Master Hybrid Cloud Management with VMware vRealize Suite

Increase Business Agility, Efficiency, and Choice While Keeping IT in Control
Empower IT to Innovate

The time is now for IT organizations to take the lead—to drive their businesses forward using disruptive mobile, cloud, social, and big data technologies. Yet the traditional tools and processes that infrastructure and operations teams are using aren’t optimized to deliver on the promise of the software-defined data center and hybrid cloud. Businesses need a cloud management platform that simplifies and accelerates infrastructure and application delivery and ongoing management onsite in their data center and in the cloud.

They need VMware vRealize™ Suite.
Align IT and Business Goals

From development to deployment, vRealize Suite provides all of the cloud management capabilities organizations need to deliver on their most critical IT initiatives. In the following example, an e-commerce company takes steps to extend its premier website to address competitive pressures while facing tight deadlines and significant resource requirements:

1. Speeding New Project
Development and Testing

Where should the development team build the new project? How should the cloud architect optimize resources and deployment? With vRealize Suite, the cloud architect automatically determines if there is available capacity to support new internal production. If the solution identifies a capacity shortfall in the private cloud and the architect recognizes sufficient resources will be unavailable until more hardware is purchased, the team can use vRealize Suite to evaluate public cloud options.

2. Procuring the Right Cloud

Which public cloud should the IT organization choose? vRealize Suite provides cost comparisons to help teams decide what provider to choose. The solution determines the costs associated with different public cloud options (e.g., VMware vCloud® Air™ and Amazon Web Services [AWS]) and how they compare to private cloud costs.

3. Setting Up Self-Service
and Scaling the Application

How should the team deploy services? vRealize Suite includes blueprinting capabilities that enable IT teams to build a service once and deploy it on-premises or in any approved public cloud. IT teams even have the flexibility to select the level of monitoring, configuration, and compliance they want as part of the request, including infrastructure, operating system, and application-level monitoring. Through policy-based controls, IT teams can also enable approved end users to consume the service seamlessly through a self-service catalog.
4. Maximizing Performance
How can the IT team achieve maximum application and infrastructure uptime? After an application is deployed, vRealize Suite provides IT teams with complete visibility into its performance, health, capacity, and log data to help meet service-level agreements (SLAs) and operational efficiency goals. For example, teams can see an interactive view of the topology and health of an Amazon Elastic Compute Cloud (EC2) instance. With predictive analytics and Smart Alerts™, IT teams can now take proactive action to address any growing performance issue before users are affected, gaining time to remediate issues without interrupting services.

5. Showing Value to the Business
How can the IT team demonstrate the value of the services it provides? The capability to measure and allocate costs of consumed resources is one of the core tenets of a hybrid cloud model. Depending on how the enterprise chooses to manage IT service demand, vRealize Suite delivers either full chargeback or basic consumption showback reporting that provides usage and cost detail. This transparency helps consumers understand how much they will pay for the IT resources they consume and plan to consume in the future, ultimately improving efficiency and lowering TCO.

6. Improving On-Going Lifecycle Management
How can IT teams make informed decisions beyond provisioning new services to effectively managing those services throughout the software lifecycle? vRealize Suite delivers shared services across day-one automation and provisioning and day-two operations, providing IT teams with operational and cost visibility. The solution also includes automation capabilities for IT teams to reconfigure an application (to add or remove component machines or change resources), retire virtual machines, and rightsize or reclaim unused capacity.

“VMware’s vision for the vRealize Suite aligns perfectly with our IT mission. By standardizing on VMware’s cloud management platform we can now proactively manage and monitor our on-premises systems to achieve high performance, and have positioned ourselves to adopt a hybrid cloud model over time.”

K. Chris Nakagaki, Sr. Systems Engineer, AutoTrader.com
Transform Your Business with Comprehensive Cloud Management

vRealize Suite is a comprehensive cloud management platform that supports cloud administration, server administration, fabric, and operations teams working with lines of business to ensure agility, application SLAs, and infrastructure efficiency with control. The platform combines automated delivery, intelligent operations, and business insight to deliver a unified cloud management experience across hybrid clouds and heterogeneous environments.

