HCLTech | AMD | vmware by Broadcom

VMware Cloud Foundation advanced by AMD

Maximize Performance. Optimize for Efficiency. Innovate at Scale.

With the modern business landscape changing faster than ever, traditional infrastructure can no longer keep pace. While IT initiatives towards transformation aims to address this, fragmented strategies and rapid cloud adoption can bring their own challenges. This often results in a complex mix of legacy systems, private data centers and public clouds that lead to inefficiencies, security gaps and operational silos.

Enterprises today seek more effective modernization pathways and it's a fact that we can see reflected in today's emerging trends.

33%
of public-cloud apps have been repatriated back to private or on-prem environments largely due to performance and compliance reasons.

94%
of security decision-makers believe private cloud is more secure for sensitive workloads than public cloud.

90%
of organizations will adopt hybrid cloud strategies by 2027 with the goal of improving scalability and AI-readiness.

72%
of infrastructure spend will be focused on IaaS/PaaS.

Built for the future-focused enterprise, the VMware Cloud Foundation (VCF) delivers a hybrid-cloud platform that integrates compute, storage, networking and management into a unified software-defined data center (SDDC) stack, simplifying operations, accelerating app delivery and ensuring compliance and security at scale.

Unlocking the potential of VCF with HCLTech and AMD

Combining energy-efficient, high-performance compute platforms with deep cloud, AI and systems-integration expertise, our strategic partnership with AMD helps businesses make winning moves amid ever-shifting market dynamics. Through joint development centers and collaborative engineering, this alliance is paving the way for future-ready infrastructure that will enable businesses to reimagine agility and efficiency.

Building on the proven TCO advantages of AMD EPYC™ processors, we architect and deploy VCF environments that can significantly cut down costs, while reducing energy, footprint and licensing overhead. With a consistent operating model for your IT teams and a modern infrastructure platform for developers, our full-stack automation capabilities and deep integration with public cloud providers ensure you hit the ground running, streamlining operations, strengthening security and driving AI-readiness without compromise.

State-of-the-art features that give you a competitive edge

Unified Operations & Consumption Interface

Manage Day 0-Day 2 deployment, patching, monitoring, compliance and user access, from a single pane with centralized IAM/SSO and log analytics, while ramping up productivity by up to 10x with rapid setup and automated upgrades across clusters.

Hybrid VM + Kubernetes & AI Support

Run VMs, containers and AI workloads natively on one platform with vSphere Kubernetes Service, complete with Argo CD, REST/Terraform APIs and blueprint-driven deployment. Drive secure on-prem model development and deployment with Private AI Foundation and NVIDIA integration.

Advanced Core Infrastructure

Leverage NVMe memory tiering to overflow DRAM to NVMe flash for higher utilization. Reduce storage TCO by ~34% using vSAN with global deduplication, while unlocking 3x network throughput gains with NSX enhanced datapath.

Governance & Data Protection

Gain real-time threat visibility, compliance scoring, drift detection and certificate management via the SecOps Dashboard. vDefend adds tenant-aware microsegmentation, global IDS/IPS and VPC-level policies, while support for AMD SEV-SNP, Intel TDX and geo-fencing ensures enclave-level workload protection and data sovereignty.

Transparency & Optimization

Use unified cost insights to combine infrastructure, licensing and data center expenses with consumption-based chargeback/showback. Forecast spend with predictive modeling and automatically reclaim underutilized capacity, driving smarter resource optimization.

Ready-to-use Services

Enable clean-room cyber and disaster recovery with up to 200 immutable VM snapshots. Gain access to microsegmentation, WAF and DBaaS for MySQL/PostgreSQL, along with SQL Server preview via advanced services including vDefend, Avi Load Balancer and Data Services Manager.

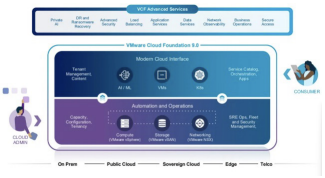
VCF 9.0 Advantage

Deploy, manage and consume VMs, AI workloads and containers seamlessly with a unified platform that combines built-in cost controls with security governance. Advanced features such as NVMe tiering, vSAN enhancements and NSX, are complemented by enterprise-grade add-ons like recovery, DBaaS, load balancing and threat defense.

Result: Real business impact

- VCF Lab located in the UK - Banbury Avenue, Slough, London
- Global access for HCLTech employees
- Available for customer use case testing
- More workloads on fewer servers with 2x more tiles-per-core

VMware Cloud Foundation

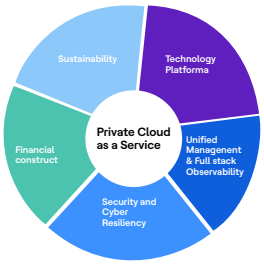


VMware vison is to transform DC to private cloud with VCF

AMD Processors + HPE Servers

AMD vision is to provide optimized performance, cost and power CPU solutions in collaboration with HPE

Framework



HCLTech as Catalyst

A focus on fostering the right talent

9,000+ professionals trained on VMware technologies	2300+ engineers currently certified on VMware technologies	Dedicated VMware academy to build capabilities
400+ VCF certified enterprise architects	Largest PS partner for Broadcom with 350+ dedicated VCF experts	Roadmap to create a pool of 1000+ more VCF trained resources

Time to build the foundation for your future-ready enterprise infrastructure.

For more information, write to us at **ecosystem.marketing@hcltech.com**

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