

# COMPARE VMWARE vSPHERE® EDITIONS

## Business Continuity and Security

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
<b>vMotion®</b> Enables live migration of virtual machines with no disruption to users or loss of service, eliminating the need to schedule application downtime for planned server maintenance.	Cross-vSwitch	Cross-vSwitch/Cross-vCenter/Long Distance/ Cross-Cloud	Cross-vSwitch/Cross-vCenter/Long Distance/ Cross-Cloud
<b>Storage vMotion®</b> Avoids application downtime for planned storage maintenance by migrating live virtual machine disk files across storage arrays.	•	•	•
<b>Fault Tolerance</b> Provides continuous availability of any application in the event of a hardware failure—with no data loss or downtime. For workloads up to 4-vCPU.	2-vCPU	4-vCPU	4-vCPU
<b>vShield Endpoint®</b> Secures virtual machines with offloaded anti-virus and anti-malware solutions, without the need for agents inside the virtual machine.	•	•	•
<b>vSphere Replication®</b> Enables efficient, array-agnostic replication of virtual machine data over the LAN or WAN, and simplifies management by enabling replication at the virtual machine level.	•	•	•
<b>Support for 4K Native Storage</b> Enhances platform scalability by leveraging high capacity drives. Reduce CapEx.	•	•	•
<b>vSphere Quick Boot</b> Skips hardware initialization steps and dramatically reduce time required for patching and upgrades.	•	•	•
<b>Single Reboot</b> Skips a host reboot step and dramatically reduce time required for major version upgrades.	•	•	•
<b>vCenter High Availability</b> Native vCenter Server availability.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>vCenter Backup and Restore</b> Native vCenter Server backup and restore.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>vCenter Backup Scheduler</b> Schedules vCenter backup and controls the number of backups retained.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>vCenter Server® Appliance Migration Tool</b> Single-step migration and upgrade of existing Windows vCenter deployments to vCenter Server Appliance.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>TPM 2.0 Support and Virtual TPM</b> Supports TPM 2.0 hardware modules and adds a virtual TPM device to shield guest OS from Operator or in-guest attacks.	•	•	•
<b>FIPS 140-2 Compliance &amp; TLS 1.2 Support as Default</b> Enhanced security compliance.	•	•	•
<b>Cross vCenter Encrypted vMotion</b>	•	•	•
<b>Virtual Machine Encryption</b> Data-at-rest encryption for virtual machine data and disks.		•	•

## Hybrid Cloud Capabilities

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
<b>vCenter Hybrid Linked Mode</b> Enables unified visibility and management across on-premises vCenter and vCenter on a vSphere enabled cloud such as VMware Cloud on AWS.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>Cross vCenter Mixed Version Provisioning</b> Uses different vCenter versions across on-premises and vSphere based public cloud environments, while allowing provisioning operations such as vMotion, Full Clone and Cold Migrate to continue on seamlessly.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>Hot and Cold Migration to the Cloud</b> Supports hot and cold migration of workloads across the hybrid cloud.	•	•	•
<b>Per VM Enhanced vMotion Capability</b> Allows seamless migration across different CPUs across the hybrid cloud by persisting the EVC mode per-VM during migrations across clusters and during power cycles.	•	•	•

