

Start Your Journey to a Hyperconverged Infrastructure

Let VMware vSphere Foundation be your guide



Navigating IT complexity can be a rocky road. **VMware by Broadcom is here to help.**

Understanding the terrain

The number of workloads running across locations has exploded in recent years, and this trend is only going to continue.



622 million workloads running across public and private clouds by 2026¹

Today's organizations are struggling to deal with the increased costs, reduced productivity, and compromised security that IT complexity brings.



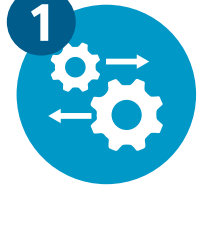
41 percent

By 2027, the number of enterprise containerized instances is expected to increase 4.5x at a CAGR of 41%.¹

Thankfully, VMware vSphere[®] Foundation can help you successfully navigate past this complexity to reach the promised land of IT infrastructure optimization.

How will you get there?

Streamlining and optimizing your IT infrastructure requires a solution that **delivers four essential elements:**



1 Intelligent operations management that helps maximize resources at scale.



2 A high-performing infrastructure that supports modern workloads and simplifies lifecycle management.



3 A developer-friendly platform that enables DevOps services and Kubernetes clusters.



4 Security and compliance features that help protect data and ensure business continuity.

This is where **VMware vSphere Foundation** comes in. It's the enterprise-class hyperconverged infrastructure (HCI) solution to power your organization through **the four steps of IT infrastructure optimization.**

Step 1: Boost operational efficiency



Leverage intelligent operations management and analytics to simplify, optimize and scale your infrastructure.

- Drive up to 40% lower server TCO by expanding memory with NVMe.
- Slash vCenter maintenance windows to under 5 minutes with zero service interruption.
- Automate host discovery and zero-touch imaging for rapid infrastructure scaling.

Step 2: Accelerate innovation



Empower developers with self-service access, integrated Kubernetes runtime, and powerful automation.

- Quickly deploy Supervisor Cluster and add advanced features and capabilities as needed.
- Enable independent Supervisor updates for faster access to new Kubernetes features.
- Deliver a consistent automation experience across VMware vSphere Foundation with standardized APIs and SDKs.

Step 3: Elevate security



Protect data and ensure business continuity with a secure-by-default infrastructure and advanced security features.

- Apply zero-downtime security updates for up to 80% of patches on TPM-enabled hosts.
- Achieve up to 27% lower recovery costs by standardizing resilience on vSAN.
- Orchestrate site-level availability with single-click updates for stretched clusters.

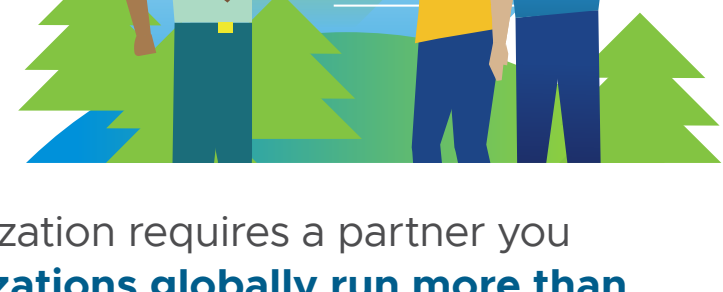
Step 4: Supercharge workload performance



Optimize memory, scalability and efficiency to power the most demanding modern workloads.

- Accelerate host evacuations with up to 65% faster migrations via Parallel DRS vMotion.
- Reduce migration CPU overhead by up to 70% with hardware-accelerated vMotion encryption.
- Lower storage TCO by up to 39% through performance-optimized, workload-aware data reduction.

Partner with a proven leader



Your journey to IT infrastructure optimization requires a partner you can trust. **More than 300,000 organizations globally run more than 85 million workloads on VMware every day, including:**

10 of the TOP 10 global banks



9 of the TOP 10 best hospitals in the world



19 of the TOP 20 global retailers



100% of U.S. federal agencies

Sources: Acuity, Rankings of Top World Banks, Newsweek, Best Hospitals, RLS News, Top 100 Retailers, 2020.

Gain new levels of efficiency and performance

Up to 40% lower server TCO with high-performance NVMe Memory Tiering.

Up to 68% performance gains via Topology Aware Scheduling.

Up to 80% zero-downtime patching coverage with Live Patching for TPM hosts.



Go further with Advanced Services



Leverage additional solutions to address specific business needs.



VMware vSAN

Expand the capacity of your HCI with the premier modern storage software for VMware vSphere Foundation.



VMware Live Recovery for Cloud

Confident cyber and disaster recovery to cloud isolated clean rooms with embedded network isolation, guided workflow automation and built-in validation tools.²



Site Recovery Manager

Fully orchestrated and automated disaster recovery at scale across on-premises VVF environments.



VMware Advanced Load Balancer

The API-first and self-service driven platform that provides load balancing, app security and analytics.

Start your journey today.

Ready to optimize your IT infrastructure? Let's go.

Visit the [solution page](#) to get started.



1. Morgan Stanley, "What's New in the 'New Stack'? Our Updated Server Workload Model Forecasts 622 Million Apps by 2027," July 2023.
2. IDC Business Value of VMware Live Recovery white paper, Megan Szurley and Phil Goodwin, November 2023.