

February 2024

VMware Cloud Foundation and VMware vSphere Foundation: Feature Comparison & Upgrade Paths

As part of the VMware integration into Broadcom, we have taken several core steps to drive more value for the VMware portfolio.

- First, the VMware portfolio has been dramatically simplified to 2 core offerings: VMware Cloud Foundation (VCF) and VMware vSphere Foundation (VVF), plus a set of Advanced, Add-on Services as detailed in this [blog](#).
- Second, the portfolio has shifted completely from perpetual to a subscription model, using compute cores as the fundamental metric for scaling VMware environments.
- Finally, the overall pricing has been reduced up to 50% compared to previous subscription offers, reducing customers' overall TCO when deploying this infrastructure.

Portfolio Simplification

VMware by Broadcom has two primary offerings:

1. **VMware Cloud Foundation (VCF)** – the flagship enterprise-class hybrid cloud solution for customers to run their business-critical and modern applications – in a secure, resilient, and cost-efficient manner.
 - VCF is a full-stack Infrastructure as a Service (IaaS) solution that delivers software-defined compute, storage, networking, security, and management.
 - Integrated self-service infrastructure platform to deploy VMs/containers for developer agility.
 - Hardened platform offering built-in resilience, scaling, and clustering for non-stop operations.
 - Provides cloud agility to scale infrastructure without scaling staff, delivering cloud consumption on-premises.
 - Provides automation and orchestration to simplify Day 0, Day 1, and Day 2 tasks.
 - Available as a single SKU to simplify full stack deployment.
2. **VMware vSphere Foundation (VVF)** - a simplified, enterprise-grade workload platform for our mid-sized to smaller customers.
 - VVF solution integrates vSphere with our intelligent operations management to provide the best performance, availability, and efficiency with greater visibility and insights.
 - vSphere Foundation can be upgraded to a Hyperconverged Infrastructure (HCI) solution with an optional software-defined storage (vSAN) add-on.

