

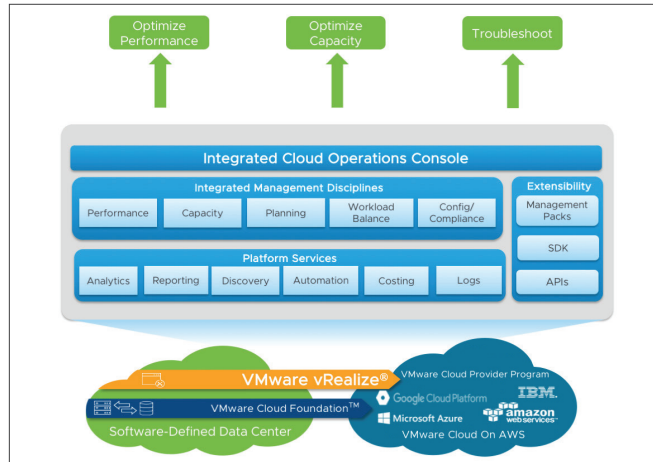
# SELF-DRIVING OPERATIONS FOR CLOUD SERVICE PROVIDERS BY VMWARE vREALIZE OPERATIONS

## AT A GLANCE

Self-driving operations by VMware vRealize® Operations™ helps cloud service providers continuously optimize the performance of their infrastructure, operate more efficiently, and proactively troubleshoot and resolve customer issues. At the same time, VMware vRealize Operations creates opportunities to increase revenue streams with a subscription-based service that enables customers to proactively plan and monitor their own cloud environments, with visibility into the performance, utilization, and health of their infrastructure while enhancing CSP value. With the ability to automate and simplify Cloud operations management, VMware vRealize Operations provides unified visibility from applications to infrastructure across physical, virtual and cloud environments.

## KEY BENEFITS

- Ensures continuous performance optimization, efficient capacity management and planning to drive customer acquisition and retention
- Speeds time to revenue by decreasing time to onboard customers and roll-out new services with faster provisioning of VMs and applications
- Real-time, predictive capacity analytics, integrated with cost analysis, proactively alert on capacity risk, forecast future demand and deliver actionable recommendations before customers are impacted
- Reduces complexity of managing across clouds by eliminating the cost of buying, maintaining and integrating multiple tools
- Simplifies data center management with single pane view into performance, capacity, configuration and management of infrastructure
- Eliminates manual tracking and reporting of VM performance to minimize the time to manage a customer environment
- Automated reporting easily demonstrates how customer sizing needs vary when moving from physical to virtual environment
- Subscription-based service gives customers the data and performance dashboards needed to confidently make decisions about their environment



Self-Driving Operations for physical, virtual and cloud infrastructures

## Self-Driving Operations Overview

VMware delivers self-driving operations from applications to infrastructure to optimize, plan and scale SDDC and cloud deployments. This highly scalable, extensible and intuitive operations platform automates and centralizes operations management, delivering continuous performance optimization based on intent, efficient capacity management, proactive planning and intelligent remediation. Cloud service providers can also leverage VMware vRealize Operations to generate new revenue streams via a subscription-based service that gives customers access to the platform.

## Use Cases:

**Generate new revenue streams** - Offer subscription-based service that extends tiered access to customers and enables management and monitoring of their entire infrastructure. Improve customer satisfaction with actionable data, out of the box reports and alerts for proactive management of workloads across multiple cloud environments. Customers gain comprehensive visibility into performance, capacity and the health of their entire stack.

**Continuous performance optimization** - Automate performance optimization based on operational and business intent with predictive analytics driving actions to automatically balance workloads and proactively avoid contention.

**Efficient capacity management and planning** - Reduce cost and risk with real-time, predictive capacity analytics with integrated cost analytics, delivering optimal densification and proactive planning. Predict future demand, reclaim and right-size workloads, as well as model future capacity needs, hardware purchases or migration to multiple public clouds.

**Intelligent remediation** - Predict, prevent and troubleshoot faster with actionable insights combining metrics and unified visibility from applications to infrastructure. Centralize cloud operations management with native SDDC integrations, federated views and management packs for infrastructure and applications.

| vRealize Operations  |          |                       |                         |
|--|----------|-----------------------|-------------------------|
|  | Standard | Advanced <sup>1</sup> | Enterprise <sup>1</sup> |
| Scale Out Operations Platform  | •        | •                     | •                       |
| Single Sign-on   | •        | •                     | •                       |
| Remote Collectors  | •        | •                     | •                       |
| Visualization: Out of the Box Dashboards, Views, Reports, Heat map, Performance Charts                                     | •        | •                     | •                       |
| Performance Monitoring and Analytics   | •        | •                     | •                       |
| vSphere Security and Compliance  | •        | •                     | •                       |
| vCloud Director Plugin for chargeback  | •        | •                     | •                       |
| Real-time Predictive Capacity Management including trending, metering, right-sizing, optimization                          | •        | •                     | •                       |
| Overall Data Center Cost Views   | •        | •                     | •                       |
| What-if Scenarios for Adding VMs to Private Cloud  | •        | •                     | •                       |
| Business-Intent Based Manual Workload Optimization   | •        | •                     | •                       |
| Predictive DRS   | •        | •                     | •                       |
| Guided Remediation   | •        | •                     | •                       |
| vRealize Log Insight Integration   | •        | •                     | •                       |
| vSAN Overview & Migration Dashboards (EULA)  | •        | •                     | •                       |
| Wavefront Integration  | •        | •                     | •                       |
| Built-in High Availability (Automated Failover of Platform Nodes)  |          | •                     | •                       |
| Customizable Dashboards, Reports and Views   |          | •                     | •                       |
| Super Metrics  |          | •                     | •                       |
| Fine-grained Cost analysis for Reclamation, Planning and Public Cloud Cost Comparison                                      |          | •                     | •                       |
| Additional What-if Scenarios for Hardware Procurement, or planning migration to VMware Cloud on AWS or AWS                 |          | •                     | •                       |
| Business-Intent Based Automated and Schedulable Workload Balancing   |          | •                     | •                       |
| Automated Actions  |          | •                     | •                       |
| vSAN Troubleshooting and Capacity Management   |          | •                     | •                       |
| SDDC Health Management Pack  |          | •                     | •                       |
| vRealize Orchestrator Management Pack  |          | •                     | •                       |
| Monitoring of OS Resources (CPU, disk, memory, network)  |          | •                     | •                       |
| Service Discovery & Application Dependency Mapping <sup>2</sup>  |          | •                     | •                       |
| 3rd-Party Management Packs: Storage, Networking, Converged/Hyper Converged as well as non-vSphere hypervisors <sup>3</sup> |          | •                     | •                       |
| Multi-cloud Monitoring: AWS, VMware Integrated OpenStack and VMware VCPP partner cloud                                     |          | •                     | •                       |
| Care System Analytics Management Pack  |          |                       | •                       |
| Application, Middleware and Database Monitoring  |          |                       | •                       |
| 3rd party Database, Middleware, Application Management Packs   |          |                       | •                       |

<sup>1</sup> VMware Configurations Manager is no longer included with vRealize Operations Standalone ADV and ENT editions. Configuration Manager is available as a separate standalone offering.  
<sup>2</sup> Application dependency mapping is available with Service Discovery management pack. VMware Infrastructure Navigator is not compatible with vSphere 6.5.  
<sup>3</sup> Limited set of compute and essential storage management packs are available with vRealize Operations STD. Check <https://marketplace.vmware.com/vsx/>

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For more information or to purchase VMware products call your VCPP Sales, visit <http://www.vmware.com/products>, or contact your VCPP Aggregator. 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).

