

# INTELLIGENT OPERATIONS BY VMWARE vREALIZE SUITE

Plan, manage and scale SDDC and multi-cloud environments with intelligent operations, from applications to infrastructure.

## AT A GLANCE

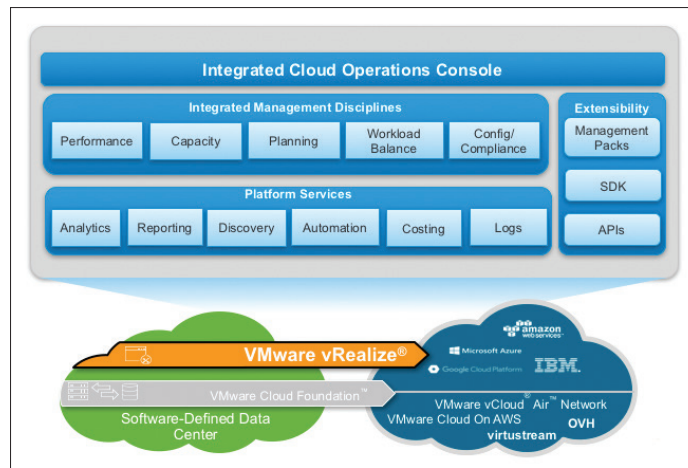
Intelligent operations solution is delivered by VMware vRealize® Suite Standard edition and is comprised of — vRealize Operations™ Advanced Edition, vRealize Log Insight™, and vRealize Business™ for Cloud. It is designed to automate and simplify the performance, troubleshooting, capacity, cost planning and configuration management of applications and infrastructure across physical, virtual and cloud environments.

## KEY BENEFITS

- Centralized and fully automated management for SDDC and multi-cloud environments from applications to infrastructure
- 360 degree troubleshooting with metrics and logs in-context
- Predictive analytics driving proactive detection and automatic remediation of issues and anomalies
- Intelligent workload placement, automated balancing, and predictive DRS to resolve resource contention and enable performance
- Correlation of cost insights with capacity analytics to accelerate planning and procurement, optimize utilization, and increase forecast accuracy
- Cost transparency across multiple private and public clouds to optimize workload placement
- Out of the box hardening and health checks for the SDDC to reduce risks
- Fully open and extensible platform

## 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](http://www.vmware.com/products/vrealize-operations).



Intelligent Operations for physical, virtual and cloud infrastructures

## Intelligent Operations Overview

VMware delivers intelligent operations from applications to infrastructure to plan, manage and scale SDDC and multi-cloud deployments. This highly scalable, extensible and intuitive operations platform improves performance and availability with application-aware monitoring, troubleshooting and unified visibility into infrastructure and application health across SDDC and multiple clouds.

It simplifies operations by automating management of infrastructure and applications with automated workload balancing and proactive detection and automatic remediation of issues and anomalies. It correlates operational and business insights to help accelerate cloud planning and placement decisions across multiple clouds, and reduces costs and risk by optimizing capacity utilization, accurately forecasting capacity needs and enforcing standards.

## vRealize Suite Standard edition delivers:

- **Application-aware monitoring and troubleshooting** - Centralize management of SDDC and multi-cloud environments, accelerate time to value and troubleshoot smarter with native integrations, unified visibility from applications to infrastructure and actionable insights combining metrics and logs.
- **Automated and proactive performance management** - Simplify operations with fully automated management of infrastructure and applications performance. Automatically balance workloads, avoid contention and enable proactive detection and automatic remediation of issues and anomalies before end users are impacted. Streamline key IT processes while retaining full control of IT operations.
- **Cloud Planning, capacity optimization and compliance** - Correlate operational and cost insights to accelerate cloud planning, budgeting and procurement decisions, control costs and reduce risk. Optimize cost and resource usage through capacity management, reclamation and right sizing, improve planning and forecasting and enforce IT and configuration standards.