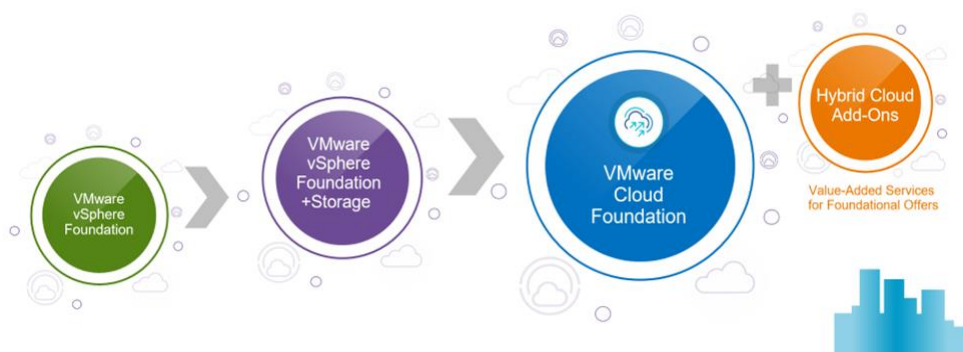


Figure 1: shows VMware by Broadcom simplified portfolio

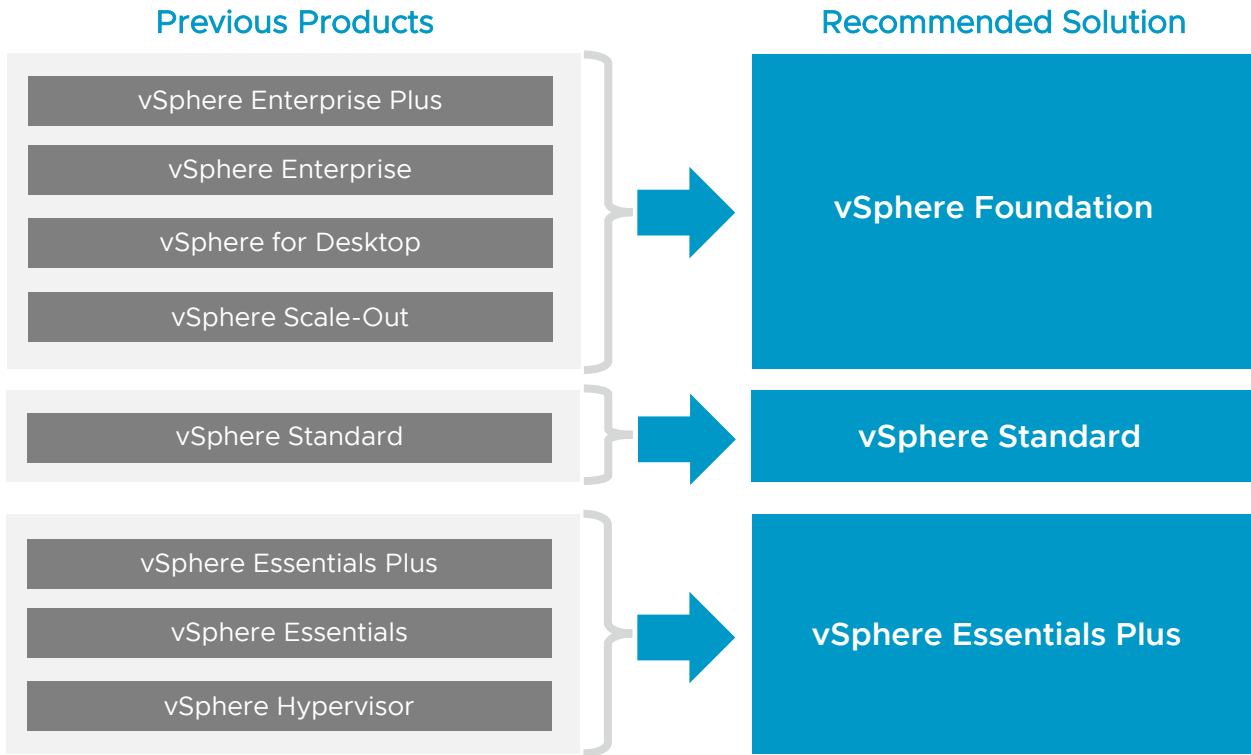
Note: Customers can purchase additional storage capacity with VCF or VVF as a vSAN add-on.

The below table provides a comparison of key features between VMware vSphere Foundation (VVF) and VMware Cloud Foundation (VCF), providing an overview of their respective functionalities.

