

# VMWARE vREALIZE OPERATIONS FOR POWER

## AT A GLANCE

VMware vRealize® Operations™ for Power delivers a comprehensive data center operations management platform designed to unify management from apps to infrastructure and across private, public, and hybrid clouds. vRealize Operations delivers intent-driven performance, capacity, and cost optimization, as well as proactive planning and intelligent remediation.

## KEY BENEFITS

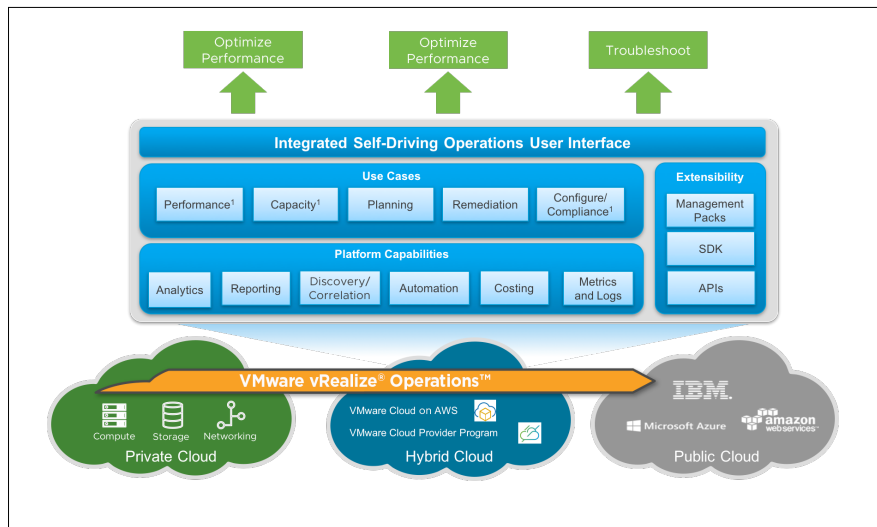
- Centralized management for data center and multi-cloud environments
- Real-time, predictive capacity analytics to proactively alert on capacity risk, forecast future demand, and deliver actionable recommendations
- Integration of costs with capacity analytics to optimize utilization and reduce costs
- Cost transparency across private and public clouds to optimize planning
- 360-degree troubleshooting with metrics and logs
- Fully open and extensible platform

## Self-Driving Operations Overview

VMware vRealize Operations for Power helps IT administrators run production operations across large, complex, heterogeneous, and hybrid environments with an open and extensible platform with scalability and resilience.

Real-time, predictive analytics drive performance<sup>1</sup>, capacity, and cost optimization, helping customers proactively avoid contention and capacity risk, identify potential savings, automate rightsizing and reclamation, and accelerate planning.

This highly scalable and intuitive platform helps predict, prevent, and troubleshoot issues across private and multiple clouds with unified visibility, federated views, and unmatched extensibility with management packs<sup>2</sup>.



Self-Driving Operations for Physical, Virtual, and Cloud Infrastructures

## The Solution Delivers the Following Benefits

**Improved efficiency** – Increase the efficiency of IT staff and the utilization of IT resources, reducing both operational expenditure and capital expenditure.

**Reduced downtime** – Proactively identify and solve emerging performance issues and bottlenecks with predictive analytics, ensuring optimum performance and availability.

**Unified visibility** – Streamline and centralize operations with comprehensive visibility from applications to infrastructure and across private and public clouds in a single platform.

**Business/IT alignment** – Provide transparency into the operations and cost characteristics of IT services to better align IT and business.

<sup>1</sup>Certain features are applicable to vSphere-based clouds only.

<sup>2</sup>Subsequent pages have the entire list of all management packs for Power Systems.

<b>vRealize Operations for Power - Bundles</b>	<b>Small</b>	<b>Medium</b>
<b>vRealize Operations for Power - Editions</b>	<b>Standard</b>	<b>Advanced</b>
<b>Licensing</b>	Per Core	Per Core
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	•	•
Real-Time Predictive Capacity Management Including Trending, Metering, Rightsizing, Optimization	•	•
Overall Data Center Cost Views	•	•
What-If Scenarios for Adding VMs to Private Cloud and VMware Cloud™ on AWS (No Costing in STD)	•	•
Business-Intent Based Manual Workload Optimization <sup>3</sup>	•	•
Predictive DRS and DRS Management <sup>3</sup>	•	•
Guided Remediation	•	•
vRealize Log Insight™ Integration	•	•
vSAN™ Overview and Migration Dashboards <sup>4</sup>	•	•
Business-Intent Based Automated and Schedulable Workload Balancing <sup>3</sup>	•	•
Service Discovery and Application Dependency Mapping	•	•
IBM HMC Management Pack	•	•
IBM PowerVC™ Management Pack	•	•
Third-Party Infrastructure Management Packs: Storage, Networking, Converged/Hyperconverged as well as Non-vSphere Hypervisors	•	•
Multi-Cloud and Container Monitoring Management Packs: AWS, Azure, OpenStack, Kubernetes	•	•
Built-In High Availability (Automated Failover of Platform Nodes)		•
Customizable Dashboards, Reports, and Views		•
Super Metrics		•
Advanced APIs: Resource/Data Addition, Report Generation, etc.		•
Fine-Grained Cost Analytics 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		•
Automated Actions (EULA restricted)		•
vSAN Troubleshooting and Capacity Management <sup>4</sup>		•
Software-Defined Data Center (SDDC) Health Management Pack <sup>4</sup>		•
vRealize Orchestrator™ Management Pack		•
Monitoring of OS Resources (CPU, Disk, Memory, Network)		•

