VMWARE vREALIZE OPERATIONS

Intelligent Operations from Applications to Storage—from vSphere and Hyper-V to Amazon Web Services and Physical Hardware
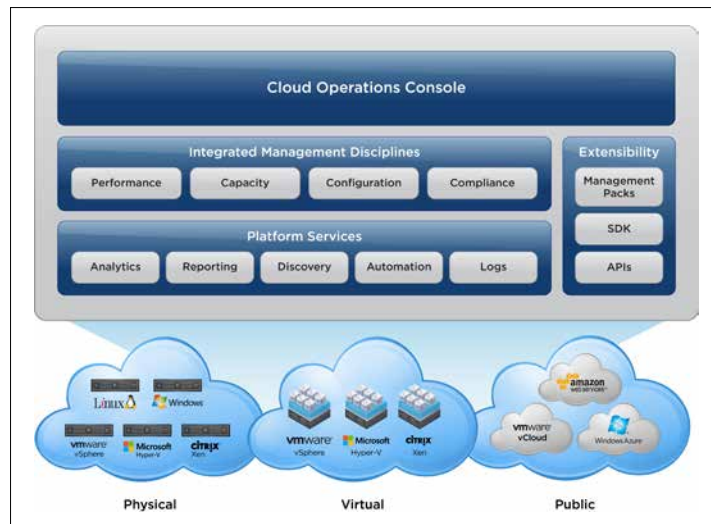
AT A GLANCE

VMware vRealize® Operations™ delivers intelligent operations management across physical, virtual, and cloud infrastructure—from VMware vSphere® and Hyper-V to Amazon Web Services. It correlates data from applications to storage in a unified, easy-to-use management tool that provides control over performance, capacity, and configuration, with predictive analytics driving proactive action, and policy-based automation.

KEY BENEFITS

• Proactive identification and remediation of emerging performance, capacity, and configuration issues

• Comprehensive visibility across applications and infrastructure in a single console

• Automated capacity optimization and planning

• Intelligent workload placement and balancing to resolve resource contention and enable performance

• Enforcement of standards for continuous compliance

• Open and extensible platform that leverages existing investments, with third-party management packs for Microsoft, SAP, and more

LEARN MORE

For more information or to purchase VMware products call 1-877-VMWARE (outside North America, +1-650-427-5000), visit http://www.vmware.com/products, or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the VMware vRealize Operations documentation at www.vmware.com/products/vrealize-operations.

Intelligent Operations for physical, virtual and cloud infrastructures

VMware vRealize Operations Overview

Traditional operations management systems do not meet the requirements of today's virtual and cloud infrastructure. They make IT too reactive because they lack the intelligence to aggregate, correlate, and analyze metrics across applications and infrastructure stacks.

vRealize Operations is built on a scale-out, resilient platform designed to deliver intelligent operational insights to simplify and automate management of applications and infrastructure across virtual, physical and cloud environments—from vSphere to Hyper-V, Amazon Web Services (AWS), and more.

With vRealize Operations, IT organizations of all sizes can improve performance, avoid disruption, and become more efficient with comprehensive visibility across applications and infrastructure in one place.

vRealize Operations delivers:

• **Performance and availability across the software defined data center (SDDC)** – Improve performance, avoid disruption and proactively manage the SDDC with integrated performance and health monitoring from storage to applications with predictive analytics, Smart Alerts and guided remediation

• **Optimize infrastructure utilization** – Become more efficient by optimizing resource utilization including reclamation and right sizing, across cluster workload placement, improved planning and forecasting and enforce IT and configuration standards

• **Unified management across heterogeneous datacenters and multiple public clouds** – Simplify operations with comprehensive visibility in one place across applications, physical infrastructure components and public clouds, supported by an extensible platform utilizing third-party management packs

