

VMware Cloud Foundation 9

STEVE MCDOWELL, CHIEF ANALYST
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CONTEXT

Announced at its most recent VMware Discover event in Las Vegas, [VMware Cloud Foundation 9](#) (VCF 9) is a significant evolution in private cloud technology. Designed to simplify operations, enhance security, and drive digital innovation, VCF 9 is a unified platform that merges public cloud environments' agility with private cloud infrastructure's control and security.

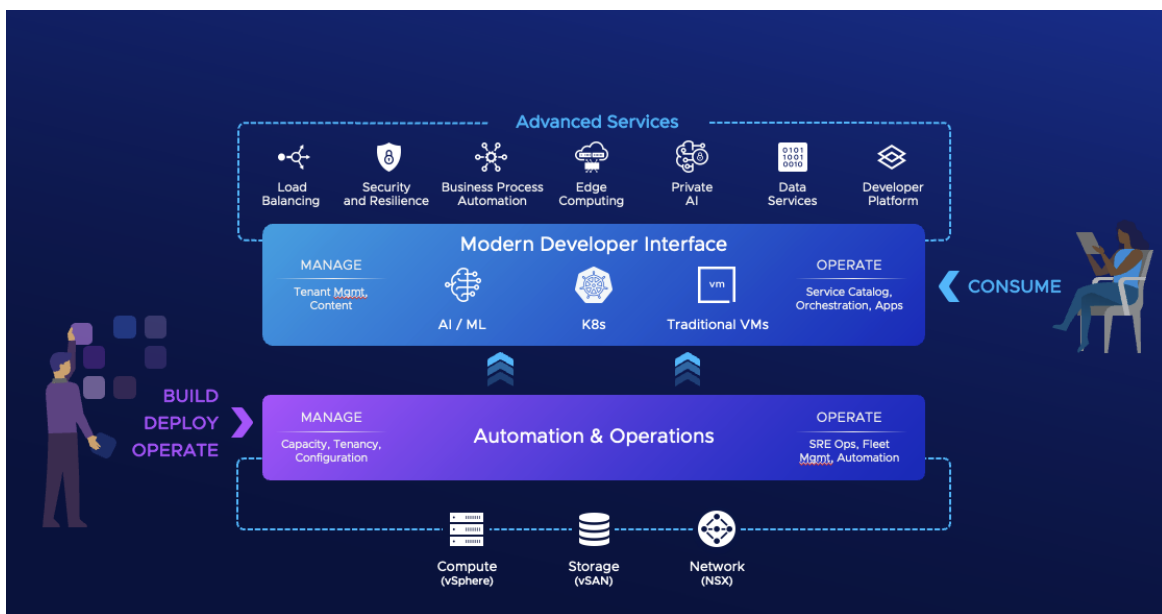


FIGURE 1: (SOURCE: BROADCOM)

INTRODUCING VMWARE'S VCF9

VMware Cloud Foundation 9 (VCF 9) is the latest iteration of VMware's integrated private cloud platform, designed to simplify the deployment, management, and operation of modern IT infrastructure.

