VMware vSphere and vSphere with Operations Management
Next-Gen Infrastructure for Your Next-Gen Apps
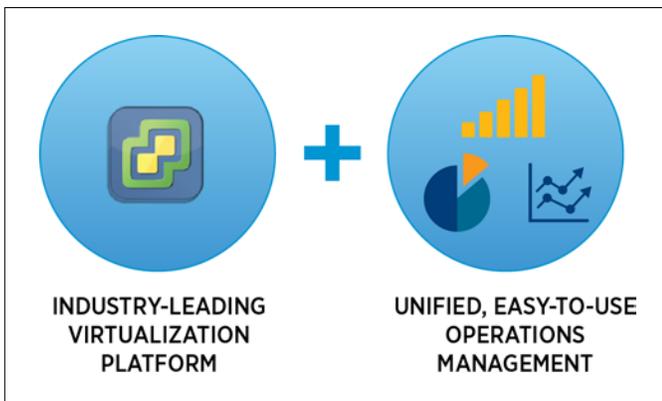
VMware vSphere®, the industry-leading virtualization platform, fuels digital transformation by delivering a simplified customer experience, comprehensive built-in security, and a universal app platform. vSphere provides a highly available, resilient, on-demand infrastructure that is the ideal foundation of any cloud environment.

VMware vSphere® with Operations Management™ can help achieve your unique business needs by delivering virtualization with intelligent operations management, purpose-built to get the best performance, availability and efficiency from your infrastructure and applications from day one.

KEY BENEFITS

- Run any app, on any cloud
- Streamlined administration
- Operationally simple, policy-driven security
- Intelligent operations management and automation
- 53% reduction in cost of IT infrastructure management
- 54% decrease in downtime of tier-one applications
- 2.4X return on investment, within a year
- 30% improvement in visibility, availability, capacity utilization, and user satisfaction with IT

The industry-leading and most trusted virtualization platform with intelligent operations.

About vSphere and vSphere with Operations Management

VMware vSphere, the industry leading virtualization platform, provides a powerful, flexible, and secure foundation for business agility that accelerates the digital transformation to cloud computing and success in the digital economy. vSphere supports both existing and next-gen apps through its (1) simplified customer experience for automation and management at scale; (2) comprehensive built-in security for protecting data, infrastructure, and access; and (3) universal app platform for running any app, anywhere. With vSphere, customers can now run, manage, connect, and secure their applications in a common operating environment, across clouds and devices.

VMware vSphere with Operations Management is designed to help you achieve your unique business needs by providing better insights and better IT. It helps you improve your performance and avoid disruption, with intelligent operations from apps to storage providing simplified availability and comprehensive visibility in one place. And it helps free up time so you can focus on more strategic tasks by safely automating workload placement and resource optimization on your terms, with increased control based on pre-set customizable templates.

What's New in Version 6.5?

- **Scale Enhancements** – New configuration maximums to support even the largest app environments
- **VMware vCenter Server® Appliance** – The single control center and core building block for vSphere
- **vCenter Server® High Availability** – Native vCenter Server high availability solution
- **vCenter Server Backup and Restore** – Native vCenter Server Backup and Restore
- **vCenter Server Appliance Tool** – Single step migration and upgrade of existing vCenter Server to vCenter Server Appliance
- **REST APIs** – Simple, modern developer-friendly APIs
- **vSphere Client** – HTML5-based GUI that ensures fast performance and cross-platform compatibility
- **Security-at-Scale** – Policy-driven security that makes securing infrastructure operationally simple
- **Encryption** – VM-level encryption protects unauthorized data access both at-rest and in-motion
- **Audit-quality logging** – Enhanced logging that provides forensic information about user actions

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- **Secure Boot** – Protection for both the hypervisor and guest operating system by ensuring images have not been tampered with and preventing loading of unauthorized components
- **vSphere Integrated Containers™** – Virtual infrastructure platform for containers
- **Proactive HA** – High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs
- **Cross-Cloud vMotion®** – Live migrate workloads between VMware based clouds
- **Virtual Volumes™ Replication** – Native array virtual volumes replication

EDITIONS	VSPHERE STANDARD	VSPHERE ENTERPRISE PLUS	VSPHERE WITH OPERATIONS MANAGEMENT ENTERPRISE PLUS
Use Cases	Consolidate data center hardware and enable business continuity through server virtualization, VM-aware storage and live migration capabilities. Share data center resources across the boundaries of clusters. Get stronger virtualization security with enhanced endpoint protection.	Enhance application performance and availability to boost your business productivity with vSphere. Take control of resource management. Load balance workloads and prioritize access to resources to ensure top performance for your most important applications. Rapidly provision and deploy workloads in your virtual environment and move an entire running virtual machine from one physical server to another with no downtime.	Add intelligent operations management and automation to your data center through vSphere with Operations Management. Monitor and manage health and performance, plan and optimize capacity, intelligently place and rebalance workloads for application performance, use predictive analytics to get smart alerts and ensure security hardening compliance.
Product Components			
License Entitlement	Per 1 CPU	Per 1 CPU	Per 1 CPU
vSphere Edition	Standard	Enterprise Plus	Enterprise Plus
vRealize™ Operations™ Edition	—	—	Standard
Product Features			
Server Virtualization	•	•	•
VM-Aware Storage	•	•	•
API and Policy Driven Storage Capabilities	•	•	•
Live Migration of Workloads	Cross - vSwitch	Cross - vCenter / Long Distance / Cross - Cloud	Cross - vCenter / Long Distance / Cross - Cloud
Protect VM and Data	•	•	•
Ensure System Uptime	•	•	•
Share Data Center Resources	•	•	•
Fault Tolerance	2-vCPU	4-vCPU	4-vCPU
Proactive High Availability		•	•
VM-level Encryption		•	•

EDITIONS	VSPHERE STANDARD	VSPHERE ENTERPRISE PLUS	VSPHERE WITH OPERATIONS MANAGEMENT ENTERPRISE PLUS
Integrated Containers		•	•
Centralized Network Management		•	•
Load Balancing		•	•
Prioritize Resources to Virtual Machines		•	•
Rapid Deployment and Provisioning		•	•
Accelerated Graphics for Virtual Machines		•	•
Health Monitoring and Performance Management			•
Capacity Planning and Optimization			•
Intelligent Workload Placement and Rebalance			•
Self-Learning and Predictive Analytics			•
Compliance through Security Hardening			•

Find Out More

For information or to purchase VMware products, call 877-4VMWARE (outside North America, +1-650-427-5000), visit www.vmware.com or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the vSphere and vSphere with Operations Management documentation.

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