

VMware vCloud Suite

Standard, Advanced and Enterprise Editions

AT A GLANCE

VMware vCloud® Suite™ is a private cloud infrastructure solution based on VMware vSphere®. vCloud Suite allows IT to achieve cloud service provider economics in the data center, provision applications in minutes instead of weeks, and deliver the right availability and security for each application with policy-based governance. vCloud Suite is the first step for IT organizations towards the software-defined data center architecture. VMware also offers additional software-defined data center products that can further extend the capabilities of a vSphere private cloud environment.

KEY BENEFITS

- **Operational efficiency:** vCloud Suite brings together virtualized compute, with analytics-based, simplified operations management to drive greater resource utilization and staff productivity leading to up to 50 percent CapEx and up to 70% percent OpEx savings.
- **Infrastructure agility:** vCloud Suite enables on-demand deployment of IT services in minutes with full control over critical business and IT policies, while automatically matching infrastructure resources to continually changing business demand and workload needs
- **Operational control:** vCloud Suite delivers the highest levels of application uptime, through automated business continuity along with virtualization-aware security and compliance, and enables greater control over the cost of, access to, and placement of IT services.

What Is VMware vCloud Suite?

vCloud Suite provides all components for building and running a private cloud infrastructure, based on VMware vSphere, that leverages the software-defined data center architecture. This architectural approach delivers virtualized infrastructure services (compute, network, security and availability) with built-in intelligence to automate the on-demand provisioning, placement, configuration and control of applications based on defined policies.

vCloud Suite 5.5 is composed of the following integrated products:

- **VMware vSphere®:** Compute virtualization platform with policy-based automation
- **VMware vCenter™ Site Recovery Manager™:** Automated disaster recovery planning, testing, and execution
- **VMware vCloud Networking and Security™:** Networking and security with ecosystem integration for a virtualized compute environment.
- **VMware vCloud® Automation Center™:** Self-service and policy-enabled cloud service provisioning.
- **VMware vCenter™ Operations Management Suite™:** Integrated, proactive performance, capacity, and configuration management for dynamic cloud environments.
- **VMware vCloud Director®:** Virtualized data centers with multi-tenancy and public cloud extensibility

The following additional products further extend the capabilities of vCloud Suite:

- **VMware Virtual SAN™:** software-defined storage platform with breakthrough technology that pools and automates local storage and turns it into shared storage.
- **VMware NSX™:** comprehensive security and network virtualization that is fully decoupled from hardware
- **VMware vCloud® Hybrid Service™:** VMware's public cloud service, based on the software-defined data center architecture, that helps customers create hybrid clouds
- **VMware vCenter™ Log Insight™:** Scale-out log aggregation and analytics for virtual environments
- **VMware IT Business Management™:** IT financial management and cost benchmarking for applications and services delivered in cloud environments

How Is vCloud Suite Used?

VCLLOUD SUITE ADDRESSES THE FOLLOWING CUSTOMER PAIN AREAS	BY DELIVERING THE FOLLOWING TRANSFORMATIONAL BENEFITS:
<p>Operational Inefficiency: Most of today's data centers are very complex with multiple silos, high equipment costs, and manual, resource-intensive management tools and processes. This leads to escalating CapEx and OpEx, making it difficult to manage IT service costs and budget in support of business needs.</p>	<p>Operational Efficiency: Cloud Provider Economics through Policy-Driven Operations vCloud Suite brings together virtualized compute, with analytics-based, simplified operations management to drive greater resource utilization and staff productivity leading to up to 50 percent CapEx and up to 70 percent OpEx savings.</p>
<p>Infrastructure Inflexibility: IT organizations lack an automated way to keep pace with changing business needs and the demand for more resources. It often takes months or weeks to provision or scale a workload or application, and many organizations lack end-user self-service for common requirements. This leads to end-user frustration and the rise of "Shadow IT" with business units circumventing IT to provision apps and services.</p>	<p>Infrastructure Agility: Applications in Minutes via Automated Provisioning vCloud Suite enables on-demand deployment of IT services in minutes with full control over critical business and IT policies, while automatically matching infrastructure resources to continually changing business demand and workload needs. This leads to higher customer satisfaction and reducing risk of "Shadow IT."</p>
<p>Infrastructure Downtime: Today's dynamic, virtualized environments add to the complexity of managing availability, security and performance. This can result in poor system and application health, or even critical system downtime with long mean-time-to-resolution (MTTR) and negative impacts on business productivity.</p>	<p>Operational Control: Optimum Control, Availability and Security for Every Application vCloud Suite delivers the highest levels of application uptime, through automated business continuity along with virtualization-aware security and compliance, and enables greater control over the cost of, access to, and placement of IT services.</p>

