

# VMware vSphere

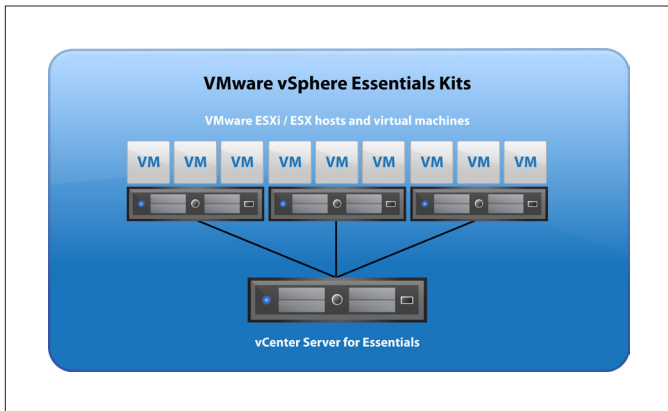
## Essentials and Essentials Plus Kits

### AT A GLANCE

Designed especially for IT environments with fewer than 20 physical servers, the VMware vSphere™ Essentials and Essentials Plus kits deliver enterprise-class capabilities in a cost-effective package for small organizations that want to optimize and protect their IT assets with minimal upfront investment.

### KEY BENEFITS

- Reduce IT hardware and operating costs.
- Simplify management and boost IT staff productivity.
- Ensure business continuity and achieve always-on IT.
- Improve service levels and application quality.
- Strengthen security and data protection.



VMware vSphere Essentials kits are all-inclusive packages that enable you to virtualize and consolidate many application workloads onto three physical servers running vSphere and centrally manage them with VMware vCenter™ Server for Essentials.

## What Are VMware vSphere Essentials and Essentials Plus?

VMware vSphere Essentials and Essentials Plus are integrated virtualization kits designed to meet the needs of small and growing organizations. By adopting VMware vSphere Essentials or Essentials Plus, customers can use server, network and storage resources dynamically and more effectively, as a single pool or “private cloud” to protect business-critical applications and data. The result is an always-on IT environment that is more cost-effective, resilient and responsive to changing business needs.

## How Are vSphere Essentials and Essentials Plus Used?

- **Eliminate downtime and protect data**—Achieve always-on IT with live migration for virtual machines and high availability for applications in virtual machine clusters.
- **Consolidate and optimize IT investments**—Achieve consolidation ratios of 10:1 or higher, and improve hardware utilization from 5 percent to 15 percent to as much as 80 percent or more, without sacrificing application performance.
- **Maximize application availability and protect information assets**—Ensure always-on continuity of IT operations with the rock-solid reliability of vSphere and integrated backup, recovery and failover features.
- **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 allowing 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 ESXi™ and VMware ESX® hypervisor architectures** provide a robust, production-proven, high-performance virtualization layer that allows multiple virtual machines to share hardware resources with record-breaking performance that can match and in some cases 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 Virtual SMP** enables the use of ultra-powerful virtual machines that possess up to four virtual CPUs.
- **VMware vStorage Virtual Machine File System (VMFS)** allows virtual machines to access shared storage devices (FibreChanel, iSCSI, etc.), and is a key enabling technology for other vSphere components such as Storage vMotion.
- **VMware vStorage Thin Provisioning** provides dynamic allocation of shared storage capacity, allowing IT organizations to implement a tiered storage strategy while reducing storage spending by up to 50 percent.
- **VMware vStorage APIs** provide integration with supported third-party data protection.
- **VMware vCenter Update Manager** automates tracking, patching and updating for vSphere hosts as well as applications and operating systems running in VMware virtual machines.
- **VMware vCenter Converter** allows IT administrators to rapidly convert physical servers and third-party virtual machines into VMware virtual machines.
- **VMware VMsafe™ APIs** enable the use of security products that work in conjunction with the virtualization layer to provide higher levels of security to virtual machines than even physical servers.
- **Hardware compatibility** is possible with the broadest range of 32- and 64-bit servers and operating systems, storage and networking equipment, and enterprise management tools.

In addition, VMware Essentials Plus includes the following business continuity features and components for always-on IT:

- **VMware vMotion™** eliminates the need to schedule application downtime due to scheduled server maintenance through live migration of virtual machines across servers, with no disruption to users or loss of service.
- **VMware High Availability** provides cost-effective, automated restart within minutes for all applications in the event of hardware or operating system failures.
- **VMware Data Recovery** provides simple, cost-effective, agentless backup and recovery for virtual machines, in smaller environments.

## How to Buy

VMware vSphere Essentials is available in two primary kits: Essentials and Essentials Plus. The vSphere Essentials kit provides everything that customers need to get started quickly with enterprise-class virtualization, while the vSphere Essentials Plus kit adds business continuity capabilities for always-on IT.



VMware vSphere Essentials kits compared

## Learn More

For information or to purchase VMware products, call 877-4-VMWARE (outside of North America dial 650-427-5000), visit [www.vmware.com/products](http://www.vmware.com/products), or search online for an authorized reseller. For detailed specifications and systems requirements, refer to the VMware vSphere documentation.