## Resource Prioritization and Enhanced Application Performance

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
<b>Virtual Volumes</b> Enables abstraction for external storage (SAN and NAS) devices, making them VM-aware.	•	•	•
<b>Storage Policy-Based Management</b> Allows common management across storage tiers and dynamic storage class-of-service automation via a policy-driven control plane.	•	•	•
<b>Distributed Resource Scheduler™ (DRS), Distributed Power Management (DPM)</b> Usage with business priorities by automatically load-balancing across hosts. Optimizes power consumption by turning off hosts during periods of reduced demand.		•	•
<b>Storage DRS™</b> Automated load balancing now looks at storage characteristics to determine the best place for a given virtual machine's data when it is created and used over time.		•	•
<b>Storage I/O Control</b> Prioritizes storage access by continuously monitoring I/O load of a storage volume and dynamically allocating available I/O resources to virtual machines according to business needs.		•	•
<b>Network I/O Control</b> Prioritizes network access by continuously monitoring I/O load over the network and dynamically allocating available I/O resources according to business needs.		•	•
<b>Single Root I/O Virtualization (SR-IOV) Support</b> Allows one PCI Express (PCIe) adapter to be presented as multiple separate logical devices to virtual machines. Lets users offload I/O processing and reduce network latency.		•	•
<b>vSphere Persistent Memory</b> Leverages Persistent Memory to get DRAM like performance with flash like prices.		•	•
<b>NVIDIA GRID vGPU</b> Enables native 2D and 3D graphics performance for virtual machines. Supports suspend and resume operations on vGPUS.		•	•

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
<b>Proactive HA</b> Receive server health information and migrate virtual machines from degraded hosts before problems occur.		•	•
<b>Predictive DRS</b> Learns the environment behavior; based on usage patterns, preemptively rebalances workloads before demand spikes.			•

### Automated Administration and Provisioning

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
<b>Content Library</b> Provides simple and effective centralized management for virtual.	•	•	•
<b>vCenter Server Appliance™ Enhanced Linked Mode with Embedded Platform Services Controller</b> Simplifies vCenter Server topology with embedded platform services controller, linking multiple vCenters without the use of load balancers.	vCenter Server Standard	vCenter Server Standard	vCenter Server Standard
<b>Storage APIs for Array Integration, Multipathing</b> Improves performance, reliability, and scalability by leveraging efficient array-based operations and third-party storage vendor multipath software capabilities.	•	•	•
<b>Distributed Switch</b> Centralizes provisioning, administration, and monitoring by using cluster-level network aggregation.		•	•
<b>Host Profiles and Auto Deploy</b> Captures host-level configuration settings and saves them as a template to configure other vSphere hosts. Monitors hosts for configuration changes and automatically alerts vSphere administrators if a host falls out of compliance.		•	•

### Intelligent Operations Management Platform

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
Scale-Out Operations Platform			•
Single Sign-On			•
Remote Collectors			•
Guided Remediation			•
Automation Framework (for Automated Remediation)			•
Visualization: OOTB Dashboards, Views, Reports, Heat Map, Performance Chart			•
Policy Management			•
Role-Based Access Control			•
vRealize® Log Insight™ Integration			•
vSphere Security Hardening			•
Workload Balancing			•
OOTB Dashboard for Workload Planning and Balancing			•
DRS Management			•
Operations Dashboards, Views, and Reports			•
Flexible Operations Policies and Operations Groups			•

## Performance Monitoring and Analytics

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
vSphere Health Monitoring			•
Self-Learning Predictive Analytics with Dynamic Thresholds			•
Smart Alerts			•
Root-Cause Analysis and Recommendations			•
VMware vSAN™ Monitoring Support (Through Management Pack for vSAN)			•

## Capacity Management

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
Capacity Metering, Trending, Rightsizing, and Resource Optimization			•
Creating Custom Data Centers			•
Custom Capacity Profiles			•
Capacity Models, What-If Scenarios			•
Saving Projects			•
Committing to Reserve Capacity for Model-Driven Analytics			•

## Extensibility Through Management Packs

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
vCenter Management Pack			•
vSAN Management Pack			•
Cloud Management Platform (CMP) Management Packs—vRealize Air, vRealize Business™, vRealize Log Insight, vRealize Operations™			•
Blue Medora True Visibility Suite Standard, with Management Packs for Third-Party Compute and Storage			Can be purchased separately

## Log Analytics

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
Unstructured Data Analytics	•	•	•
Log Management	•	•	•
Machine Learning and Predictive Analytics	•	•	•

