

Simplify and Automate Virtualization and Cloud Management

OVERVIEW

VMware vCenter™ Operations Management Suite™ simplifies and automates IT operations for virtual and cloud environments, increases agility and reduces costs. Using patented analytics and an integrated approach to performance, capacity and configuration management, it provides the intelligence and visibility to proactively deliver on SLAs, operational efficiency and compliance in a virtual environment.

KEY FEATURES

- Comprehensive visibility
- Intelligent automation
- Proactive management

KEY RESULTS

vCenter Operations Management Suite simplifies, automates and optimizes IT operations management. It helps you:

- Double the IT cost savings of VMware vSphere®
- Reduce application downtime by up to 36%
- Improve VMware capacity utilization by up to 40% and consolidation ratios by up to 37%
- Reduce diagnostics and problem resolution time by up to 26%

No matter what product or service you provide, IT is critical to the success of your business. With limited resources, the burden of meeting market and business pressures can be heavy. You must balance revenue growth and cost-containment decisions with IT requirements that will help you respond more quickly to changing conditions and stay one step ahead of competitors.

You have already begun to reduce IT costs and complexity with an investment in virtual infrastructure, but adding automation and simplifying the management of your virtual and physical infrastructure can deliver even greater cost savings, service levels and compliance benefits to your business. You can replace time-consuming, error-prone manual IT tasks—such as performance and capacity optimization and policy and configuration management—with intelligent automation, freeing IT staff to focus on more strategic projects. You can be more proactive and even prevent IT service issues before they occur, increasing your service quality and efficiency. And with comprehensive and integrated management, you can deliver IT self-service capabilities that improve IT agility and end-user satisfaction.

Why Invest in Virtualization Management?

Virtualization has the potential to reduce capital expenditures by up to 70 percent and lower operational expenditures by up to 30 percent. Yet, industry statistics report that average processor utilization across all IT workloads, across all industries, is between 5 percent and 10 percent. This is just one example of the large gap between the potential benefits of virtualization and the realized gains.

Your business can close this gap and achieve concrete improvements by using a comprehensive, integrated and proactive solution for managing your virtual environment. An intelligent management solution helps you do more with limited resources, increase IT effectiveness and efficiency, and maximize your ROI while overcoming these key challenges:

- **Ensuring Quality of Service:** IT organizations need to deliver the quality of service that their internal stakeholders demand. These issues include the ability to quickly reduce mean time to resolution (MTTR), to gain better visibility across the infrastructure and applications, to be proactive, and to quickly resolve business-impacting issues are all fundamental elements that organizations are looking for, relating to quality of service.
- **Reducing Capital and Operating Costs:** Organizations also want to continue the gains that they saw in the early days of virtualization and cloud computing, in terms of reducing capital expenditures and operating expenses. This means optimizing both the compute resources in the environment, as well as the personnel resources required to support that environment.
- **Adhering to IT Policies and Standards:** Many organizations are struggling with the ability to address configuration compliance issues for their IT environments, particularly as it relates to virtualization. In many organizations, this was a challenge before, but with the new virtual environment and the lack of tool sets made to address those virtual environments, the ability to ensure compliance in a virtual and cloud computing environment is a major challenge.

“Management tools designed for physical environments are not easily optimized for virtual workload management.”

- The Taneja Group,
An Overview of the Cloud
Market Vendor Landscape,
August 2011
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New Approach to IT Management

Increasing agility and driving innovation require a new IT management approach and tools that are as agile and flexible as virtual and cloud infrastructure. By adopting more effective IT management, IT organizations can monitor and measure the health, compliance and efficiency of their virtual and cloud infrastructure and applications.

Manage Your Virtual and Cloud Infrastructure with VMware

VMware vCenter™ Operations Management Suite™ offers an integrated operations management approach that enables you to confidently support your virtual infrastructure and applications, even when you decide to move to the cloud. Figure 1 shows the three essential components of IT operations management for greater IT control and visibility.

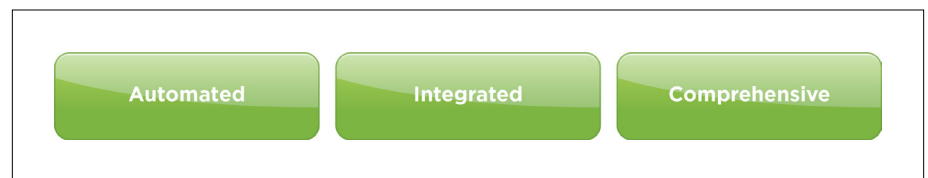


Figure 1. Three Essential Components of IT Operations Management

Automated – Because streamlining repetitive manual IT tasks reduces time and costs, vCenter Operations Management Suite offers patented, self-learning analytics to enable a much higher degree of automation than traditional management tools. vCenter Operations Management Suite doubles the IT cost savings of virtualization, improves capacity utilization by 40 percent and increases consolidation ratios by 37 percent¹. For example, you can automate capacity planning based on historical data collected during peak and nonpeak loads. By optimizing resource allocation, your business can gain higher utilization rates and ROI from virtualization because machines are correctly provisioned, rather than overprovisioned. You can achieve greater performance, availability and efficiency, increasing your business and IT productivity.

