Optimize Your IT Infrastructure with VMware vSphere Foundation

Harness the power of the industry-leading enterprise workload engine

vSphere Foundation benefits

77% gain in operational efficiency

20% reduction in issue resolution time

5x reduction in relative downtime

100% reduction in last-minute hardware costs

Source: Results are for a composite organization based on interviewed customers. The Total Economic Impact™ Of VMware Cloud Foundation Operations, a commissioned study conducted by Forrester Consulting on behalf of VMware, published April 2024.

Workloads, workloads everywhere. With the proliferation of workloads across all locations, including public cloud, private cloud and the edge, today's organizations are seeing their IT environments become more fractured and siloed than ever. This increasing complexity hinders enterprises in a variety of ways. Innovation gets stifled. Productivity goes down. Costs go up. Security becomes more challenging. Solving the complexity conundrum is critical for your organization to thrive. But how?

You need a truly modern solution that delivers four essential elements:

Intelligent operations management that helps optimize the use of existing resources

A high-performing infrastructure that features simplified hardware lifecycle management

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

Security and compliance features that help protect data and meet regulatory standards

In short, you need VMware vSphere® Foundation.

Transform your organization with vSphere Foundation

VMware vSphere Foundation is the enterprise workload engine built to optimize the IT infrastructure for organizations of all sizes by boosting operational efficiency, supercharging workload performance, elevating security, and accelerating innovation. It delivers intelligent operations management, purpose-built to enable the best performance, availability and efficiency from your infrastructure, while providing comprehensive visibility and analytics in one place.

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by **Broadcom**

Global leaders choose VMware by Broadcom

All around the world, today's most innovative organizations rely on VMware to help them navigate change.

300K organizations use VMware globally

85M workloads run on VMware daily

5M developers build on VMware today

Boost operational efficiency

With intelligent operations management and advanced analytics, vSphere Foundation can help you maximize capacity utilization and free your IT staff to focus on more strategic business initiatives.

- Optimize operations with full-stack infrastructure visibility across compute, storage and network.

- Enhance efficiencies with AI-driven troubleshooting and remediation.

- Maximize resource utilization with tools to assess capacity and automate cost savings.

- Reduce IT maintenance windows by enabling host configuration at a cluster level.

Supercharge workload performance

VMware vSphere Foundation delivers the power your organization needs to easily meet the throughput and latency requirements of modern workloads.

- Accelerate performance of key workloads.

- Harness up to 16 physical or virtual GPUs per VM.

- Boost the ROI of your AI infrastructure with GPU-aware workload placement and load balancing.

- Continually optimize performance through data analysis and intent-based workload placement.
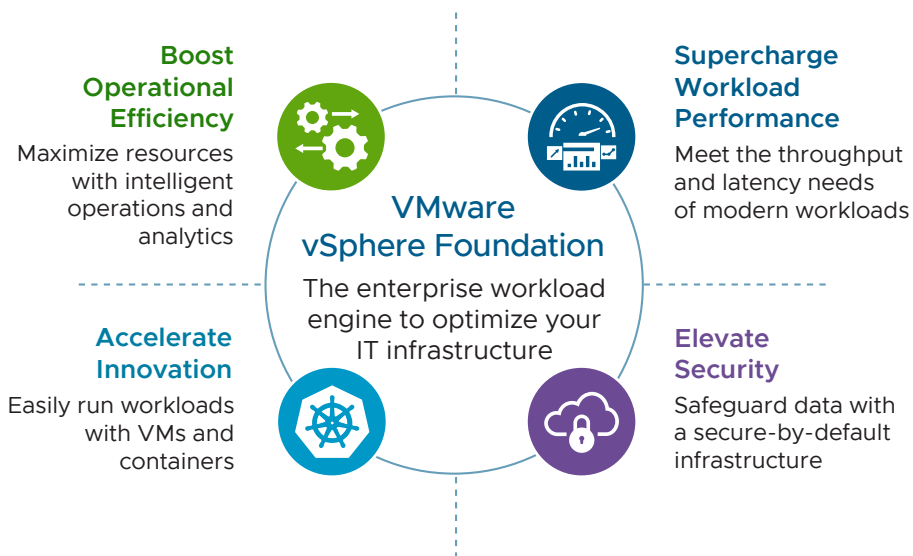
Boost Operational Efficiency
Maximize resources with intelligent operations and analytics

Supercharge Workload Performance
Meet the throughput and latency needs of modern workloads

VMware vSphere Foundation
The enterprise workload engine to optimize your IT infrastructure

Accelerate Innovation
Easily run workloads with VMs and containers

Elevate Security
Safeguard data with a secure-by-default infrastructure

Figure 1: How vSphere Foundation helps optimize your IT infrastructure.