Power of the Platform

A comprehensive cloud management platform with integrated automation, operations and business capabilities delivers insights and visibility that is otherwise not possible with point products, as well as higher levels of efficiency and agility.

The power of the common platform is delivered through analytics, shared information and policies across the entire lifecycle of infrastructure and application services. Specifically, the platform’s improved visibility into infrastructure health optimizes provisioning decisions while tenant-aware monitoring ensures SLAs and accelerates troubleshooting and remediation. Reclamation and resource rightsizing based on shared information across day-one provisioning and day-two operations continuously improve utilization. Capacity planning determined by reservation policies and tenant views enables IT teams to stay ahead of demand and improve forecasting. Data from automation and operations combined with business insight ensure intelligent placement and optimal sourcing decisions.

Siloed Systems to Shared Services

Traditionally clear lines between IT roles are blurring as IT shifts to a broker of services. Simultaneously, a subset of IT and line-of-business users are becoming service consumers. Shared services across day-one provisioning and day-two operations, as well as across compute, network, and storage administration effectively support this new paradigm.
Automated Delivery

With vRealize Suite, IT teams automate the delivery of infrastructure, applications, and custom IT services across private and public clouds, as well as multiple hypervisors and physical servers. Businesses gain agility with self-service and on-demand access to critical IT services. IT maintains control while reducing capital costs through policy-based resource rightsizing and automated reclamation of inactive machines.

Policy-based governance enables IT organizations to deliver personalized IT services designed to meet the specific needs of each user or group of users. Individuals receive the right service for the tasks they need to perform. Purpose-built functionality, broad multivendor support, and built-in operational expertise support rapid private or hybrid cloud deployment. A flexible and extensible architecture makes it easy to customize standard workflows to meet company-specific needs. A library of VMware and vendor provided plug-ins available on VMware Solution Exchange simplifies the process of working with existing infrastructure tools and processes.

“With VMware’s help, Apollo Education Group now offers our institutions of higher education a reliable, scalable cloud environment to support the delivery of massively scaled online learning, reaching a larger community of learners, and helping those learners achieve their career aspirations. We’re capable of dynamically scaling our cloud environment up or down to deliver the learning and student service models vital to working adults, and agile enough to deliver IT resources to our internal customers as needed.”

Michael Sajor, CIO, Apollo Education Group, Inc.
Intelligent Operations

vRealize Suite simplifies and automates the way IT teams manage infrastructure and applications in physical, virtual, and cloud environments. Through integrated performance, capacity, configuration, and log management, businesses achieve a unified view of infrastructure and application health while proactively avoiding issues and enabling optimal resource usage.

vRealize Suite delivers a scale-out and resilient operations management architecture to meet the operational needs of most complex environments. It provides comprehensive visibility from application to storage with out-of-the-box and customizable dashboards and reports. Predictive analytics and Smart Alerts proactively identify problems from multiple symptoms and deliver clear recommendations for remediation actions. Integration of structured KPI-based data and unstructured log data accelerates root-cause analysis. Advanced policy management with user and access controls helps IT teams maintain control while automating datacenter operations. Capacity management capabilities help IT teams easily identify and rightsize over- and under-provisioned virtual machines to maximize resource utilization. Teams can also model scenarios anticipating and optimizing future demand. Built-in compliance management capabilities automate detection, enforcement, and remediation of security hardening guidelines, configuration standards, and regulatory compliance requirements across virtual and physical infrastructure and operating systems.

“In day-to-day operations we’ve actually been able to find problems before they become downtime in our environments, so the tool has saved us money.”

Joey Coco
Senior Virtualization Engineer,
Choice Hotels, Inc.
Business Insight

IT teams rely on vRealize Suite to provide transparency and control over the costs and quality of IT services. As a result, businesses gain greater business-IT alignment around priorities and budgets.

