

CREATE INTELLIGENT STORAGE OPERATIONS WITH HPE AND VMWARE SECURE WORKLOADS AND DATA SOLUTIONS

Automate and integrate your storage environment to better protect mission-critical workloads.

- **On-premises capacity planning is challenging:** 92% of enterprises wait a month or more for new capacity, but they also waste 40–50% of their server capacity.¹
- **Scalability and agility are critical concerns:** 70% of IT decision-makers say capacity planning is a headache, while 80% say provisioning is poor.²
- **A shift from storage arrays to software-defined storage:** 25% of businesses plan to use software-defined storage solutions instead of buying shared storage arrays.³



MODERNIZATION DEMANDS BETTER STORAGE INFRASTRUCTURE

Companies are now inundated with data, but still face challenges with how to securely and effectively manage it all.

However, traditional storage solutions often aren't equipped to meet the evolving business needs of modern organizations, seamlessly unify their hardware and software storage resources, or offer capabilities for them to easily align storage resources with individual application requirements.

Companies already grapple with too much complexity and struggle to manage storage across different environments. To meet today's business demands, they need simplified, dynamic storage management that increases their IT visibility, reduces complexity, and provides robust support for business-critical workloads.

Integrated storage solutions that virtualize and automate storage, streamline compliance, and facilitate service-level delivery will give organizations the capabilities they need to create a more agile, protected enterprise.

WHY HPE AND VMWARE SECURE WORKLOADS AND DATA SOLUTIONS

As leaders in Virtual Volumes (vVols), HPE and VMware are changing how to best manage external storage and virtualize more business-critical workloads.

Built for the cloud, HPE's AI-enabled intelligent, application-aware predictive storage provides maximum ROI, lower TCO, ease of use, cost benefits, and simplicity for VMware deployments. Together, our solutions tightly integrate applications and storage resources to simplify day-to-day operations, improve VM management, and increase efficiency.

Deep integration

As a key vVols design and integration partner and reference platform, HPE delivers full vVols support across the HPE Alletra, HPE Primera, and HPE Nimble Storage platforms, with hardware architectures optimized for vVols. HPE Primera and HPE Nimble Storage combined have the largest number of vVols integrations for VMware.

HPE and VMware have a more than 20-year partnership, with solutions that span security, AI, VDI, hybrid cloud, storage, HCI, and more. Our integrated suite of flexible, scalable software, services, and solutions helps organizations build a truly digital business and deliver better customer and employee experiences.

Source:

1. , 2. Research conducted by 451 Research in 2019 of more than 1,000 enterprise IT decision-makers.
3. The 2020 State of Virtualization Technology, SpiceWorks, 2020.

Solution Brief

We bring together an array of HPE and VMware solutions to deliver results for customers, including:

- HPE Alletra 6000, HPE Alletra 9000, and HPE InfoSight
- HPE Backup and Recovery Service
- HPE GreenLake for storage and data protection
- HPE GreenLake VM as a Service
- HPE GreenLake for Virtual Desktop
- HPE Storage Management Pack for VMware vRealize
- Site Recovery Manager (SRM)
- VMware Cloud Foundation™
- VM Data Protection
- VMware Tanzu
- VMware Virtual Volumes (vVols)
- VMware vCenter®
- VMware vRealize®
- Zerto, a Hewlett Packard Enterprise Company

USE CASES

VM-aware storage Backup and recovery service

Deploy workloads

Data center

App modernization

Refresh datacenter

Business-critical and SMB/mid-market workloads

Data mobility

Ransomware

Disaster recovery

Redefine workspaces

Data protection for VMs and containers



No more overprovisioning

vVols prevents overprovisioning by specifically mapping application requirements with storage resources. Unlike the legacy operational model, the enterprise-class virtual storage infrastructure provides flexibility in how customers consume storage capacity and data services, with automated adjustments in real time.

Better application performance and cost control

Customers can ensure application performance, apply policy, and automatically provision storage with no need to create and size LUNs. vVols works in an organization's existing environment across all storage types. Customers can add a vVols container and datastore alongside other datastore types on the same array and simplify testing an existing VM on vVols using VMware vSphere® Storage vMotion®.

With this approach, they can automatically reclaim space from deleted or migrated VMs and significantly reduce their capacity costs in the process.

Modernizing storage for the future of work

HPE Primary Storage and HPE HCI systems, such as HPE Nimble Storage dHCI and HPE SimpliVity-based VDI reference architectures, help customers deploy fail-proof enterprise-grade VMware VDI with ease and peace of mind. Organizations can take advantage of efficient, scalable, and high-performing storage to meet the growing demand for virtual desktop pools.

Complete data protection

HPE GreenLake for data protection, HPE Active Peer Persistence, HPE Backup and Recovery Service, and Zerto, a Hewlett Packard Enterprise Company, provide complete data protection and high-availability solutions for VMware deployments.

GET NEXT-GENERATION STORAGE WITH HPE AND VMWARE

HPE and VMware have partnered for more than 20 years to co-innovate industry-leading solutions that modernize storage and strengthen data security for organizations:

- **A proven partnership:** HPE is one of the few vendors that delivers the full-stack offering from hardware to software to VM licenses and consulting support to customers. HPE Storage Solutions for VMware span the virtual data center to virtual desktops to cloud deployments.
- **A simple path to modernization:** HPE Storage offers a wide range of VMware-specific solutions that are modern, reliable, and efficient. These solutions are deeply integrated into the VMware ecosystem, speeding time to value with seamless deployments and protecting workloads and data.
- **Experience that matters:** The combined expertise of HPE and VMware delivers the industry's most complete portfolio of integrated virtualization, cloud, and storage solutions and services. For storage customers, we provide consistent support from Day 1 to ensure seamless integration and effective resource utilization.

Every organization now needs to optimize their storage operations. Our integrated, full stack of storage and security offerings simplifies and automates storage management—accelerating your organization's digital transformation with less friction, less risk, and lower costs.

LEARN MORE AT OUR HPE AND VMWARE ALLIANCE SITE

<https://www.hpe.com/us/en/alliance/vmware.html>

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