<sup>3</sup>Only applicable in a vSphere environment.

<sup>4</sup>Only applicable if VMware vSAN and other SDDC technologies have been deployed.

<b>vRealize Operations Management Packs for IBM Power Systems from Blue Medora</b>
AIX® Agent
SUSE Linux Agent
Red Hat Enterprise Linux Agent
Dell EMC VNX Management Pack
Dell EMC XtremIO Management Pack
Dell EMC VMAX Management Pack
NetApp Management Pack
NetApp E-Series Management Pack
Pure Storage FlashArray Management Pack
HPE Nimble Storage Management Pack
Cisco Networking Management Pack
Lenovo Network Management Pack
Citrix NetScaler Management Pack
F5 BIG-IP Management Pack
Nutanix Management Pack
KVM Management Pack
Pivotal Cloud Foundry Management Pack
Xen Hypervisor Management Pack
HPE 3PAR StoreServ Management Pack
SAP HANA Management Pack
Oracle Database Management Pack
IBM DB2® Management Pack
IBM SVC Management Pack

SELF-DRIVING OPERATIONS	
vRealize Operations Glossary of Common Terms	
Visualization: Health Map, Performance Charts, etc.	Numerous out-of-the-box dashboards are driven by widget visualizations and workflows that allow for the fastest troubleshooting and firefighting possible.
Policy Management	Allows you to manage the parts of your environment based on your business needs. Different settings/configs can be used for your production, staging, test, environment (e.g., clusters).
Performance Monitoring and Analytics	Out-of-the-box alerts and intelligent analytics
Capacity Management	Visualize CPU, memory, and disk utilization with real-time predictive analytics to project time remaining and capacity remaining. Get a view of current total cost of ownership and cost savings opportunities with built-in cost analytics. Take actions to reclaim unused capacity such as idle VMs, snapshots and powered-off VMs. Rightsize VMs up or down to assure performance or save costs. Build what-if planning scenarios to model adding new VMs, purchasing hardware, or migrating workloads to public cloud such as AWS or VMware Cloud on AWS.
Built-In High Availability (Automated Failover of Platform Nodes)	High availability creates a replica for the vRealize Operations Manager™ master node and protects the analytics cluster against the loss of a node.
Customizable Dashboards, Reports, and Views	To view the status of all objects in vRealize Operations Manager, create a dashboard by adding widgets. You can create and modify dashboards and configure them to meet your environment needs. With the vRealize Operations Manager reporting functions, you can generate a report to capture details related to current or predicted resource needs. You can download the report in a PDF or CSV file format for future and offline needs.
Third-Party Management Packs: Storage, Networking, Converged/Hyperconverged, Non-vSphere Hypervisors	You can extend the monitoring capabilities of vRealize Operations Manager by installing optional solutions from VMware or third parties. VMware solutions include adapters for Storage Devices, Log Insight, NSX® for vSphere, Network Devices, and vRealize Configuration Manager™. Third-party solutions include AWS, SCOM, EMC Smarts, and many others. To download software and documentation for optional solutions, visit the VMware Solution Exchange at <a href="https://marketplace.vmware.com/vsx/">https://marketplace.vmware.com/vsx/</a> .
Multi-Cloud Monitoring Packs: AWS, VMware Integrated OpenStack, VMware Cloud Provider™ Program Partners	See above
Super Metrics	The super metric is a mathematical formula that contains one or more metrics. It is a custom metric that you design to help track combinations of metrics, either from a single object or from multiple objects. If a single metric does not inform you about the behavior of your environment, you can define a super metric.
Monitoring of OS Resources (CPU, Disk, Memory, Network)	You configure Endpoint Operations Management to gather operating system metrics and to monitor availability of remote platforms and applications. This solution is installed with vRealize Operations Manager.

**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).