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vREALIZE OPERATIONS			
Key Features and Capabilities			
Standalone product editions (Licensed per OSI)	Standard	Advanced	Enterprise
Standalone product editions (Licensed per CPU)	Standard	Advanced	
Included in a VMware suite (Licensed per CPU)	VMware vSphere with Operations Management™	VMware vRealize Suite/ vCloud Suite Standard, Advanced and Enterprise	Only Application Monitoring Capabilities of vRealize Operations included in vRealize Suite/vCloud Suite
Operations Platform			
Scale-out platform	●	●	●
Single Sign On	●	●	●
Remote Collector HA	●	●	●
Automation framework (automated remediation)	●	●	●
Built-in high availability (automated failover of platform nodes)		●	●
Visualization			
Operations dashboards, views, and reports	●	●	●
Customizable dashboards and reports		●	●
Persona-based dashboards	●	●	●
Super metrics		●	●
Policy Management			
Flexible operations policies and Operations Groups	●	●	●
Guided remediation	●	●	●
Role-based access control	●	●	●
Performance Monitoring and Analytics			
vSphere health monitoring	●	●	●
Self-learning analytics with Dynamic Thresholds	●	●	●
Smart Alerts	●	●	●
Recommended Actions landing page	●	●	●
Root-cause analysis and recommendations	●	●	●
Monitoring of OS resources (CPU, disk, memory, network)		●	●
Capacity Management			
Capacity metering, trending, right-sizing, and resource optimization	●	●	●
Create Custom datacenter	●	●	●
Custom capacity profile	●	●	●
Capacity models, what-if scenario	●	●	●
Commit to reserve capacity for model-drive analytics	●	●	●
Resource monitoring, planning and optimization (applicable to any object)[1]		●	●
Workload Balancing			
Move Action	●	●	●
Predictive DRS[2]	●	●	●
Rebalance Action[3]	●	●	●
OOTB dashboard for Workload planning and balancing	●	●	●

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Change, Confirguration, and Compliance Management			
vSphere hardening	●	●	●
vSphere change, configuration, and regulatory compliance		●	●
OS-level change, configuration, and patch management			●
OS-level regulatory compliance-management packs (PCI, HIPAA, SOX, etc.)*			●
Application Dependency Mapping (VIN)			
Automated application discovery and relationship visualization		●	●
Naming and versioning		●	●
Application Monitoring[4]			
Application, middleware and database monitoring			●
VMware Management Packs			
VMware vCenter®/ vRealize Log Insight™/ vRealize Automation™/ vRealize Business™/ vRealize Orchestrator™	●	●	●
Management Pack for Storage Devices[5]	●	●	●
Multi-Cloud (vCloud Air, AWS, OpenStack)		●	●
EPIC and Meditech Management Packs[6]			●
3rd Party Management Packs[7]			
Compute/ Servers	●	●	●
Storage, Networking, Converged/Hyper-Converged		●	●
Other Hypervisors		●	●
Manager of Managers (MoM)/Connectors		●	●
Database/Application and Middleware			●

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APIs			
Basic APIs – available to all customers (Out-bound Data/Alert, Extraction, Alert Definition/mgmt, User Mgmt., etc.)	•	•	•
Advanced APIs – available to only ADV/ENT customers (Resource/Data Addition, Report Generation, etc.)		•	•
vRealize Operations Components			
vRealize Operations Manager	•	•	•
vRealize Infrastructure Navigator™ 8		•	•
vRealize Configuration Manager™ 9			

1. Customize through Advanced APIs or available with associated Management Pack

2. Refer Product Documentation for scale limits

3. Requires DRS to be turned on

4. Application monitoring available as add-on to vRealize/vCloud Suite Standard and Advanced and included in vRealize Enterprise. May also require additional purchase of application-specifi management packs

5. Restricted to VMware Virtual SAN (vSAN) only for Standard edition

6. EPIC and Meditech are sold separately

7. Not included in vRealize Operations product packaging and download. May be sold separately

8. vRealize Infrastructure Navigator is not compatible with vSphere 6.5

9. Actual capabilities may vary by edition. Not included in vRealize Suite/vCloud Suite

Third-Party Management Packs - For a complete list of third-party Management Packs and extensions, please visit
https://solutionexchange.vmware.com/store.

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