IT business management capabilities enable IT teams to reduce capital and operating expenses as well as improve service-delivery performance. The automated platform provides service-cost and usage metrics. It automatically prices services for inclusion in service catalogs and compares the cost of private cloud services with public cloud alternatives. Dashboards enable IT teams to track and analyze stakeholder demand and usage patterns, then present a bill of IT. The platform’s flexible and extensible architecture supports cost modeling, budgeting, and service planning while enabling IT teams to more effectively manage service-levels and proactively govern contractual commitments.

“EMC implements VMware vRealize Business and IT Benchmarking to expand financial transparency and to deliver a true bill of IT. The path to financial transparency and business insight is a dynamic journey. EMC needed a better solution that adapted with their changing needs, vRealize Business provided a strong IT Business Management solution that helps us make great decisions and deliver superior results.”

Neil Thibodeau, Senior Director for IT Business Management, EMC
Unified Management

Because vRealize Suite includes a common set of tools across on-premises and off-premises clouds, IT teams gain a consistent management experience. Businesses also achieve faster time to value.

The platform supports unified management for VMware vSphere® and other hypervisors, physical infrastructure, and external clouds such as vCloud Air and AWS, as well as those based on OpenStack. Enterprises using vRealize Suite break down operational silos while providing a powerful administrator experience through shared services across automation, operations, and business functions. IT teams can speed time to value by leveraging a wide range of partner solutions—available on the largest cloud solution exchange—that have been optimized to work with vRealize Suite. Simultaneously, the platform’s open interface and orchestration engine provide users with the flexibility to combine and consume services in ways that best fits their needs.

“As we accelerate our international expansion, VMware’s cloud management platform will help us automate operations management of our payment platforms while minimizing development and deployment time. Today, VMware solutions enable us to deliver new applications and services to market faster, more efficiently, with greater control and scalability.”

Jonathan Bowman, CTO, Nx Systems, Ltd.
Trust a Proven Solution to Meet Your Changing Requirements

There is little doubt that cloud computing provides tremendous competitive business advantages yet it also puts enormous pressure on your IT department. vRealize Suite enables your IT teams to quickly, easily, and cost-effectively deliver infrastructure and applications on vSphere and other hypervisors, physical infrastructure, and private and public clouds—all with the control IT teams require.

Trusted by Global 1000 companies around the world, the comprehensive vRealize Suite cloud management stack provides the following robust capabilities:

- **Automated delivery** – Automate the delivery and lifecycle management of infrastructure, applications, and custom IT services through a self-service portal and catalog.

- **Intelligent operations** – Manage infrastructure and applications using predictive analytics and an integrated approach to performance, capacity, log, and configuration management.

- **Business insight** – Align IT spending with business priorities via full transparency and improve decision-making around infrastructure and application service cost and quality, accelerating IT transformation.

- **Unified management** – Use a single platform to provision and manage applications and infrastructure on-premises and in the cloud with a consistent management experience.

- **Open platform** – Extend management to third-party systems and leverage existing investments with open APIs, management packs, orchestration tools, and software development kits.
Discover the Value of vRealize Suite

A single cloud management platform, vRealize Suite empowers your IT teams to be more responsive, more agile, and better strategic partners to your business—all while keeping IT in control. It's one platform that ensures your IT organization focuses more on business outcomes, while maintaining operational excellence and ensuring service quality, security, and compliance.

Because vRealize Suite enables your IT organization to better serve its business partners, the platform is well supported by VMware Professional Services experts who uncover and exploit the unique opportunities made possible by VMware technology. Drawing on unparalleled product expertise and customer experience, VMware service professionals collaborate with organizations to address the technical, people, process, and financial considerations required for IT acceleration. They team with enterprises to deliver results that are positive, tangible, and material to IT and the business.

If your enterprise is looking to quickly deliver and manage infrastructure and applications within IT control, now is the time to consider vRealize Suite and master hybrid cloud management.
