FUJITSU

VMware vSphere 6 (Essentials Kits)
Essentials, Essentials Plus

The entry packages to run your applications virtualized with confidence on your virtualization platform VMware vSphere.

vmware®

At a Glance

VMware vSphere® Essentials Kit and Essentials Plus Kit deliver the industry-leading virtualization platform at an affordable price for IT environments that run 20 or fewer server workloads. With vSphere Essentials Plus Kit, a small business can leverage a comprehensive and cost-effective virtualization solution to protect its business, reduce its IT footprint, and save on IT costs.
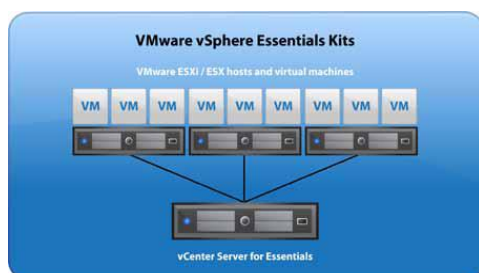
Key Benefits

- Provide business continuity and always available IT
- Reduce IT footprint and simplify management
- Save on IT hardware costs
- Improve service levels and application quality
- Strengthen security and data protection

What is VMware vSphere?

VMware vSphere empowers users to virtualize scale-up and scale-out applications with confidence, redefines availability, and simplifies the virtual data center. The result is a highly available, resilient, on-demand infrastructure that is the ideal foundation of any cloud environment. This dramatically reduces data center cost, increases system and application uptime, and drastically simplifies the way you operate your data center. vSphere is purpose-built for the next generation of applications and serves as the core foundational building block for a software-defined data center. vSphere simplifies IT by separating applications and operating systems (OSs) from the underlying hardware. Your existing applications see dedicated resources, but your servers can be managed as a pool of resources. The result is that your business runs on a simplified yet resilient IT environment.

What are vSphere Essentials Kit and Essentials Plus Kit?

vSphere Essentials Kit and Essentials Plus Kit are designed for small installations that are getting started with virtualization. Both provide virtualization and centralized management for up to three PRIMERGY two socket servers. vSphere Essentials provides server consolidation to help you get the most out of your hardware.

vSphere Essentials Plus provides business continuity with a smaller IT footprint. Small installations can ensure business continuity by using features such as vSphere High Availability (automatic restart of applications when server failures are detected) and vSphere vMotion® (elimination of planned downtime during server maintenance). Protect your business applications and data with features such as VMware vSphere Data Protection™ (agent-less, image-level VM backup/ recovery and application-aware protection for business critical applications) and VMware vShield Endpoint™ (agentless antivirus and antimalware protection for virtual machines). vSphere Replication™ adds low-cost replication for your virtual machines and provides a foundation for small installations to leverage a cloud-based disaster-recovery solutions. The result is an always-available IT environment that is more cost-effective, resilient and responsive to changing business needs. As small installations grow and their needs increase, they can easily upgrade to vSphere with Operations Management Acceleration Kits for more-advanced capabilities.

Topics

How are vSphere Essentials and Essentials Plus used?

Maximize application availability and protect information assets – Achieve always-available IT with live migration for virtual machines and high availability for applications in virtual-machine clusters. Protect your data with the reliability of vSphere and integrated backup, recovery and failover features.

Consolidate and optimize IT investments – Achieve consolidation ratios of 10:1 or higher and improve hardware utilization from 5–15 percent to 80 percent or more without sacrificing application performance.

Simplify management and enhance productivity – Provision new applications in minutes instead of days or weeks, monitor virtual-machine performance and automate patch and update management.

Streamline software development – Safely test complex multitier configurations in a secure, isolated sandbox environment while enabling test and development teams to share server, network and storage infrastructure.

Key Features and Components

VMware vSphere Essentials and Essentials Plus include the following key features and components:

VMware vSphere Hypervisor Architecture provides a robust, production-proven, high-performance virtualization layer that enables multiple virtual machines to share hardware resources with performance that can match or exceed native throughput.

VMware vCenter Server for Essentials provides centralized management and performance monitoring for all virtual machines and vSphere hosts with built-in physical-to-virtual (P2V) machine conversion and rapid provisioning, using virtual-machine templates.

VMware vSphere VMFS enables virtual machines to access shared storage devices (Fibre Channel, iSCSI, etc.) and is a key enabling technology for other components such as VMware vSphere Storage vMotion®.

VMware vSphere Thin Provisioning provides dynamic allocation of shared storage capacity, enabling IT organizations to implement a tiered storage strategy while reducing storage spending by up to 50 percent.

VMware vSphere vStorage APIs provide integration with supported third-party data protection.

VMware vCenter Update Manager™ automates tracking, patching and updating for vSphere hosts and for applications and OSs running in VMware virtual machines.

VMware vCenter Converter™ enables IT administrators to rapidly convert physical servers and third-party virtual machines to VMware virtual machines.

VMware vCenter Operations Manager Foundation enables you to leverage comprehensive views into health, risk and efficiency scores of your vSphere environment infrastructure. Quickly drill down to see what's causing current workload conditions, pinpoint potential problems in the future and identify areas with inefficient use of resources.

VMware vSphere Content Library provides simple and effective centralized management for VM templates, virtual appliances, ISO images, and scripts.

Hardware compatibility is possible with the broadest range of 32- and 64-bit servers and OSs, storage and networking equipment and enterprise management tools.

VMware vSphere Essentials Plus includes the following business-continuity features and components for always available IT:

vSphere High Availability provides cost-effective, automated restart within minutes for all applications in the event of hardware or OS failures.

vSphere vMotion enables live migration of virtual machines across servers with no disruption to users or service loss, eliminating the need to schedule application downtime for server maintenance.

VMware vSphere Data Protection™ is VMware's backup and replication solution. It delivers storage-efficient backups through patented variable-length deduplication, rapid recovery and WAN-optimized replication for DR. Its vSphere-integration and simple user interface makes it an easy and effective backup tool for vSphere. It provides agent-less, image-level VM backups to disk and application-aware protection for business-critical applications (e.g., Exchange, SQL Server) along with WAN-efficient, encrypted backup replication across sites.

vShield Endpoint provides agentless antivirus and antimalware protection to secure your virtual machines.

vSphere Replication provides low-cost replication for your virtual machine and serves as the foundation for leveraging a cloud-based disaster-recovery solution.

When to use what?

	ESSENTIALS	ESSENTIALS PLUS
Server-virtualization	•	•
Continuity for planned and unplanned downtime vSphere vMotion and High Availability		•
Data Protection vSphere Data Protection, vShield Endpoint and vSphere Replication		•

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.

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/.

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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/

Software

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

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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