

# VMware vCloud Suite Standard, Advanced, Enterprise

Manage your private cloud efficiently with VMware vCloud Suite; the control you need to leverage the entire agility of your IT environment.



### At a glance

VMware vCloud Suite® helps enterprises get to market faster by virtualizing and optimizing infrastructure, automating service delivery, and providing high availability for both traditional and new applications types, such as Big Data. This means a business running vCloud Suite responds quicker to customer demands, spends more time on innovation, and is ready for the next generation of applications.

### Key benefits

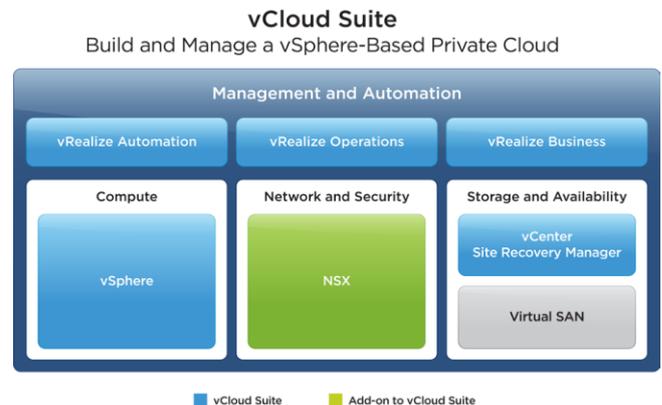
**Efficiency:** Standardize and consolidate data centers with intelligent and policy-based IT operations to significantly reduce CapEx by up to 49 percent<sup>1</sup> and OpEx by up to 56 percent<sup>2</sup>.

**Agility:** vCloud Suite enables IT to rapidly provision infrastructure, applications, and complete IT services, which shortens the time-to-market of new IT services from weeks to minutes. The result is increased productivity that enables both IT and the business to focus on innovation and high value-add activities.

**Control:** vCloud Suite provides high availability for planned migrations and business continuity/disaster recovery through application, server, cluster and data center failures that reduces downtime of all applications. Policy-based governance and compliance monitoring ensure that business rules are enforced and applications have the right level of security. Service costing and usage metering of virtualized private cloud infrastructure help IT and line of business owners make important cost-benefit decisions. The result is up to 30 percent more uptime for tier 1 applications<sup>3</sup> and up to 50 percent savings of disaster recovery management costs<sup>4</sup>.

### VMware vCloud Suite is a vSphere private cloud

VMware vCloud Suite enables IT to build and manage a vSphere based private cloud resulting in strategic IT outcomes. It does this by assembling an integrated set of products, engineered to work better together, which provide: (1) infrastructure virtualization, (2) disaster recovery and testing automation, and (3) cloud management for on-premises vSphere environments.



Note: Cloud management platform components of vCloud Suite, including vRealize Automation, Operations, and Business, are specifically designed for use with vSphere environments. vCloud Suite can be extended to hybrid cloud with vRealize Suite.

VMware vCloud Suite contains these integrated products:

### Infrastructure Platform

**VMware vSphere®:** Industry leading server virtualization platform.  
**Disaster Recovery Automation with VMware vCenter™ Site Recovery Manager™:** Policy-based disaster recovery and testing for all virtualized applications.

### Cloud Management Platform

**VMware vRealize™ Operations™:** Intelligent performance, capacity, and configuration management for vSphere environments.  
**VMware vRealize Automation™:** Self-service and policy-based infrastructure and application provisioning for vSphere environments.  
**VMware vRealize Business™:** Automated costing, usage metering, and service pricing of virtualized infrastructure for vSphere environments.

Free to use with vCloud Suite with optional production-level support available for purchase:

**VMware Integrated OpenStack:** Integration to OpenStack APIs that enable developers to connect to VMware's best-of breed components (vSphere, VMware NSX™) for deploying, managing, and running OpenStack Infrastructure.