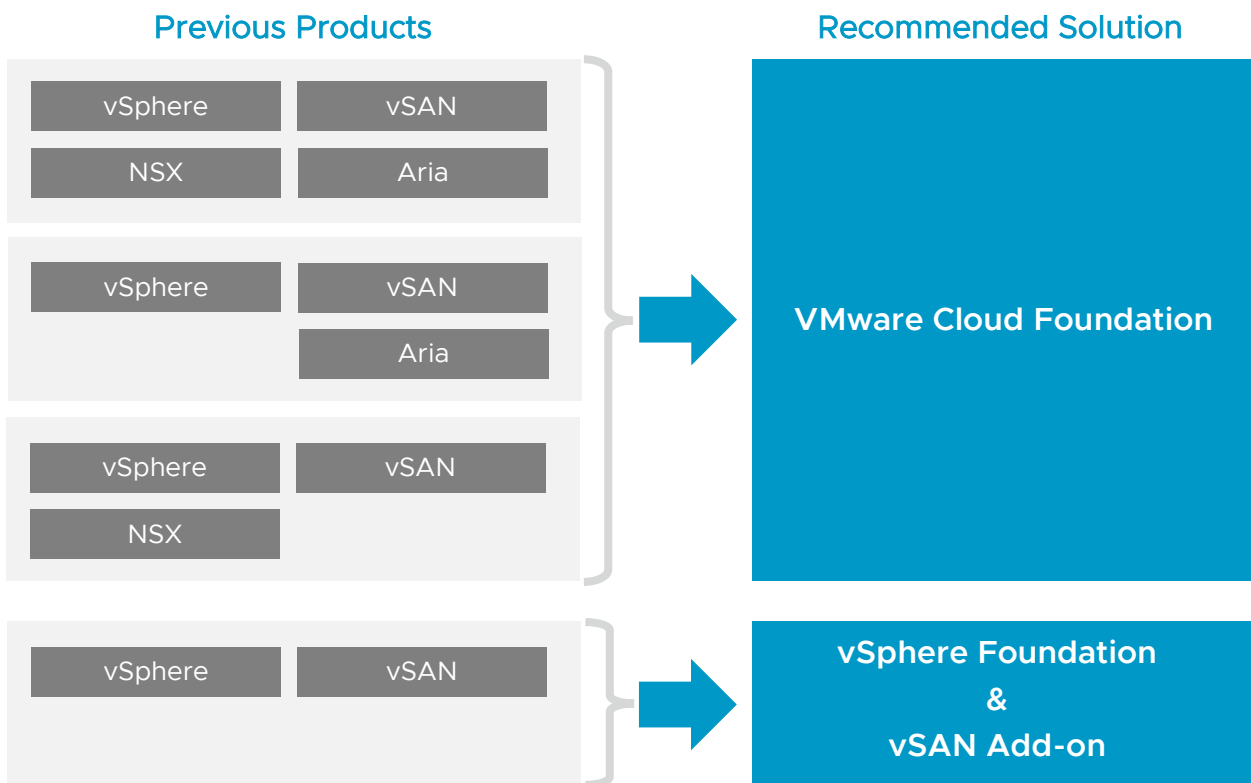
Features	Previous Products	vSphere Foundation	VMware Cloud Foundation
Compute	vSphere		
Distributed Resource Scheduler, Distributed Switch	vSphere Enterprise Plus	•	•
Cross-VC vMotion, Long Distance vMotion, Direct Path vMotion, Storage vMotion	vSphere Enterprise Plus	•	•
High Availability, Fault Tolerance, Data Protection, Trust Authority	vSphere Enterprise Plus	•	•
Kubernetes Runtime, Automated Multicloud Operations	Tanzu Kubernetes Grid	•	•
vCenter: Backup and Restore, Linked Mode, HA	vCenter Server Standard	•	•
Storage	vSAN		
Data-at-rest and Data-In-Transit Encryption	vSAN Enterprise	100 GiB / Core	1TiB / Core
Stretched Cluster with Local Failure Protection	vSAN Enterprise	100 GiB / Core	1TiB / Core
Petabyte Scale, Disaggregated Storage for vSphere	vSAN Enterprise	100 GiB / Core	1TiB / Core
Dedup & Compression	vSAN Enterprise	100 GiB / Core	1TiB / Core
Networking	NSX		
Networking: Distributed Switching and Routing	NSX Enterprise Plus		•
Large Scale Workload Migration	HCX Enterprise		•
Network Ops: Flow Analysis, App Discovery, M-Seg Planning, Network Assurance and Verification	Aria Operations for Networks		•
Management	Aria/vRealize		
Operations: Performance Optimization, Capacity Management, Compliance, Monitoring and Troubleshooting, Log Analytics	Aria Operations	•	•
Automation: Automated Lifecycle Management, App/Infra Provisioning, Governance	Aria Automation		•
VMware and Third-Party Database, Middleware and Application management packs	Aria Operations Enterprise		•
Monitoring and Troubleshooting for Applications with Open-Source Telegraf	Aria Operations Enterprise		•
Out-of-the-box Monitoring and Troubleshooting for Curated Applications with Telegraf agent	Aria Operations Enterprise		•
Native Public Cloud Monitoring	Aria Operations Enterprise		•
TVS management packs	Aria Ops for Integrations	•Excludes DB & apps	•
SDDC Manager: Workload Domain Management, Lifecycle Management, Certificate Management	SDDC Manager		•
Support			
Production Support – Regional Coverage, 24x7 Support		•	•
Select Support – Global Coverage, 24x7 Support, Faster SLAs, SDK/API Guidance			•
Includes Activation and Upgrade Support (Requires full SDDC Stack Deployment)			•

