

VMware Cloud Foundation Implementation Service

What is VMware Cloud Foundation (VCF)?

VMware Cloud Foundation (VCF) delivers a unified and automated platform, simplifying the deployment of a fully integrated infrastructure-as-a-service (IaaS) stack. Enabling consistent, secure, and agile operations across private and public clouds, VMware Cloud Foundation ensures that organizations can flexibly scale their infrastructure to meet evolving business needs. VCF consolidates SDDC functionality in a way that significantly reduces the complexity of private cloud deployments.

VMware Cloud Foundation (VCF) is VMware's integrated software platform that combines compute, storage, networking, and cloud management services into a single, automated stack—streamlining the deployment and lifecycle management of a modern, hybrid cloud infrastructure. Built for flexibility and scalability, VCF enables consistent operations across private and public clouds while providing a secure, enterprise-grade foundation for both traditional and modern applications. To help organizations successfully plan, deploy, and optimize their VCF environments, Connection's Professional Services team offers expert guidance and hands-on implementation support tailored to your business and IT objectives.

Customer Benefits of VMware Cloud Foundation (VCF)

Connection's primary objective with VCF is to empower our current and future customers to achieve maximum value and benefit from their investment in their VMware infrastructure, while managing their internal private clouds with the greatest ease and operational efficiency. Connection's VMware specialists can assist in the planning, design, and implementation of VCF to help you to realize its key benefits. Some of these include:

- **Future-ready Infrastructure:** VMware's modular, software-defined architecture supports growth, innovation, and evolving workload demands without disruptive infrastructure changes.
- **Support for Modern Applications:** Native Kubernetes integration and Tanzu services enable seamless support for containerized workloads alongside traditional VMs.
- **Consistent Hybrid Cloud Operations:** Unified infrastructure and operations across private and public clouds simplify management and reduce operational overhead.
- **Faster Time to Value:** Automated deployment and lifecycle management accelerate infrastructure readiness and streamline Day 0 to Day 2 operations.
- **Built-in Security and Compliance:** Integrated NSX networking and micro-segmentation enhance security posture while simplifying compliance with industry regulations.
- **Optimized Resource Utilization:** Pooling and dynamically allocating compute, storage, and network resources increases efficiency and reduces total cost of ownership.
- **Simplified Infrastructure Management:** Centralized, policy-driven tools reduce complexity and allow small IT teams to manage the full stack with less manual effort.



What are compelling business reasons for the adoption of VCF?

First, it's a true software-defined data center (SDDC). VCF is a mature, structured, modular "operational platform," with core components that include network virtualization (NSX), virtual storage (VSAN), vSphere, and Aria Operations and Automation—and more. Think of it as a cloud-ready, cloud-enlightened, "Hyperconverged+" platform that provides building blocks for more advanced services add-ons that easily snap onto the foundational offering.

Moving forward, this common and consistent platform will more easily support additional software enhancements that presume VCF. This unified platform approach brings consistency to VMware infrastructures across the customer base—thus accelerating market innovation, product integrations, and hybrid cloud / multicloud operational unity.

The "hyper-capable" VCF platform thus creates a foundation that eliminates obstacles to innovation and directly supports private AI adoption. This is in contrast to legacy approaches to adoption with broadly inconsistent VMware deployments across the customer base, in which each customer environment had a unique path to get from "here" to "there" or from "today" to "tomorrow."

VMware vSphere Foundation (VVF):

VMware's virtualization platform that goes well beyond its vSphere Enterprise Plus offering and includes vCenter Standard and VCF Operations, as well as Operations for Logs. Typical deployments are less than 10 hosts.

VMware Cloud Foundation (VCF):

VMware's comprehensive software-defined data center (SDDC) solution with core components that include virtual networking (NSX), virtual storage (VSAN), vSphere, and VCF Operations and Automation—and more.

Why Connection?

Connection offers products, technical expertise, solutions, and services to help your business adapt to the ever-changing technology landscape. Connection designs and deploys infrastructure solutions tailored to each customer's unique business needs enabling them to optimize spend while enhancing agility.

To learn more about VMware Cloud Foundation, contact your Account Team today!

1.800.998.0067

www.connection.com/services

Connection Feedback on the VCF Adoption Experience

Customers often expect VMware Cloud Foundation (VCF) to deliver infrastructure modernization and hybrid cloud readiness—but many are surprised by additional, less-anticipated benefits that significantly impact operations and strategy. Here are a few unexpected or pleasantly surprising benefits reported by customers:

- **Reduced Operational Overhead:** The full-stack lifecycle automation—especially for updates and patches—frees up IT staff from tedious maintenance tasks. Customers often say they underestimated the operational simplicity that VCF brings.
- **Improved Application Performance:** When workloads are migrated to VCF with vSAN and NSX-T, customers frequently report unexpected performance improvements, especially for apps that benefit from the storage and networking optimizations.
- **Faster Troubleshooting and Visibility:** The integration with tools like Aria Operations (formerly vRealize Operations) provides deep observability and root-cause analysis—features some customers didn't prioritize initially but end up relying on heavily.

Connection VMware Cloud Foundation Professional Services

- **Greenfield Implementation/Re-Platforming:** Connection can plan and deploy VCF as a new platform within your IT infrastructure and assist you in its adoption—including the migration of workloads from your vSphere legacy infrastructure.
- **VCF Operations and Automation:** To help you achieve greater operational efficiency and realize the full potential of the VCF Operations feature set, our VMware specialists can deploy and customize according to your specific requirements. Additionally, we can assist by integrating VCF Automation into your existing workflows—preparing for a new paradigm of Infrastructure-as-Code, automated provisioning and configuration management, and policy-based governance.