INTELLIGENT OPERATIONS			
vRealize Operations	Standard	Advanced <sup>1</sup>	Enterprise <sup>1</sup>
Standalone	Operating System Instance (OSI)/ Per Processor (CPU)	Operating System Instance (OSI)/ Per Processor (CPU)	Operating System Instance (OSI)
Available in Suite	VMware vSphere <sup>®</sup> with Operations Management™ (CPU)	VMware vRealize Suite/ vCloud Suite <sup>®</sup> Standard, Advanced (PLU)	VMware vRealize Suite/ vCloud Suite Enterprise (PLU)
Performance Monitoring and Analytics	•	•	•
Predictive DRS and DRS management	•	•	•
Capacity Management including trending, metering, right-sizing and optimization	•	•	•
Capacity Models, what-if scenarios	•	•	•
Scale Out Operations Platform	•	•	•
Manual Workload Balancing	•	•	•
Single sign-on	•	•	•
Remote Collectors	•	•	•
Guided Remediation	•	•	•
Visualization: Out of the box dashboards, views, reports, heat maps, performance charts	•	•	•
Policy Management	•	•	•
Custom data centers	•	•	•
vSphere Hardening	•	•	•
vRealize Log Insight Integration	•	•	•
vRealize Business for Cloud Integration		•	•
Native vSAN monitoring and management <sup>2</sup>		•	•
Automated Actions		•	•
Federation across multiple vRealize Operations instances		•	•
Customizable dashboards and reports		•	•
Manage and configure storage DRS		•	•
Hardening for all SDDC components		•	•
Automated and Schedulable workload balancing		•	•
Built-in high availability (automated failover of platform nodes)		•	•
SDDC Health Dashboard		•	•
Super metrics		•	•
Monitoring of OS resources (CPU, disk, memory, network) <sup>3</sup>		•	•
Multi-cloud Monitoring Management Packs: AWS, vCloud Air, OpenStack		•	•
Advanced APIs: Resource/Data Addition, Report Generation, etc.		•	•
3rd-Party Management Packs: Storage, Networking, Converged/Hyper Converged as well as non-vSphere hypervisors <sup>4</sup>		•	•
Service Discovery & Application Dependency Mapping <sup>5</sup>		•	•
Application, middleware and database Monitoring <sup>6</sup>			•
EPIC and Meditech management packs			•
3rd-Party database, Middleware, application management packs			•

vRealize Log Insight	Limited	Full	Full
Standalone	NA	Operating System Instance (OSI)/ Per Processor (CPU)	Operating System Instance (OSI)/ Per Processor (CPU)
Available in Suite	VMware vCenter Server® Standard	VMware vRealize Suite/ vCloud Suite Standard, Advanced (PLU)	VMware vRealize Suite/ vCloud Suite Enterprise (PLU)
Unstructured Data Analytics	•	•	•
Log Management	•	•	•
Machine Learning / Predictive Analytics	•	•	•
Clustering		•	•
High Availability		•	•
Log forwarding		•	•
Archiving		•	•
Access to Content Packs		•	•
Limitation	25 Log Streams/ OSI	NA	NA
vRealize Business for Cloud		Standard	Advanced
Standalone		NA	Per Operating Systems Instance (OSI)/ Per Processor (CPU)
Available in Suite		VMware vRealize Suite/ vCloud Suite® Standard (PLU)	VMware vRealize Suite/ vCloud Suite® Advanced, Enterprise (PLU)
Private cloud and public cloud cost comparison		•	•
Private cloud metering, costing, pricing and consumption analysis		•	•
Data Center Optimization		•	•
Procurement Planning		•	•
Identifying private cloud reclamation opportunities (Integrated with vRealize Operations™)		•	•
Out-of-the-box hybrid cloud assessment		•	•
Showback			•
Quantifying private cloud reclamation opportunities (Integrated with vRealize Operations)			•
Public cloud costing, consumption analysis, and pricing			•
Automatic service catalog pricing (Integrated with vRealize Automation)			•

1 VMware Configurations Manager is included vRealize Operations Standalone Advanced and Enterprise editions. Actual capabilities vary by edition. Not included in vRealize or vCloud Suites.

VMware Configurations Manager	
vSphere change, configuration, and regulatory compliance	vRealize Operations Advanced
OS-level change, configuration, regulatory compliance (PCI, HIPAA, SOX, etc.)	vRealize Operations Enterprise
Patch Management	vRealize Operations Enterprise

- 2 A subset of native vSAN monitoring capabilities are available in Standard Edition. For details, review the product guide and release notes
- 3 Delivered via End Point Operations capability in vRealize Operations
- 4 Limited set of compute and essential storage management packs are available with vRealize Operations Standard edition. Check <https://marketplace.vmware.com/vsx>
- 5 Application dependency mapping is available via Service Discovery management pack. VMware Infrastructure Navigator is no longer supported
- 6 Application, middleware and database monitoring delivered via End Point Operations is included in vRealize/vCloud Suite enterprise or available as add-on to vRealize/vCloud Suite standard and advanced

