VMware Cloud Foundation Operations

Predictive and Proactive Operations

At a Glance

Designed to simplify and streamline enterprise infrastructure management and operations, VMware Cloud Foundation (VCF) Operations focuses on streamlining operations management, leveraging AI and detailed analytics to empower IT teams with agility and adaptability.

Key Features

- Predictive analytics and AI-driven insights help identify and address potential issues before they impact operations

- Real-time, predictive capacity and cost analytics aides in optimizing resource utilization, minimizing costs associated with hybrid cloud environments.

- Continuous performance optimization and intelligent remediation capabilities, enhancing operational efficiency by automating workload balancing, troubleshooting, and remediation tasks.

- Faster time to value by providing actionable recommendations and automating tasks related to capacity planning, workload placement, and infrastructure optimization.

- Integrated compliance features enable organizations to reduce risks and ensure regulatory standards compliance across their IT infrastructure, mitigating potential security and compliance-related issues.

Overview

Get access to self-driving operations from apps to infrastructure to optimize, plan and scale your private cloud environment. Powered by AI, it helps IT run production operations hands-off and hassle-free with a unified operations platform. It allows you to view all VMware Cloud Foundation (VCF) deployments along with their associated management and workload domains in one place.

Capabilities

Continuous Performance Optimization: Ensure optimal performance across hybrid cloud environments by leveraging real-time predictive analytics and AI-driven insights. By automatically balancing workloads and avoiding contention, continuously optimize hyperconverged infrastructure (HCI), software-defined data center (SDDC) to meet operational and business objectives.

Efficient Capacity and Cost Management: Organizations can reduce costs and improve efficiency through real-time, predictive capacity and cost analytics. By leveraging AI, it accurately forecasts future demand, provides actionable recommendations, and automates resource reclamation and rightsizing, optimizing utilization and minimizing expenses across VMware Cloud Foundation.

Intelligent Remediation: Enable proactive troubleshooting and remediation by correlating metrics, events, logs, and configuration data to detect anomalies across your private cloud. By providing actionable insights, accelerate problem resolution, enhances visibility, and centralizes IT operations management, ensuring smooth and uninterrupted operations.

Integrated Compliance: Organizations can also mitigate risks and ensure regulatory compliance with VCF Operations integrated compliance features. By automating drift remediation and enforcing IT regulatory standards (PCI, HIPAA or custom standards), it reduces the likelihood of security breaches and compliance violations.

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Key Benefits

- Reduce unplanned downtime
- Lower costs
- Increase operational efficiency
- Deliver faster time to value
- Reduce risk
- Is available on-premises as part of VMware vSphere Foundation (VVF) and VCF

Outcomes

Organizations can experience these outcomes:

- 93% unplanned downtime
- 50% reduction in meant time to resolution
- 30% improved operational efficiency
- 50% reduction in software licensing costs
- 20% reduction in hardware costs
- 10% reduction in storage costs

Features

	VMware vSphere Foundation	VMware Cloud Foundation
VCF Operations		
Visualization (OOTB;Custom): Dashboards, Views, Reports, Heat Map, Performance Charts, Super Metrics, Metric Correlation, Relationship Mapping	Yes	Yes
Performance Monitoring and Analytics	Yes	Yes
Compliance Management, including regulatory compliance (DISA, FISMA, ISO, CIS, PCI, HIPAA), custom compliance templates, vSphere hardening, automated drift remediation	Yes	Yes
Real-Time predictive capacity management, including trending (Workload What-If analysis), right-sizing, workload optimization (manual and automated)	Yes	Yes
Troubleshooting with guided remediation	Yes	Yes
VCF Automation Integration	No	Yes
Cost Management and Optimization with Fine-Grained Cost Analytics (Service and Data Center costs, Reclamation, Planning, Public Cloud Cost Comparison)	Yes	Yes
Configuration Management for custom VM profiles	Yes	Yes
VMware Site Recovery Manager™ and vSphere Replication™ Management Packs	Yes	Yes

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Purchase options

For more information, visit *marketplace. cloud.vmware.com*. Available as part of VCF and VVF.

Deployment options

For more information, visit *marketplace. cloud.vmware.com*.

Features

	VMware vSphere Foundation	VMware Cloud Foundation
Service Discovery and Application Dependency Mapping	Yes	Yes
Diagnostics	Yes	Yes
Out-of-the-Box Discovery, Monitoring and Troubleshooting for Packaged Applications	No	Yes
Extensibility via VMW & 3rd-Party Infrastructure Management Packs (SDDC, Compute, Storage, Network, K8s/Container)	Yes	Yes
Extensibility via VMW & 3rd-Party App & Public Cloud Management Packs (e.g., DBs, middleware, app management, public cloud)	No	Yes
Logs Dashboards (OOTB, custom)	Yes	Yes
Logs Interactive analytics	Yes	Yes
Logs vSphere integration (collect from VMware vCenter®, ESXi)	Yes	Yes
Logs for Kubernetes collection querying and analytics	Yes	Yes
Logs Alerting	Yes	Yes
Logs Machine learning/ analytics	Yes	Yes
Logs Active Directory integration	Yes	Yes
Logs Role-based access control	Yes	Yes

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Learn more

For more information or to purchase, Call 877-4-VMWARE (outside North America, +1-650-427-5000), visit *vmware.com/products* or search online for an authorized reseller.

For detailed product specifications and system requirements, refer to the relevant documentation at *marketplace. cloud.vmware.com*.

Features

	VMware vSphere Foundation	VMware Cloud Foundation
Logs Query API	Yes	Yes
Logs Scheduled dashboard reports	Yes	Yes
Logs Partitioning	Yes	Yes
Logs Content Pack support	Yes	Yes

For a detailed list of features, see: *marketplace.cloud.vmware.com*.

Support

We offer a global subscription and support (SnS) services to our customers. For those requiring additional services, we also offer professional services engagements for best practices and getting started with your deployment, both directly and through an extensive network of certified professionals.

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