VMWARE vSPHERE
Efficient and Secure Platform for your Hybrid Cloud

AT A GLANCE

VMware vSphere®, the industry-leading virtualization and cloud platform, is the efficient and secure platform for hybrid clouds, accelerating digital transformation by delivering simple and efficient management at scale, comprehensive built-in security, a universal application platform, and seamless hybrid cloud experience. The result is a scalable, secure infrastructure that provides enhanced application performance and can be the foundation of any cloud.

KEY BENEFITS

- Run any app, on any cloud
- Turbo charge application performance
- Seamless hybrid cloud experience
- Efficient management at scale
- Comprehensive built-in security
- 6x improvement in application performance with vSphere Persistent Memory
- vSphere 6.7 is 2x faster than vSphere 6.5 in terms of vCenter Operations per second
- vSphere 6.7 has 3x faster DRS related operations than vSphere 6.5
- 3x reduced memory usage with vCenter Server Appliance 6.7

About vSphere

VMware vSphere, the industry leading virtualization and cloud platform, is the efficient and secure platform for your hybrid clouds. It provides a powerful, flexible, and secure foundation for business agility that accelerates your digital transformation to hybrid cloud and success in the digital economy. vSphere supports both existing and next-gen workloads through simple and efficient management at scale, to elevate the customer experience to an entirely new level; comprehensive built-in security that starts at the core, via an operationally simple policy-driven model; a universal application platform supporting new workloads and leveraging hardware innovations for enhanced performance; and a seamless hybrid cloud experience with easy visibility, migration and management of workloads between on-premises and public cloud. You can now run, manage, connect, and secure your applications in a common operating environment, across your hybrid cloud.

VMware vSphere Platinum is a new edition of vSphere, that secures applications, infrastructure, data, and access with the combined capabilities of core VMware vSphere and VMware AppDefense™. It enables a simple and powerful way to maintain existing workflows, while supporting collaboration amongst vSphere Admins, and security, compliance and application teams; making for less disruptive response and remediation in case of a security incident. vSphere Platinum delivers a purpose-built solution that secures infrastructure and applications by leveraging the hypervisor, and the power of machine learning, in a way that is built-in, operationally simple, and with minimal overhead or impact on performance.

What's New in Version 6.7?

- **Scale Enhancements** – New configuration maximums to support even the largest app environments
- **VMware vCenter Server® Appliance™ Linked Mode** – Support linked mode for vCenter Server Appliance with embedded Platform Services Controller, link up to 15 vCenters with no load balancers needed
- **VMware vCenter Server® Converge Tool** – Migrate topology from vCenter Server Appliance with External PSC into vCenter Server Appliance with Embedded PSC with ease
- **VMware vCenter Server® Appliance Back Up Scheduler** – Schedule vCenter Server Appliance backups; Full REST APIs for Backup and Restore
- **Single Reboot** – Dramatically reduce upgrade times by skipping a host reset
- **vSphere Quick Boot** – Reduce patching and upgrade times by rebooting the ESXi™ hypervisor without rebooting the physical host, skipping time-consuming hardware initialization
- **Support for 4K Native Storage** – Enhanced performance at scale to better serve large infrastructures

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- **Fully Featured HTML 5 based vSphere Client** – Added functionality and easy management of connected components
- **Security-at-Scale** – Policy-driven security that makes securing infrastructure operationally simple
- **Support for Trusted Platform Module (TPM) 2.0 and virtual TPM** – Enhanced security to protect the hypervisor and guest operating system against unauthorized access
- **Cross-vCenter Encrypted vMotion** – Encrypted vMotion capability across different vCenter instances and versions
- **Support for Microsoft's Virtualization Based Security (VBS)** – Run Windows VMs performant and securely on vSphere
- **VMware AppDefense** – Protect the integrity of applications running on vSphere to create better visibility, application control, and threat response
- **NVIDIA GRID vGPU Enhancements** – Support for suspend and resume capabilities for vGPUs, to improve host lifecycle management. Support for VMware vMotion® and snapshot capabilities allows migration of vGPU powered VMs to another host during maintenance windows, reducing end-user disruption
- **vSphere Persistent Memory** – Support for persistent memory, exposing it as block storage or as memory, to enhance performance for new as well as existing apps
- **VMware vCenter Server® Appliance Hybrid Linked Mode** – Unified visibility and manageability across an on-premises vSphere environment running on one version and a vSphere-based public cloud environment, such as VMware Cloud™ on AWS, running on a different version of vSphere
- **Per-VM Enhanced vMotion Compatibility (EVC)** – Seamless migration of workloads between on premises and the cloud
- **Cross-vCenter Mixed Version Provisioning** – Simplify provisioning across hybrid cloud environments that have different vCenter versions

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EDITIONS	vSPHERE STANDARD	vSPHERE ENTERPRISE PLUS	vSPHERE PLATINUM
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.	Secure applications, infrastructure, data, and access with the combined capabilities of core vSphere and VMware AppDefense™. Deliver enhanced visibility and protection with simple, light-weight and scalable security with no agents to manage, and minimal overhead.
Product Components			
License Entitlement	Per 1 CPU	Per 1 CPU	Per 1 CPU
vSphere Edition	Standard	Enterprise Plus	Platinum*
VMware AppDefense**			•
Product Features			
Server Virtualization	•	•	•
VM-Aware Storage	•	•	•
API and Policy Driven Storage Capabilities	•	•	•
Support for 4K Native Storage	•	•	•
vSphere Persistent Memory	•	•	•
Single Reboot	•	•	•

*Includes VMware AppDefense Plug-in for Platinum

**This is AppDefense for Platinum, the SaaS component of vSphere Platinum

EDITIONS	vSPHERE STANDARD	vSPHERE ENTERPRISE PLUS	vSPHERE PLATINUM
vSphere Quick Boot	•	•	•
Live Migration of Workloads	Cross Cloud	Cross – vCenter / Long Distance / Cross Cloud	Cross – vCenter / Long Distance / Cross Cloud
Protect VM and Data	•	•	•
Support for TPM 2.0	•	•	•
Virtual TPM 2.0	•	•	•
FIPS 140-2 Compliance	•	•	•
Support for MSFT VBS	•	•	•
Ensure System Uptime	•	•	•
Share Data Center Resources	•	•	•
Endpoint Security	•	•	•
Fault Tolerance	2-vCPU	8-vCPU	8-vCPU
vCenter Hybrid Linked Mode	•	•	•
Per-VM Enhanced vMotion Compatibility	•	•	•
Instant Clone	•	•	•
Proactive High Availability		•	•
VM-level Encryption		•	•
vSphere Integrated Containers™		•	•
Centralized Network Management		•	•
Load Balancing		•	•
Prioritize Resources to Virtual Machines		•	•
Rapid Deployment and Provisioning		•	•

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EDITIONS	vSPHERE STANDARD	vSPHERE ENTERPRISE PLUS	vSPHERE PLATINUM
Accelerated Graphics for Virtual Machines		•	•
Support for Suspend, Resume, vMotion and Snapshot for NVIDIA vGPUs		•	•
Automated Discovery of Application Assets, Intent, and Communication			•
Contextual Intelligence of Application State			•
Orchestrated or Automated Responses to Security Threats			•
Integration with third-party Security Operations tools			•

FOR MORE INFORMATION

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 vSphere documentation.

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