



What's New in VMware Cloud Foundation 9.0

Delivering the Modern Private Cloud

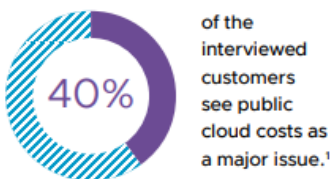
Today's IT infrastructure needs have evolved significantly, driven by the demands for greater scalability, security, and agility in response to the fast-paced and complex nature of modern business environments. The rigid, siloed nature of traditional infrastructure is ill-suited to the dynamic, fast-paced demands of the modern enterprise, presenting multiple challenges that limit the ability to cost effectively address these critical business requirements.

To remain competitive in this digital-first era, businesses require a modern infrastructure solution that seamlessly integrates and orchestrates modern cloud infrastructure into a cohesive, efficient, and scalable platform. Core requirements include the ability to support traditional and container-based workloads in a self-service manner with complete automation and orchestration. To address these needs, many organizations went all-in on the public cloud but rapidly realized there are significant challenges with these solutions.

As native public cloud services scale to meet the needs of the business, operating costs dramatically increased and were very difficult to predict and control. The flexibility of public cloud provided the agility, but variable data transfer costs, egress and hidden service fees. Security concerns also emerged as a major issue, due to the shared infrastructure and associated vulnerabilities making regulatory compliance and stringent data protection rules very complex to manage.

That's exactly where Private Cloud comes into the picture. A modern private cloud platform offers the best of both worlds - delivering the scale, flexibility and agility of a public cloud - with enhanced security, control, resilience and governance of on-premises infrastructure, to meet needs of each organization.

As the industry moves rapidly towards a Generative AI future, delivering secure, modern infrastructure is no longer a luxury. Modern enterprises know that they must deliver advanced services while improving resource utilization and lowering costs, but the need to harden privacy, cyber-security with stringent regulatory compliance is now mission critical. Private cloud platforms have evolved to deliver a cloud operating model that spans between on-premises, edge and public cloud with consistency and uniformity. A modern private cloud platform can deliver agility and flexibility to



VMware Cloud Foundation Deployment Options

VMware Cloud Foundation can be consumed in multiple ways:

VMware Cloud Foundation:

A Private Cloud platform with integrated enterprise-class compute, storage, networking, management, and security.

Advanced Services:

A portfolio of available services that expand the versatility of the VMware Cloud Foundation platform in the following advanced services:

- VMware Private AI
- Ransomware/Disaster Recovery
- Advanced Security
- Load Balancing
- Application Services
- Data Services
- Network Observability
- Business Operations
- Secure Access

organizations to build and deliver services on any cloud endpoint, but also offer the mobility and security to migrate apps as the business dictates. It is, of course, required that the enterprise deploy the appropriate security and governance mechanisms to ensure that all regulatory compliance requirements are met across this hybrid cloud environment.

A powerful element of modern private cloud is the ability to build standardized, predictable policies that are enabled through powerful automation layers to uniformly deploy secure infrastructure, but to lower operational costs through orchestration that simplifies operations, streamlines processes and remediates potential threats to the organization.

VMware Cloud Foundation - A Modern Private Cloud Platform

VMware Cloud Foundation (VCF) is the industry's first private cloud platform to deliver public cloud scale and agility with on-premises security, resilience and performance, while lowering total cost of ownership. VCF accelerates customers' digital innovation with faster infrastructure modernization, a unified cloud experience, along with stronger cyber resilience and platform security.