VCLLOUD SUITE ADDRESSES THE FOLLOWING CUSTOMER PAIN AREAS	BY DELIVERING THE FOLLOWING TRANSFORMATIONAL BENEFITS AND CAPABILITIES
<p><b>Operational Inefficiency:</b> Current data centers are complex, contain too many silos, have high equipment costs, and require manual and resource-intensive management that induces high CapEx and OpEx. IT directors and managers find it difficult to reconcile IT service costs and budget in support of business needs.</p>	<p><b>Efficiency: Virtualization economics and increased productivity:</b> vCloud Suite can standardize and consolidate data centers with intelligent and policy-based IT operations. vCloud Suite improves efficiency through:</p> <p><b>Server Virtualization for both Scale-Up and Scale-Out applications:</b> Improvement in scale and configuration maximum for vSphere make it possible to virtualize and run SAP HANA and Hadoop/Big Data Workloads with significant performance gains; Instant Clone deploys new nodes faster than previously possible.</p> <p><b>Capacity management and optimization:</b> Proactive analysis and smart alerts identify idle and overprovisioned VMs to right-size VMs and optimize density so that IT gets more out of their infrastructure investments.</p> <p><b>Performance and health monitoring, Quality-of-Service management:</b> Predict and respond to infrastructure and application issues before they impact service quality to maximize infrastructure utilization and ensure applications meet their SLA and OLA targets.</p> <p><b>Centralized monitoring and management of infrastructure and applications:</b> Customizable dashboards and 3rd party adaptors provide flexibility to manage unique IT environments at the infrastr., OS, and application levels.</p> <p><b>Superior Desktop Virtualization:</b> NVIDIA GRID Virtual Graphics Processing Unit (vGPU) enables superior 2D/3D graphics and performance for virtual desktops; vSphere's Instant Clone clones and deploys thousands of virtual desktops in minutes without overwhelming storage with I/O intensive operations</p>
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<p><b>Infrastructure Inflexibility</b> Higher expectations from the business that demands any application on any device. Business owners circumvent central IT when they can't get one from central IT, increased "Shadow IT." Business owners want a quick and painless method for acquiring IT services from central IT. It takes months or weeks to provision or scale infrastructure and applications.</p>	<p><b>Agility: Infrastructure, applications, and services at business speed:</b> vCloud Suite enables IT to rapidly provision infrastructure and applications, which shortens the time-to-value of new IT services from weeks to minutes. The result is increased productivity that enables both IT and the business to focus on innovation and high value-add activities. vCloud Suite improves agility through:</p> <p><b>Rapid infrastructure and application delivery for vSphere private clouds:</b> Provision complete infrastructure including compute, networking, security, storage, and applications across multiple hardware platforms.</p> <p><b>Self-service portal and catalog:</b> An on-demand "IT storefront" enabling authorized users to self-provision infrastructure, platform, and desktop services improving the time-to-value of business solutions.</p> <p><b>Centralized Content Library:</b> vSphere's Content Library stores and manages VM templates, vApps, ISO images, and scripts from a central location making it easier and faster to deploy content to a host or cluster; a single administrator can now manage content for many users, providing efficient virtual machine lifecycle management; Clone and migrate VMs across hosts for simplified data center management.</p>
<p><b>Downtime and Security Weaknesses</b> High complexity related to managing availability, security and performance leads to poor system and application health and frequent critical system downtime. After downtime, there is long mean time to resolution (MTTR) that directly impacts business productivity. Growing number of next-generation applications and devices that must be supported increase security and privacy concerns.</p>	<p><b>Control: Business-aware control for unique IT environments:</b> vCloud Suite provides high availability and business continuity/disaster recovery through application, server, cluster and data center failures that reduces downtime of all applications. Policy-based governance and compliance monitoring ensure that business rules are enforced and applications have the right level of security. The vCloud Suite gives control to IT with:</p> <p><b>Protection for all applications with policy-based disaster recovery management:</b> Reliably migrate VMs and automate site availability workflows for testing, failover, planned migration and failback through centrally managed recovery plans that are simple to keep up to date.</p> <p><b>Policy-based provisioning and governance:</b> Role-based allocation of IT resources governed by costs, capacity, and business rules with support for approval and lifecycle management workflows.</p> <p><b>Rules-based configuration and monitoring of compliance:</b> Protect every virtualized workload with custom security and compliance policies that follow workloads across data centers.</p> <p><b>Proactive analysis and smart alerts:</b> Operational analytics provide rapid discovery and root-cause analysis of IT issues for substantial reductions in downtime, MTTI, and MTTR.</p> <p><b>Business Insight:</b> Automated infrastructure costing and metering report users' consumption of virtualized infrastructure and associated costs; integrated pricing with self-service provisioning portal make infrastructure costs transparent to users before consumption.</p> <p><b>Availability for Planned Live Migration:</b> Long-distance vMotion enables migration across geographically dispersed data centers with up to 100ms round trip time.</p> <p><b>Availability for Unplanned Downtime for Mission-Critical Applications</b> Multi-processor fault tolerance eliminates downtime for workloads with up to 4-vCPU, including POS, healthcare, manufacturing, and financial services applications, which means less unplanned downtime and revenue lost</p>

