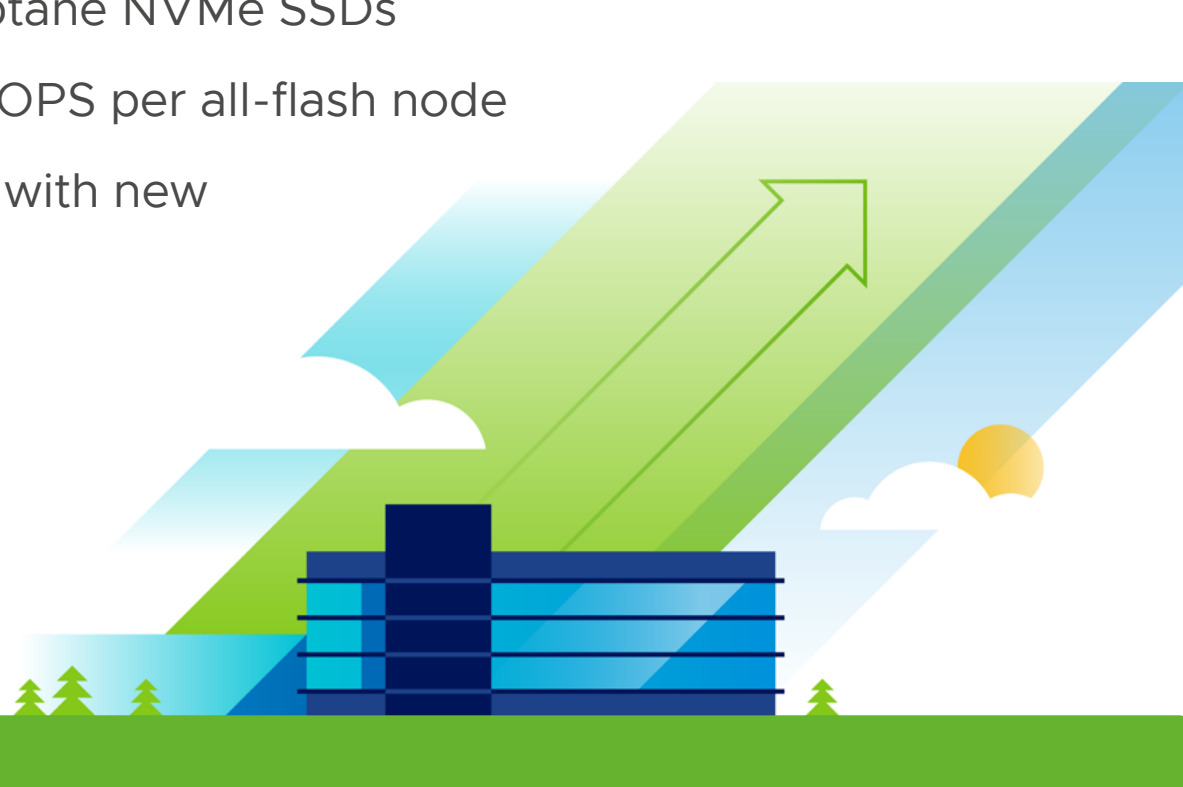
2 Lower costs with stretched clustering and intelligent operations

- Enterprise stretched clusters at 50 percent lower cost than traditional solutions
- Local site protection for both site and local component failures
- Intelligent operations for rapid deployment and simplified lifecycle management
- Day 0 support of cutting-edge hardware, such as Intel 3D XPoint technology



3 Enhanced data center performance

- Optimized flash performance for up to 50 percent greater performance
- 250 percent more IOPS for write-intensive workloads with Intel Optane NVMe SSDs
- Deliver up to 150,000 IOPS per all-flash node
- Built for next-gen apps with new reference architectures



Get started

We're introducing four soft bundles, called the VMware HCI Kit™, that:

Provide the essential software needed to deploy a fully software-defined HCI solution.

Can be deployed on certified hardware from the largest selection of HCI server vendors.

Simplify the purchasing process for channel partners, providing a single software SKU.

Discover the benefits of HCI powered by vSAN

"Being part of the vSAN beta program has allowed us to see firsthand how vSAN is innovating around new features, like native security and simplified operations."

JOHAN MARAIS
VIRTUALIZATION MANAGER
DISCOVERY LIMITED



How customers are already using vSAN

New College Durham deployed vSAN to enhance the student and teacher end-user experience as well as to cut down its IT expenditure.

[View case study](#)

"vSAN means delivering the level of IT that students need to do their studies and the services staff need to run the college. All while making £120,000 in operational savings."

GEORGE WRAITH
HEAD OF ICT
NEW COLLEGE DURHAM



One of Denmark's leading retailers, Coop deployed vSAN to drive a more seamless customer experience.

[View case study](#)

"vSAN powers every single business process in Coop—from the tills to the warehouses to headquarters. We rely on it to keep all our business processes up and running."

SØREN VENDLER
IT ENTERPRISE ARCHITECT
COOP DENMARK



For more details about vSAN, please click here:

[What's New in vSAN](#)

¹Gartner, Inc. "Top Five Use Cases and Benefits of Software-Defined Storage." Julia Palmer, Dave Russell. April 1, 2016.