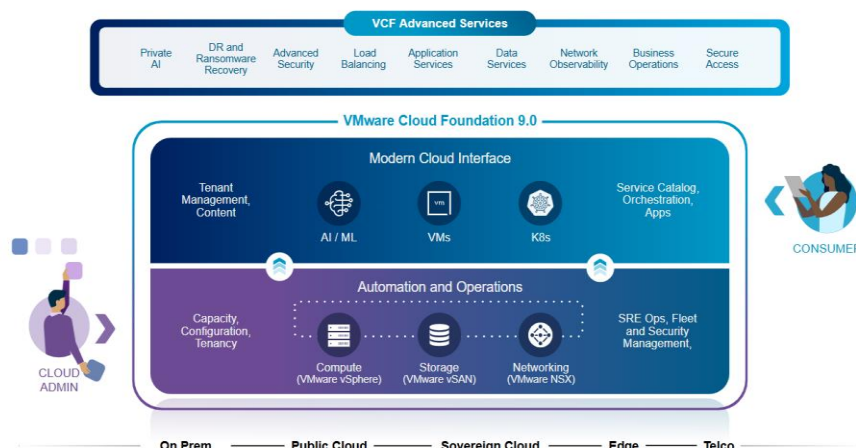


Figure 1: Delivering a modern private cloud platform with VMware Cloud Foundation

A Unified Platform for All Applications and Environments

VMware Cloud Foundation delivers a consistent private cloud experience across ANY Environment - whether it's a customer managed data center, edge location or any cloud endpoint. VCF supports both traditional as well as modern workloads such as containers, AI/ML workloads and brings modern applications faster to the market with self-service IaaS consumption experience for the application teams.



Most Innovative Cloud Infrastructure Solution

VCF was selected as a winner of the 2025 Tech Innovation CUBEd Awards
Visit: [theCUBE's award page](#)



A Leader in G2 IaaS Segment

VCF was named as G2 Leader in IaaS category, Winter 2025
Read: [G2 Reviews on VCF](#)

Analyst Recognition

A Leader in Gartner® Magic Quadrant Distributed Hybrid Infrastructure for 2 consecutive years²

What's New in VMware Cloud Foundation 9.0

VMware Cloud Foundation 9.0 features and capabilities make it easier than ever for customers to deliver a Modern Infrastructure, Unified Cloud Experience and a Secure and Resilient Platform. Let's look at the key features and capabilities of VMware Cloud Foundation 9.0

One Interface to Private Cloud Operations

VMware Cloud Foundation 9.0 offers a streamlined experience for building, operating, and securing private cloud—all from a single interface.

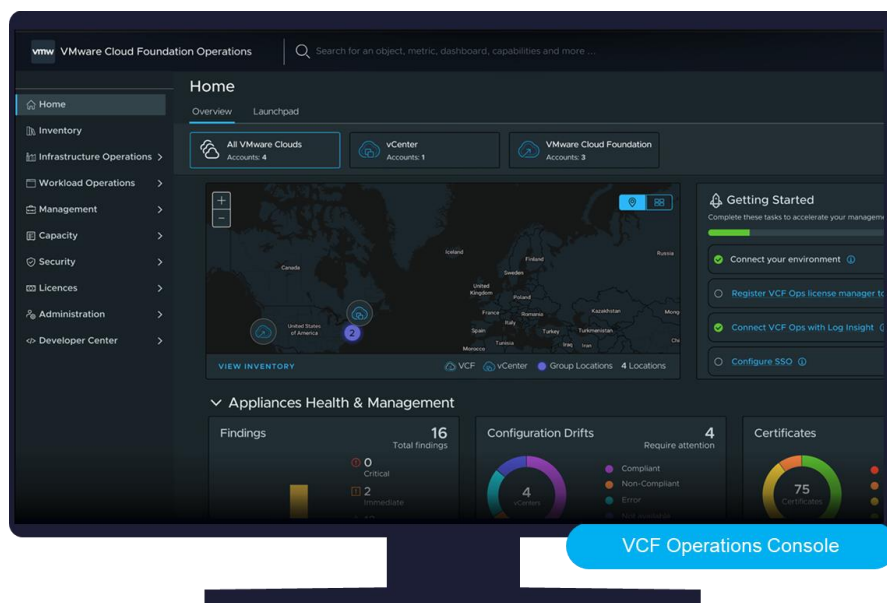


Figure 2: Unified cloud admin experience with the VCF Operations console

New Build and Operate Experience

Quick deployment with integrated governance allows you to get up and running faster using the Quick Start App, reducing setup time and complexity while ensuring compliance and operational efficiency from day one through cost management and policy enforcement.

