



Solution Brief

Key Benefits

- Faster time to value
- Lower operational overhead
- Predictable lifecycle management
- Stronger security and compliance

VMware Cloud Foundation 9 Design Service

Every modern organization is under pressure to move faster, stay secure, and deliver more with fewer resources. But true transformation doesn't begin with hardware or software; it begins with an architecture that is intentional, resilient, and ready for what comes next.

The VMware Cloud Foundation 9 Design Service helps organizations create exactly that: a unified, single-site private cloud platform, purpose-built to support today's business demands while providing a clear path for future growth.

Through deep analysis, planning, and architectural design, MBCOM VMware experts turn complexity into clarity. From the Management Domain to the Workload Domain, from network segmentation to security policies, every component is shaped into a cohesive, scalable, and secure solution.

Overview

- End-to-end design of a single-site VMware Cloud Foundation environment
- Architecture for both the Management Domain and the VI Workload Domain
- NSX-driven network and security segmentation
- VPC-ready design for modern cloud-native flexibility
- Compute, storage, and operational architecture aligned with VMware best practices
- Comprehensive documentation and a design review to ensure full customer readiness



Benefits

Turn Infrastructure into a Strategic Advantage: Gain an architecture that accelerates innovation instead of slowing it down.

Accelerate Your Cloud Journey: A validated, production-ready design eliminates guesswork and speeds up deployment.

Simplify Operations: Standardized architecture reduces complexity and improves operational efficiency

Strengthen Security and Control: NSX-powered segmentation and consistent policy enforcement protect your most valuable assets.

Prepare for What's Next: The design supports future workload expansion and cloud-native services without disruptive changes.

Empower Your Team: Clear documentation and design review sessions give your team the confidence to operate the environment effectively.



Service Scope Overview

The following service scope defines the parameters under which this service will be delivered. They establish the scope, supported components, and design boundaries to ensure clarity, consistency, and alignment with agreed objectives. Each parameter represents a specific aspect of the service design or implementation. By outlining these parameters, the documentation provides a transparent framework for delivery, enabling predictable outcomes and minimizing risk. This structured approach ensures that all stakeholders share a common understanding of what is included, how it will be executed, and the boundaries within which the service operates.

VMware Cloud Foundation 9 Design Service Scope

The Design Service for VMware Cloud Foundation (VCF) provides detailed planning and design for deploying a VCF environment tailored to the customer's specific needs. This service is designed to create a scalable, efficient private cloud infrastructure for single sites that aligns with best practices and supports the customer's business objectives.

Management Domain Design

Specification	Parameter
Management Domain Design Scope	
Develop a design for the VCF environment, including hardware and software requirements.	Up to one (1) VCF Fleet and up to one (1) VCF instance
Design the management domain.	Up to one (1) VCF management domain (1 per VCF instance)
MGMT Domain Operations Design Scope	
Design VCF Operations	Up to one (1) VCF Operations cluster instance
Design VCF Operations Fleet Management	Up to one (1) Fleet Management appliance
Design VCF Operations Collector	Up to one (1) per VCF Instance
MGMT Domain NSX Design Scope	
NSX Manager Cluster Design	Up to one (1) per VCF instance
NSX Edge Cluster Design	Up to one (1) per VCF instance
Tier-0 Gateway Design	Up to one (1) TO Gateway
BGP Routing Design	Up to two (2) BGP peers
Centralized Transit Gateway Design	Up to one (1) Connectivity Profile
External Connections Design	Up to one (1) External Connection
VPC Connectivity Profile Design	Up to one (1) Connectivity Profile per VPC
VPC Service Profile Design	Up to one (1) Service Profile per VPC
Virtual Private Cloud (VPC) Design	Up to two (2) VPCs
VPC Subnet Design and IP Address Planning	Up to four (4) CIDRs
Transport Zone Design (Overlay and VLAN)	Up to one (1) Management Domain
Design Role-Based Access Control	Up to one (1) NSX Manager cluster

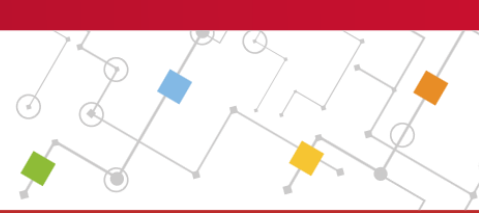


VI Workload Domain Design

Specification	Parameters
VI Workload Domain Design Scope	
Design VI Workload Domain(s)	Up to one (1) VI Workload Domains (1 per VCF instance)
Design VI Workload Domain Architectures	According to the VCF reference architecture and best practices
Design vCenter Server	Up to one (1) vCenter Server per WLD domain
Design cluster(s) for the Workload Domain	Up to one (1) cluster per WLD domain
Design vSphere Hosts for Workload Domain	Up to ten (10) vSphere hosts per cluster
Design storage for the Workload Domain	Up to one (1) Datastore
VI Workload Domain NSX	
NSX Manager Cluster Design	Up to one (1) NSX Manager cluster per VI Workload Domain
NSX Edge Cluster Design	Up to one (1) Edge cluster
Tier-0 Gateway Design	Up to one (1) T0 Gateway
BGP Routing Design	Up to two (2) BGP peers
Centralized Transit Gateway Design	Up to one (1) Transit Gateway
External Connections Design	Up to one (1) External Connection
VPC Connectivity Profile Design	Up to one (1) Connectivity Profile per VPC
VPC Service Profile Design	Up to one (1) Service Profile Per VPC
Virtual Private Cloud (VPC) Design	Up to two (2) VPCs
VPC Subnet Design and IP Address Planning	Up to four (4) CIDRs
Transport Zone Design (Overlay and VLAN)	Up to one (1) Overlay and VLAN transport zone per VI Workload Domain
Design Role-Based Access Control	Up to one (1) NSX Manager cluster

Milestones, deliverables, and Payment Schedule

Milestones #	Deliverables	Total Credits
Milestone #1	<ul style="list-style-type: none"> Kick-Off Meeting 	35
Milestone #2	<ul style="list-style-type: none"> Design Workshop(s) Design Document Design review with the customer 	54
Milestone #3	<ul style="list-style-type: none"> Planning and Preparation Workbook Project closure meeting 	30
Total		119



- MBCOM PSO estimates that the project will take 2 weeks to complete
- Any requirement for hybrid or on-site delivery shall be subject to prior agreement and coordination with the Account Manager and may result in adjustments to scope, timeline, and commercial terms

[Commercial & Contractual Terms](#)