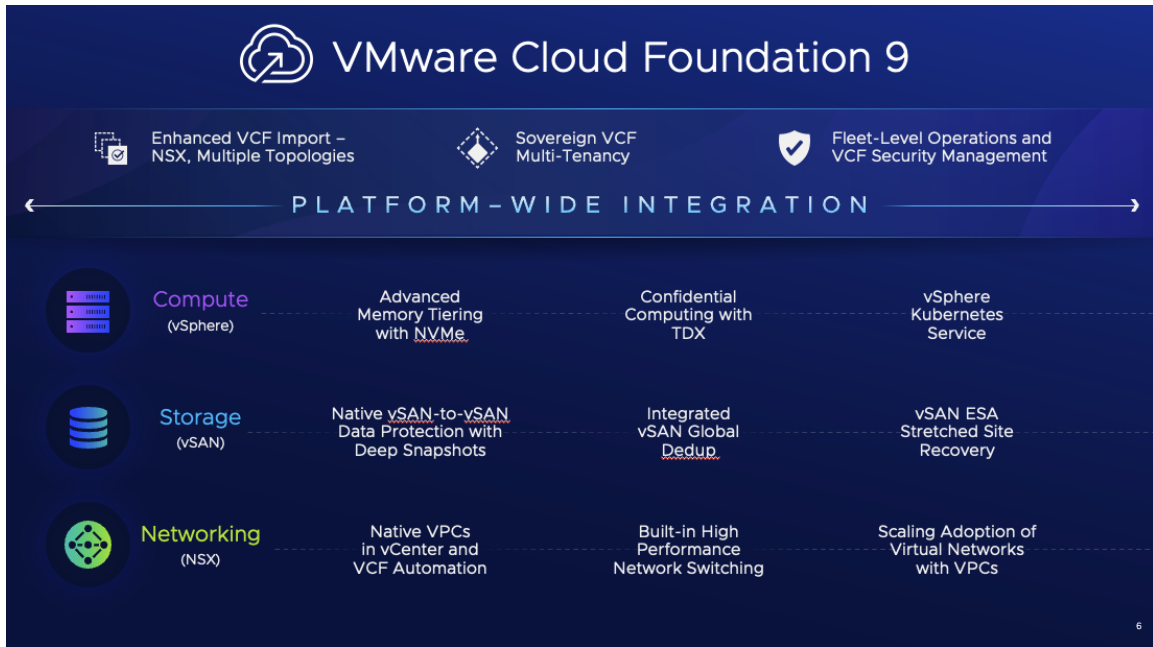


FIGURE 2: (SOURCE: BROADCOM())

It provides a unified system that allows organizations to transition from siloed IT environments to a fully integrated private cloud, combining the agility of public cloud services with the security and control of private cloud infrastructure.

KEY FEATURES OF VCF 9

1. Unified Operations and Automation:

- **Centralized Management Console:** VCF 9 introduces a streamlined, centralized console that provides cloud administrators a unified view of their entire environment. This console simplifies capacity and tenant management, governance policy configuration, and security monitoring.
- **Self-Service Capabilities:** Platform engineers and other infrastructure consumers can easily deploy resources and manage their environments through self-service portals, reducing their dependency on IT teams and speeding up application deployment.

2. Advanced Memory Tiering with NVMe:

- This feature optimizes memory management by using NVMe storage for cold data and keeping hot data in DRAM, improving

server consolidation and efficiency. It enhances the performance of data-intensive applications like AI and real-time analytics.

3. **Enhanced Security:**

- **Confidential Computing with TDX:** VCF 9 includes advanced security features that isolate and encrypt workloads at the hypervisor level, ensuring data integrity and privacy.
- **Integrated Security Tools:** The platform includes tools like deep snapshots for vSAN and comprehensive cybersecurity measures that protect against threats and ensure compliance with security standards.

4. **Multi-Tenancy and Sovereign Cloud Capabilities:**

- VCF 9 supports secure, isolated multi-tenant environments on shared infrastructure, providing flexibility and tailored governance for different business units or organizations within the same enterprise.

5. **Networking and Storage Innovations:**

- **Native VPC Deployment:** Simplifies creating and managing secure, isolated virtual networks, enhancing networking capabilities and reducing setup complexity.
- **vSAN Enhancements:** Includes features like global deduplication, significantly reducing storage costs, and vSAN-to-vSAN data protection with deep snapshots for rapid disaster recovery.

6. **AI and Kubernetes Integration:**

- VCF 9 integrates VMware Private AI Foundation with NVIDIA, making deploying, managing, and scaling AI-driven applications within private cloud environments easier. It also includes enhancements to vSphere Kubernetes Service, supporting a broader range of containerized applications.

ANALYSIS

There's little question that Broadcom's management of its pivot towards its large enterprise customers at the expense of smaller ones has disrupted the market. Once the acquisition of VMware closed, Broadcom moved fast, with limited transparency, and left a trail of disgruntled customers in its wake. That's newsworthy and has dominated the conversation for most of the past year. But while the market responds and evolves to the company's broader strategic moves, the VMware team at Broadcom continues to do what it does best: innovate.

VMware Cloud Foundation 9 is an example of that innovation, a compelling solution that addresses the evolving needs of enterprise private cloud. By delivering a unified, automated, and secure platform, Broadcom empowers businesses to move away from the constraints of siloed IT architectures and embrace the potential of a modern private cloud. As organizations seek greater efficiency, innovation, and security, VCF 9 stands ready to meet these demands, keeping VMware technology front and center in the conversation.

By integrating cutting-edge features across compute, storage, and networking, VCF 9 enhances operational efficiency, security, and the ability to innovate, making it a powerful tool for businesses looking to modernize their IT infrastructure.

VMware's advanced features, particularly in automation, AI integration, and cybersecurity, keep it well-positioned as a formidable player in the cloud market.

This release not only strengthens VMware's market position but also challenges competitors to innovate rapidly to keep pace. As organizations increasingly seek secure, efficient, and scalable cloud solutions, VCF 9 stands out as a compelling option that addresses current and future demands in the private cloud sector.



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