Integrated – vCenter Operations Management Suite delivers an integrated view of your IT environment for more effective management of your virtual and physical systems, including servers, virtual machines, applications and storage. You gain powerful visualization and rich analytics across your entire IT environment, which reduces diagnostics and problem resolution times by 26 percent. An integrated approach to performance, capacity and configuration converges management disciplines and unifies teams across infrastructure and operations. For example, information from multiple systems can be aggregated into a centralized view, lowering your operational expenses by increasing the number of systems that a single administrator can manage. It also increases your IT team’s productivity by enabling real-time monitoring and management of your IT environment.

Comprehensive – Built on an open and extensible operations platform, vCenter Operations Management Suite, delivers comprehensive performance, capacity, change, configuration and compliance management, and cost-metering capabilities. Through proactive alerts, you can learn about impending issues and better ensure availability and performance. Powerful analytics and intelligence help you monitor the health of your IT environment, synthesize information to reduce troubleshooting time, and quickly resolve—and often prevent—issues before they affect others, reducing the downtime of applications by 36 percent.

“Through vCenter Operations and through the health status in the vCenter Operations (dashboard) we can see how our end users feel. We can detect some problems before they occur, and that’s the best use case we can ever have.”

– Christian Rudolph,
Infrastructure Architect,
TUI InfoTec

Figure 2 shows how the integrated and comprehensive VMware approach and patented analytics enable IT to ensure service levels in dynamic environments.



Figure 2. Intelligence Through VMware Analytics

vCenter Operations Management Suite Simplifies and Automates IT Operations

With vCenter Operations Management Suite, you can address your complexity, control and IT visibility challenges through automation, unified management and a comprehensive, intelligent and proactive platform. You can gain comprehensive visibility into your dynamic virtual, cloud and physical infrastructure and maximize the benefits and ROI of virtualization.

With vCenter Operations Management Suite, you can:

- **Gain comprehensive visibility** – Powerful visualization of performance, capacity and configuration issues and risks enable visibility across virtual, physical and hybrid cloud infrastructure and applications.
- **Eliminate manual processes with intelligent automation** – Patented analytics provide actionable intelligence across the stack to automate manual processes for maximum efficiency and agility.
- **Proactively manage operations** – An integrated approach to automating operations allows IT to be more proactive and ensure optimal performance in the face of growing service level expectations and an environment of accelerated change.

Packaged to Meet Your Business Needs

VMware vCenter Operations Management Suite addresses your requirements for simplifying IT and shifting resources from maintenance to innovation, which are critical for keeping up with the increasing demands of your business. Tightly integrated and packaged with VMware vSphere®, the industry-leading virtualization platform, vCenter Operations Management Suite enables vSphere customers to gain operational insight for improved availability and performance and capacity optimization.

“The next step in our journey to cloud computing is to streamline and automate the operations of our cloud infrastructure. VMware vCenter Operations Management Suite gives us better visibility into key performance, health and efficiency indicators across the operational and infrastructure environments and allows us to achieve higher service levels of our business-critical applications from a single management console.”

– Matthew Cunningham,
Senior Vice President of IT,
CareCore National

vCenter Operations Management Suite is available in four editions:

EDITION	OVERVIEW
VMware vCenter Operations Manager Foundation™	Gain deep operational insights and visibility to enable the performance and health of your vSphere environment. vCenter Operations Manager Foundation is included with every vSphere edition, free of charge.
vCenter Operations Management Suite Standard™	Anticipate performance bottlenecks, optimize capacity consumption and enable vSphere infrastructure health with patented, self-learning analytics, intuitive operations dashboards and actionable recommendations.
vCenter Operations Management Suite Advanced	Deliver quality of service, operational efficiency and configuration compliance across virtual and physical infrastructure with comprehensive operations management capabilities.
vCenter Operations Management Suite Enterprise	Get OS- and application-level monitoring, as well as change and configuration management capabilities, to help ensure quality of service, operational efficiency and continuous compliance of both infrastructure and business-critical applications in dynamic hybrid cloud environments.

vCenter Operations Management Suite is available with two license models to fit your needs:

- *Per-processor and unlimited virtual machines* – For virtual environments with high consolidation ratios, consider purchasing vCenter Operations Management Suite as part of VMware vSphere with Operations Management™ or VMware vCloud® Suite.

VSPHERE EDITION	VCENTER OPERATIONS MANAGEMENT SUITE EDITION INCLUDED
vSphere with Operations Management Standard	vCenter Operations Management Suite Standard
vSphere with Operations Management Enterprise	
vSphere with Operations Management Enterprise Plus	
vCloud Suite Advanced	vCenter Operations Management Suite Advanced
vCloud Suite Enterprise	vCenter Operations Management Suite Enterprise

- *Per-virtual machine or physical server* – For environments with a mix of virtual and physical servers, vCenter Operations Management Suite is also available a la carte in 25-OS-instance license packs.

Get Started with VMware

With VMware, you can automate and simplify IT management in your business, enabling IT to respond quickly to your changing business needs. You can accelerate the delivery of secure, on-demand self-service applications while lowering operational costs and meeting SLAs.

To learn more, visit <http://www.vmware.com/solutions/company-size/smb/management-security.html> or call 650-427-5000.

¹ “The Benefits of VMware’s vCenter Operations Management Suite: Quantifying the Incremental Value of the vCenter Operations Management Suite for vSphere Customers.” Management Insight Technologies. Sept 2012