How to Buy

VMware vCloud Suite gives organizations access to a private cloud solution, based on vSphere, with a single purchase. vCloud Suite is available in three editions.

vCloud Suite Standard: Foundational solution for private cloud to increase business agility and reduce CapEx costs, with the following benefits:

- Rapid, self-service infrastructure provisioning
- Visibility into virtual machine health and capacity usage
- Scalable networking and virtualization-aware security
- Extensible to public clouds

vCloud Suite Advanced: Solution for governed, enterprise private cloud, with the following benefits:

- Visibility into costs, application dependencies and hypervisor change and configuration management
- Increased extensibility of cloud management and automation components

vCloud Suite Enterprise: Comprehensive solution for resilient, compliant and secure private cloud for all applications, with the following benefits:

- Protect business-critical applications with disaster recovery automation
- Visibility into application performance
- Regulatory compliance and OS-level change and configuration management
- Automated configuration and deployment of multi-tier cloud applications

Support

VMware offers global subscription and support (SnS) services to all VMware customers. For customers requiring additional services, VMware also offers professional services engagements on best practices and getting started with your deployment, both directly and through an extensive network of certified professionals.

<http://www.vmware.com/services/>

Find Out More

For information or to purchase VMware products, call 1-877-VMWARE (outside North America, dial +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 product documentation.

CLOUD INFRASTRUCTURE & MANAGEMENT		vCLOUD SUITE STANDARD	vCLOUD SUITE ADVANCED	vCLOUD SUITE ENTERPRISE
Cloud Management	vCloud Automation Center	<i>vCloud Automation Center Standard</i>	<i>vCloud Automation Center Advanced</i>	<i>vCloud Automation Center Enterprise</i>
	• Application and data services – application provisioning, changes and data	•	•	•
	• Governance – approvals, reclamation, cost profile and transparency	•	•	•
	• Extensibility – infrastructure integrations, workflows and customizations	•	•	•
	• Infrastructure provisioning and management	•	•	•
	Operations Management	<i>vCenter Operations Management Standard</i>	<i>vCenter Operations Management Advanced</i>	<i>vCenter Operations Management Enterprise</i>
	• Application Monitoring – OS, middleware, databases			•
	• OS-level change, configuration and regulatory compliance management			•
	• Extensibility – adapters for third-party OS and application monitoring tools			•
	• Extensibility – adapters for third-party Infrastructure monitoring tools		•	•
	• vSphere hardening, change and configuration management		•	•
	• Application Awareness – aisccovery dependency mapping		•	•
	• Chargeback – cost metering and reporting		•	•
	• Operations Dashboard – health monitoring and performance analytics	•	•	•
• Capacity Management – planning and optimization	•	•	•	
Cloud Infrastructure	Disaster Recovery Automation • Automated disaster recovery planning, testing, and execution			<i>SRM Enterprise</i> •
	Networking and Security • Scalable networking and virtualization-aware security	<i>vCloud Networking & Security</i> •	<i>vCloud Networking & Security</i> •	<i>vCloud Networking & Security</i> •
	Virtualized Data Centers • Virtualized data centers and public cloud extensibility	<i>vCloud Director, vCloud Connector</i> •	<i>vCloud Director, vCloud Connector</i> •	<i>vCloud Director, vCloud Connector</i> •
	vSphere Enterprise Plus • Virtualized infrastructure with policy-based automation	<i>vSphere Enterprise Plus</i> •	<i>vSphere Enterprise Plus</i> •	<i>vSphere Enterprise Plus</i> •