Fleet Management at Scale

Simplified lifecycle and unified management allow you to plan, schedule, and execute upgrades across clusters with minimal disruption while bringing consistency across environments through centralized IAM, SSO, password policies, tags, and certificates.

Platform Security and SecOps

Proactive diagnostics and application insights provide infrastructure-wide visibility that surfaces potential issues early, enabling quick action, while advanced analytics help understand workload behavior and trigger targeted responses for security and performance optimization.

Peer Review

Gartner
Peer Insights.

"VMware cloud foundation offers comprehensive and integrated platform for managing hybrid and private cloud environments. One of its strongest advantages is the seamless integration of compute, storage, networking and management components."

Read: [Gartner Peer Reviews on VCF](#)

One Interface For A Cloud Consumption Experience

VMware Cloud Foundation 9.0 offers a frictionless, cloud-like experience for teams consuming infrastructure—delivered through a single, unified interface.

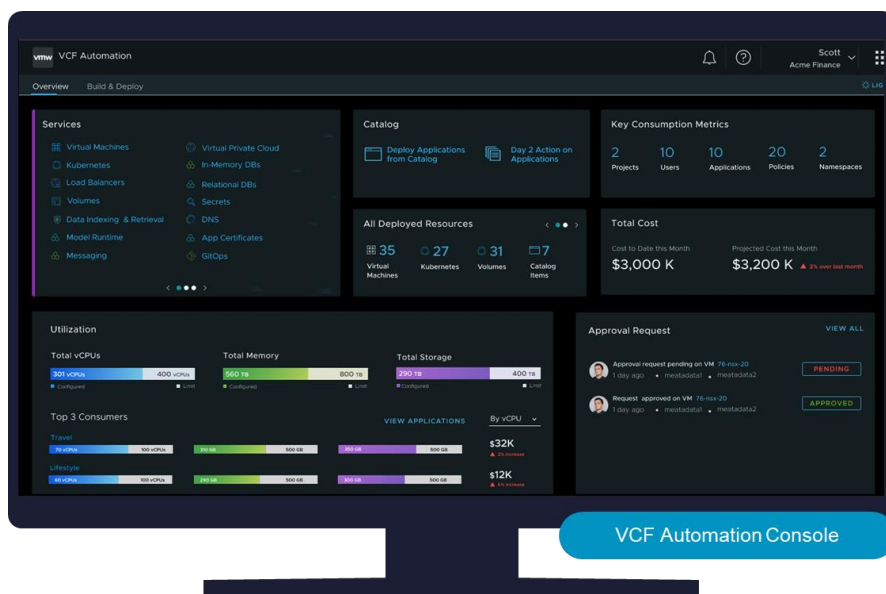


Figure 3: Unified consumption experience with VCF Automation console

Tenant Management

Resource allocation and identity control allow you to organize, provision, and manage tenant resources with granular control and efficiency while providing streamlined management for both admin and tenant identities, ensuring secure, role-based access without complexity.

Cloud Governance

Policy enforcement allows you to maintain consistent compliance across all deployments through built-in governance policies, while automated workflows and predefined blueprints deliver value by simplifying provisioning, reducing manual overhead and ensuring repeatable, compliant infrastructure.

Developer Experience

IaaS services provide a self-service model with built-in automation, governance, and elastic scaling, empowering teams to move fast, while centralized resource catalog ensures consistency while giving developers the speed and flexibility of public cloud.

“By ensuring our critical clinical applications are protected and always available with vDefend security solutions, we advance St. John’s Health’s reputation as a trusted partner with the community.”

Tyler Wertenbruch
IT Technical Manager, St. John’s Health

“I don’t have people patching in the middle of the night. I’m not spending months trying to get a patch in place because we’ve got multiple dependencies to secure. We know maintenance windows in advance, and everything is much simpler.”