### How vCloud Suite is provided

VMware vCloud Suite simplifies deployment and adoption of the SDDC architecture and its components with a single purchase.

vCloud Suite is designed for vSphere environments and comes in three editions: Standard, Advanced, and Enterprise.

**vCloud Suite Standard** is built on the vSphere Enterprise Plus virtualization platform and adds intelligent IT operations and rapid infrastructure provisioning to provide Infrastructure-as-a-Service at lower CapEx and OpEx.

**vCloud Suite Advanced** builds on Standard's agile and secure Infrastructure-as-a-Service offering and adds cost infrastructure service costing and compliant IT that make it easy to track and show expenses and to meet security and compliance requirements.

**vCloud Suite Enterprise** is a comprehensive offering for resilient, secure, and compliant private clouds that delivers policy-based workload automation, reduces downtime, and accelerates a business solution's time-to-market.

### PRIMERGY

Following PRIMERGY Servers are released for VMware software:  
VMware Systems Compatibility HCL: <http://vmware.com/go/hcl>

### Fujitsu Manageability with ServerView Suite

ServerView is able to manage PRIMERGY servers by means of the CIM provider that Fujitsu has integrated for VMware vSphere

- Management of the physical machine under the host operating system ESXi
- ServerView RAID for configuration and management of the RAID controllers in the physical machine
- Management of the virtual machines under the guest operating systems Windows and Linux
- Remote access via onboard Integrated Remote Management Controller (IRMC), Remote Management Controller (RMC), Baseboard Management Controller (BMC), or Remote Service Board (RSB)
- Even enables access to the hardware for diagnostic purposes in the event of a failure.

### Support

#### Mandatory Support and Subscription (SNS)

SNS (Support and Subscription) is mandatory for at least 1 year for all VMware software products. Fujitsu offers its own support for VMware OEM software products. This support is available for different retention periods and different support levels. The Fujitsu support levels are: Platinum Support (7x24h) or Gold Support (5x9h). Both service levels can be ordered either for 1, 3 or 5 year support terms. Please choose the appropriate Support for your project.

Your support agreement is with Fujitsu and VMware exclusively through Fujitsu (not with VMware directly). SNS is only for Fujitsu servers like PRIMERGY and PRIMEQUEST. Of course, SNS for VMware (OEM) software products can be renewed at Fujitsu prior to the end of the SNS term. SNS for VMware (OEM) software products cannot be renewed at VMware directly.

#### Support Terms and Conditions

Fujitsu Terms and Conditions can be found under:

[FUJITSU ServiceContract Software](#)  
[FUJITSU Support Pack Software](#)  
[Technical Appendix VMware Software](#)

#### Fujitsu Professional Service

Installation, configuration or optimization services for VMware software are optional service offerings. Additionally operations services from Fujitsu are available. Any additional and optional service can be requested from Fujitsu Professional Services.

#### Product Activation Code Registration

Please register your activation code at  
<http://www.vmware.com/code/fsc>.

Registration will generate the license key. Help can be found at:

<http://www.vmware.com/support/licensing.html>.

If you have any problems, you can send an email to  
[vi-hotline@vmware.com](mailto:vi-hotline@vmware.com).

#### Warranty

Class: C

#### Conditions

This software product is supplied to the customer under the VMware conditions as set forth in the EULA of the VMware software at  
<http://www.vmware.com/download/eula/>.

# More information

## Fujitsu offerings

In addition to VMware software, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

To learn more about VMware vSphere please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website. [www.fujitsu.com/fts](http://www.fujitsu.com/fts)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.

Please find further information at <http://www.fujitsu.com/global/about/environment>



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For further information see

<http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>

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