

VMware Cloud Foundation

Run Modern Apps with Security, Efficiency, and Lower TCO

Kubernetes Adoption and Challenges

- 80% of IT organizations surveyed by CNCF have deployed Kubernetes in production environments¹
- 77% of Kubernetes practitioners experience ongoing issues with cluster management and deployment²
- 85% of containers are projected to run within VMs by 2028, driven by increasing demands for security and scalability³

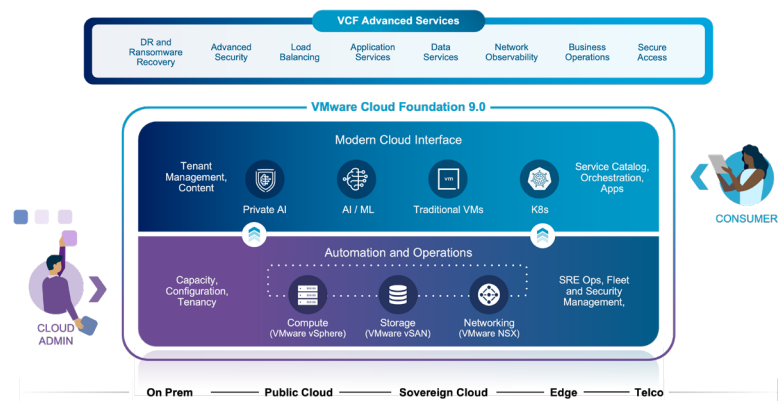
Key Use Cases Enabled by VCF

- App Modernization
- Regulated Workloads
- AI/ML Workloads
- Modern Private Cloud Deployment
- Dev/Test Environments

Your Organization Benefits From

- 46% lower TCO running containerized workloads on VCF⁴
- 24 months support for Kubernetes minor releases
- Open Source Leadership with Broadcom among Top 3 long term contributors to the Kubernetes community⁵

Organizations seek a consistent, secure, and efficient way to run modern containerized applications as well as traditional applications that use virtual machines. VMware Cloud Foundation (VCF) delivers exactly what they look for: a unified platform that integrates compute, storage, networking, and security with built-in automation and lifecycle management. VCF helps organizations eliminate silos, reduce TCO, streamline management, and accelerate their modernization journey.



Why VCF is the Smarter Choice for Modern Workloads in Your Organization

- App Modernization at Lower TCO: Consolidated infrastructure for containers and VMs reduces silos, licensing requirements, and operational overhead.
- Faster Time-to-Value: Faster app delivery for digital transformation initiatives means projects deliver value sooner and start producing ROI earlier.
- Enterprise Grade Security and Compliance: VCF meets data sovereignty and regulatory requirements with FIPS and end to end data encryption, reducing risk of exposure.
- Skill Gap and Resource Productivity: Existing teams can leverage familiar skills while managing Kubernetes. This closes the skills gap, reduces risk, and accelerates innovation by making teams more productive from day one.
- Open Source Leadership: Broadcom is a top 5 contributor in the CNCF Kubernetes community, actively contributing, maintaining, and supporting open source CNCF projects that drive innovation, collaboration, and ecosystem growth, benefiting the entire community.

By consolidating infrastructure management and simplifying Kubernetes operations, VCF helps enterprises align IT strategy with business outcomes, enabling innovation at scale while reducing operational costs.

Cloud Admins Benefit From

- Single platform for VMs and containers for consistent operations
- Simplified Kubernetes operation leveraging existing skills
- Policies, governance, and control
- Multiple Kubernetes version support for upgrade flexibility

Platform Engineers Benefit From

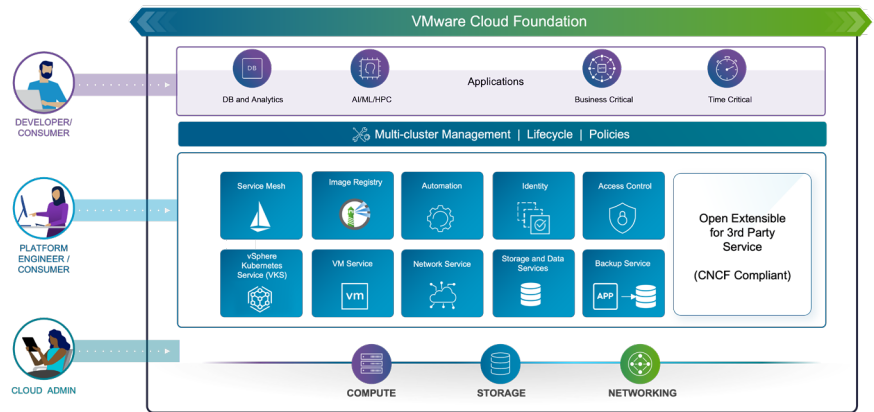
- CNCF certified Kubernetes runtime, which runs all apps
- LTS for Kubernetes minor releases
- Built-in integration with common PE tools, such as Argo and Helm
- Multi-cluster lifecycle management, policy and backup at scale
- Robust set of consistent APIs across all building-block services, including Private AI
- 6 layers of fault and cyber threat isolation

Resources and Next Steps

- Read what [451 Research](#) says about what's shaping platform engineering today
- Watch this webinar with [Forrester's analysis](#) on how to choose the right platform for your modern workloads
- Contact your [VMware Account Team](#) to discuss how VCF can help deliver on your strategic objectives

1. [CNCf Survey Surfaces Steady Pace of Increased Cloud-Native Technology Adoption](#)
2. [The Rise of Kubernetes - and the Complexity that Followed](#)
3. [IDC Whitepaper](#) on convergence of containers and VMs in Modern IT infrastructure
4. Based on VMware analysis
5. [CNCf Kubernetes](#) contribution stats

How VCF Helps Simplify Kubernetes



VMware vSphere Kubernetes Service (VKS) is the Kubernetes runtime built directly into VCF. With a CNCF certified Kubernetes distribution, VKS enables platform engineers to deploy and manage Kubernetes clusters while leveraging a comprehensive set of cloud services included in VCF, as well as all conformant third-party services. Cloud admins benefit from policies, governance and control, flexibility of upgrades, enterprise grade security, and simplified lifecycle management for easier modern apps adoption.

Customer Success Stories

First Commercial Bank



“Through this containerization process, First Bank has successfully built a more agile and more resilient cloud native platform. It has enhanced the usability and flexibility of our applications and has laid a solid foundation for large-scale adoption in the future.”⁴

- Dr. Pei-Wen Liu, Executive Vice President and Chief Information Security Officer, First Bank

Chitale Dairy



“We are transitioning all our software to modern, containerized apps. With VMware, we have progressed quickly on that journey, and transforming our software has helped us become a more agile business moving in the direction consumers want.”⁵

- Vishvas Chitale, CEO and CTO, Chitale Dairy

VCF provides a secure, automated, and scalable platform for modern workloads. With Simplified lifecycle management, enterprise grade security, and CNCF aligned innovation, VMware Cloud Foundation is the smarter choice for organizations to accelerate application modernization and run workloads consistently with confidence and efficiency.