Roger Joys
Vice President of Enterprise Cloud Platform, GCI Communications

Run Containers, VMs and Traditional Apps Natively

With VMware Cloud Foundation 9.0, customers get a unified platform to run containers, VMs, and enterprise applications natively.

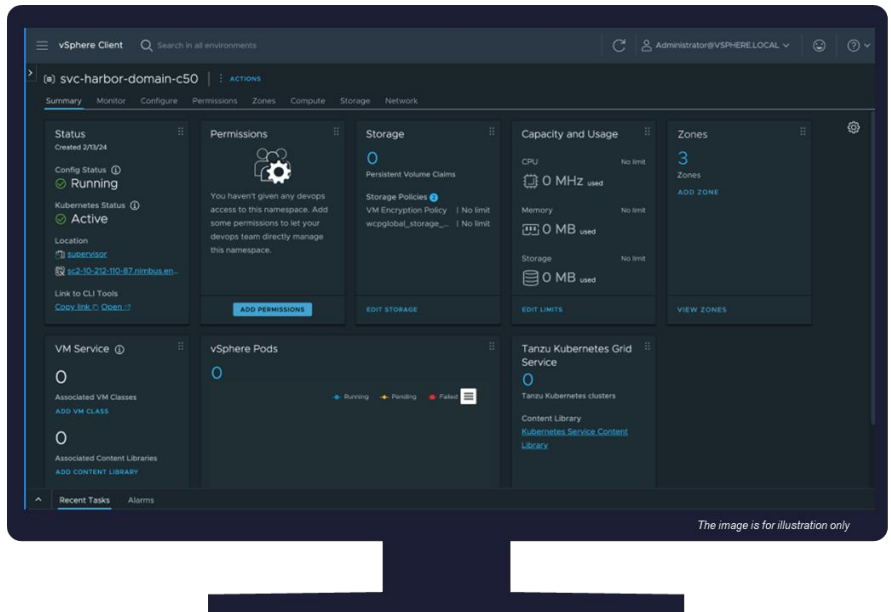


Figure 4: One platform for all applications with no compromises

Build and Deploy Immediately

Kubernetes and virtualization are integrated out of the box, eliminating the need to assemble separate stacks. This seamless integration allows developers and IT teams to start building and running workloads right away, streamlining their workflow and enhancing productivity.

Consistent Operations

VCF’s unified platform manages VM-based applications, cloud-native workloads, and traditional enterprise software through one interface, and operational model. This approach simplifies management, reduces complexity and enhances efficiency, enabling IT teams to focus on innovation and deliver business value.

Scalability Without Rework

Applications can scale seamlessly across private and hybrid cloud environments without the need for rearchitecting infrastructure. This ensures businesses can grow and adapt effortlessly, maintaining operational efficiency and reducing time spent on infrastructure modifications.

“VMware Cloud Foundation is a robust and comprehensive solution that is ahead of its time, enabling us to move in an agile, secure, and simple manner between the public cloud to the private cloud and vice versa.”

Rita Saul Antonio Reyes Director of Technology and Information Systems, UNIMINUTO

Sovereign, Secure and Compliant as A Platform

VMware Cloud Foundation 9.0 is designed to meet the highest standards of data control, compliance, and resilience, ensuring organizations can operate with confidence in an era of increasing regulatory scrutiny and geopolitical uncertainty.



Figure 5: Resilient infrastructure, enforced governance and seamless control

Data Sovereignty Without Trade-Offs

Maintain complete control over where and how data is stored, processed, and accessed while maintaining the agility of cloud operations.

Built-In Compliance and Certifications

Our out-of-the-box regulatory alignment ensures adherence to industry and regional compliance standards without additional configuration overhead. This significantly reduces organization risk exposure and streamlines audit processes.

Cyber Resilience at Scale

Our comprehensive multi-layered security architecture with Integrated zero-trust security, automated threat detection, and proactive recovery mechanisms ensure that your infrastructure and applications remain protected against evolving threats.