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"Virtualization has allowed us to expose core services across our apps in a scalable manner … and completely redefine the user experience."

Harmeen Mehta
Global CIO, Airtel

Leader
SPRING
2024

#1 in server virtualization

vSphere was ranked #1 in the G2 Enterprise Grid® Report for Server Virtualization, Spring 2024.

Leader
SPRING
2024

Leader in container orchestration

vSphere was ranked #3 in the G2 Enterprise Grid® Report for Container Orchestration, Spring 2024.

Accelerate innovation for DevOps

VMware vSphere Foundation provides the fastest way to get started with Kubernetes, enabling you to easily deploy DevOps services to run workloads with VMs and containers and accelerate business innovation.

• Modernize existing workloads to meet customer needs.

• Build and run new modern apps on a unified system for simplified management.

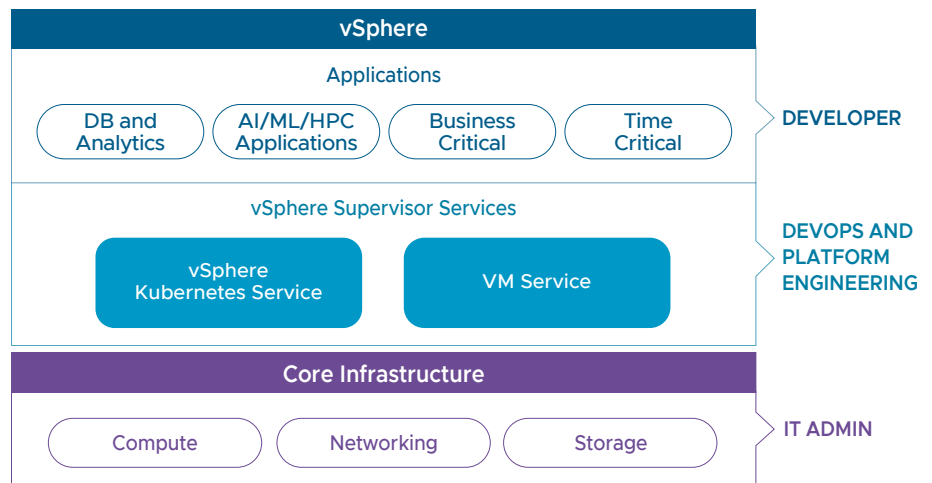• Accelerate time-to-market by providing self-service access to DevOps and Platform Engineering teams.

Figure 2: vSphere Foundation with DevOps Services provides the fastest way for your organization to get started with Kubernetes.

Elevate security

VMware vSphere Foundation delivers a secure-by-default infrastructure for all workload types to safeguard data and ensure business continuity for your organization.

• Employ features that adhere to the three tenets of information security—protecting data **confidentiality**, maintaining data **integrity**, and ensuring data **availability**.

• Leverage modern identity federation and secure multi-factor authentication.

• Enable governance and compliance to industry standards.

• Provide data-at-rest encryption for workloads.

CONFIDENTIALITY
Protecting systems and data from unauthorized people and groups

INTEGRITY
Preventing modification of data by unauthorized groups and systems

AVAILABILITY
Ensuring that data is available to authorized people when needed

Figure 3: The core tenets of information security.

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Next steps

1. Validate your business objectives and priorities.

2. Consider add-on offerings to address specific objectives.

3. Model the potential impact, savings and outcomes.

Get started today at vsphere.com

Accelerate your business transformation with powerful add-ons

Once you deploy vSphere Foundation, you can take advantage of additional game-changing solutions to address specific business needs.

• **VMware vSAN™** – Enterprise-class hyperconverged infrastructure (HCI) delivering high performance and scalability with robust security and lower cost.

• **VMware Live Recovery** – Proven solution for ransomware and disaster recovery with 75 percent faster resolution to downtime.

• **VMware AVI Load Balancer** – API-first and self-service driven platform providing load balancing, app security and analytics.

Speed your journey to IT infrastructure optimization

To learn more about how vSphere Foundation can help your organization boost operational efficiencies, supercharge workload performance, elevate security, and accelerate innovation, visit vsphere.com.