The below graphics show upgrade paths from previous products to new offerings.

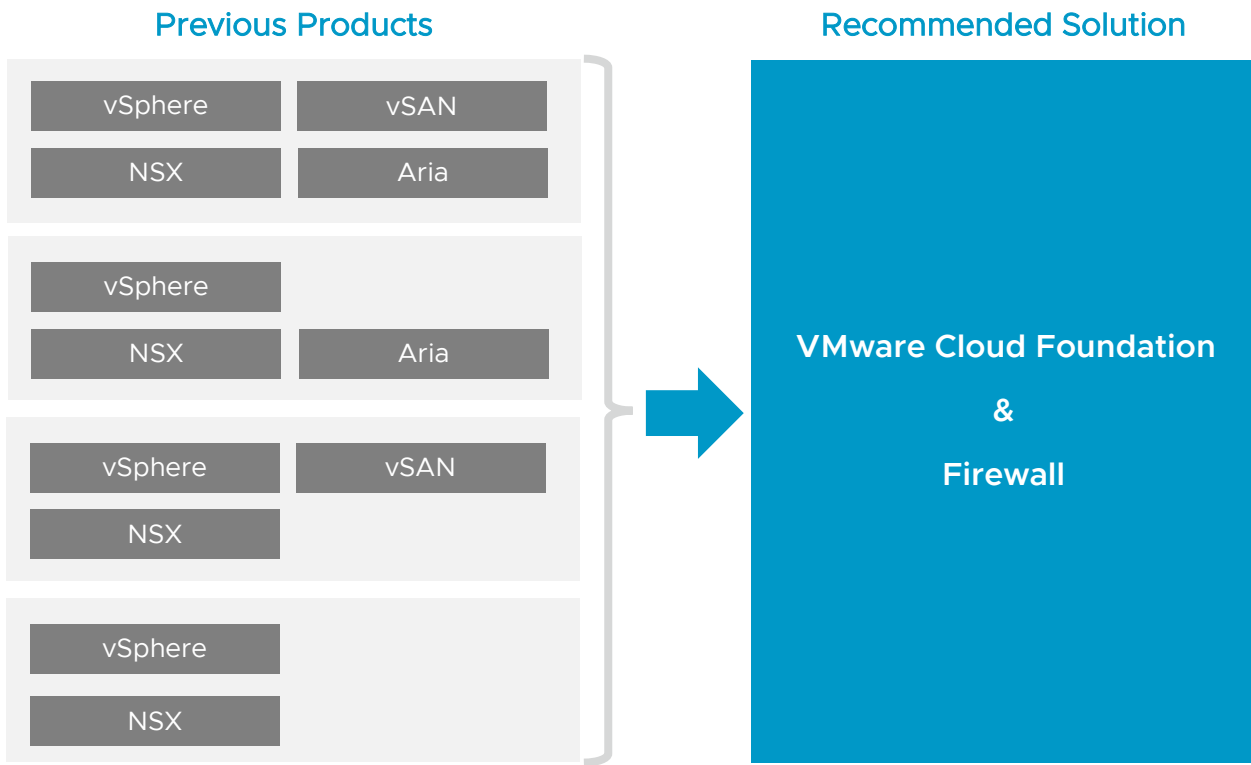
Compute Paths



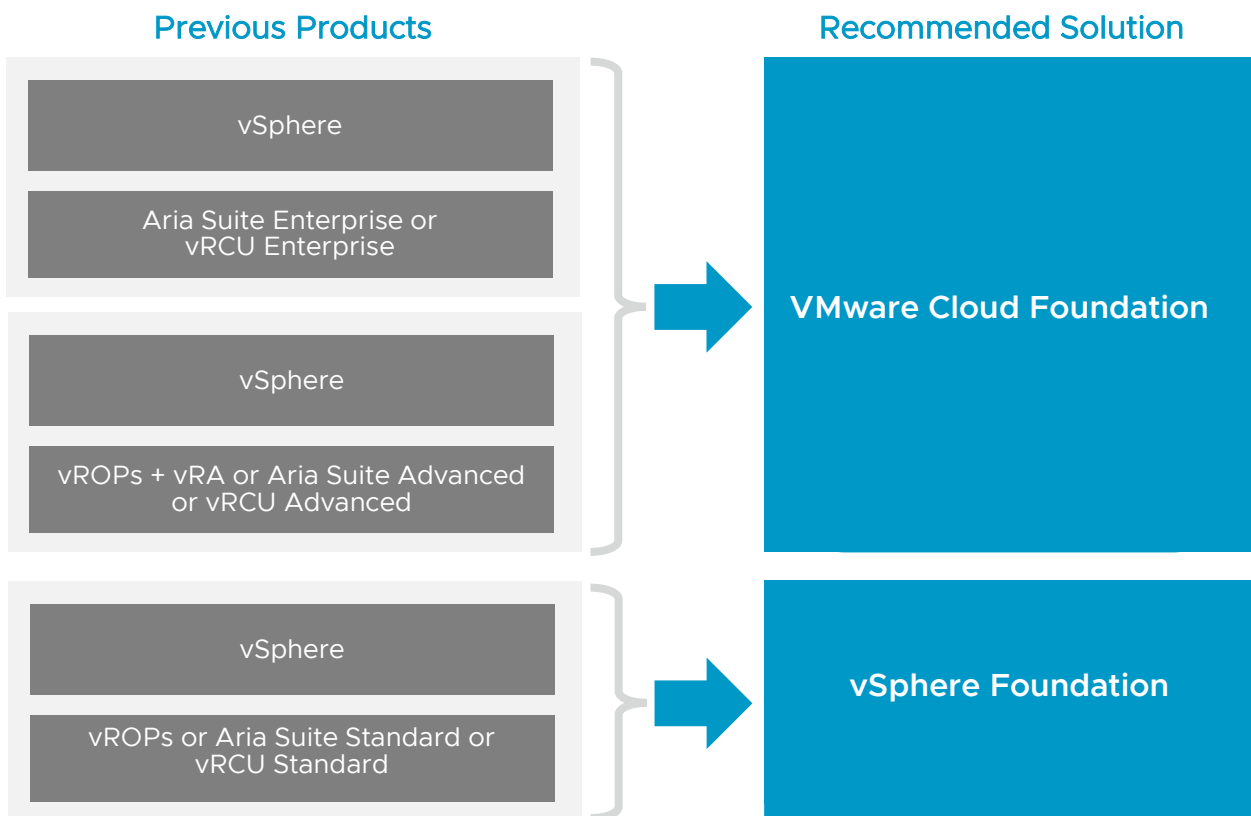
Storage Paths



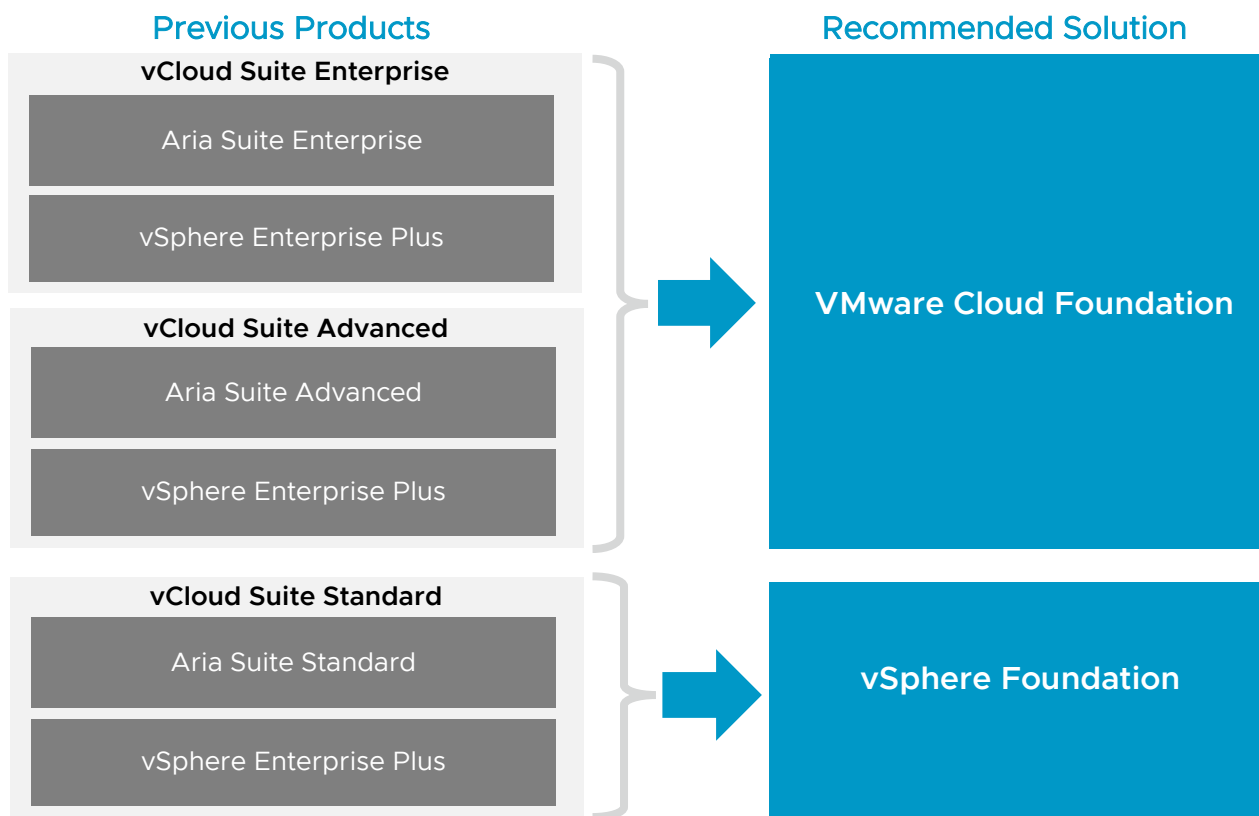
Networking/ Security Paths



Management Path



vCloud Suite Paths



VCF Paths



For additional details, contact your VMware account team and sales representative.



Disclaimer

Although great care has been taken to ensure the accuracy and completeness of this whitepaper, VMware by Broadcom does not accept any legal responsibility for any actions taken based on the information contained herein and VMware makes no representations or warranties of any kind.



Copyright © 2024 Broadcom. All rights reserved.

The term "Broadcom" refers to Broadcom Inc. and/or its subsidiaries. For more information, go to www.broadcom.com. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies. Broadcom reserves the right to make changes without further notice to any products or data herein to improve reliability, function, or design. Information furnished by Broadcom is believed to be accurate and reliable. However, Broadcom does not assume any liability arising out of the application or use of this information, nor the application or use of any product or circuit described herein, neither does it convey any license under its patent rights nor the rights of others.

Item No: vmw-bc-wp-tech-temp-a4-word-2024 1/24