Cloud Flexibility with Local Control

Seamlessly extend workloads across private, hybrid, and edge environments while maintaining strict security, governance, and operational policies tailored to your business and regulatory needs.

Helpful Resources

For VMware Cloud Foundation product page, please visit: [here](#)

For VMware Cloud Foundation Edge, please visit: [here](#)

For VMware Cloud Foundation feature comparison, please visit: [here](#)

For Private Cloud Modernization Program, please visit: [here](#)

Join the Cloud Foundation Community: [here](#)

Contact us: [here](#)

Private Cloud Cost Transparency

VMware Cloud Foundation 9.0 brings financial clarity to private cloud, ensuring organizations can scale without runaway costs or hidden inefficiencies.

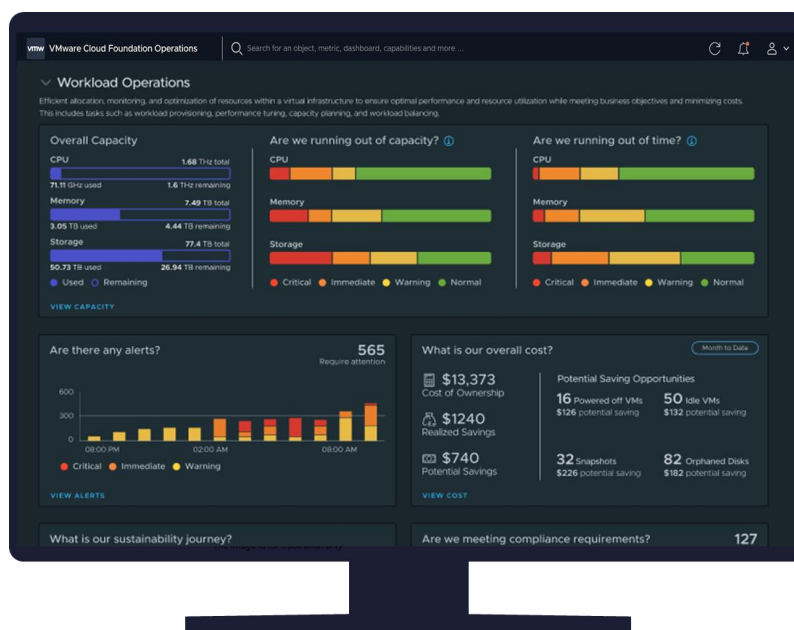


Figure 6: Cost control through visibility, chargeback and showback

Deep Cost Visibility

Gain comprehensive financial clarity with out-of-the-box insights that go beyond infrastructure, factoring in software licensing, operational expenses, and even physical data center costs to provide a true total cost of ownership (TCO) view.

Predictive Cost Modeling

Eliminate budget uncertainty with sophisticated forecasting capabilities. The built-in analytics enable you to accurately plan and forecast infrastructure costs, helping your organizations optimize resources and avoid unexpected financial surprises.

Automated Resource Optimization

Identify underutilized capacity and reclaim resources dynamically, ensuring that your workloads run efficiently without unnecessary infrastructure sprawl.

License Efficiency and Consolidation

Achieve infrastructure efficiency with the platform's 1.5x VM density per host capability. This maximizes your hardware and licensing investments, delivering significant cost savings while maintaining superior performance.

Chargeback and Showback

Drive financial discipline with granular visibility into consumption patterns, expenses across teams, workloads, and business units.

Get started

Learn more about how [VMware Cloud Foundation](#) can help you build a modern private cloud. Want help in your cloud journey? Our [Private Cloud Modernization Program](#) is designed to guide you through every step, no matter where you are in the process. Interested in joining the program? Complete this [form](#) or contact your Broadcom representative to learn more.

Sources:

1. IDC FutureScape. "The Infrastructure and Cloud Impact." Franco Chiam, 2023.
2. Gartner Magic Quadrant for Distributed Hybrid Infrastructure, 7 October 2024 and 27 September 2023.

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