

# 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>Data Protection</b> Delivers storage-efficient backups through patented variable-length deduplication, rapid recovery, and WAN-optimized replication for DR. Its vSphere integration and simple user interface make it an easy and effective backup tool for vSphere.	•	•	•
<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>vCenter High Availability</b> Native vCenter Server availability.	vCenter Standard	vCenter Standard	vCenter Standard
<b>vCenter Backup and Restore</b> Native vCenter Server backup and restore.	vCenter Standard	vCenter Standard	vCenter Standard
<b>vCenter Server Appliance Migration Tool</b> Single-step migration and upgrade of existing Windows vCenter deployments to vCenter Server Appliance.	vCenter Standard	vCenter Standard	vCenter Standard
<b>Virtual Machine Encryption</b> Data-at-rest encryption for virtual machine data and disks.		•	•

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>NVIDIA GRID vGPU</b> Enables native 2D and 3D graphics performance for virtual machines.		•	•
<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 machine templates, virtual appliances, ISO images, and scripts.	•	•	•
<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			•

Product Features	vSphere Standard Edition	vSphere Enterprise Plus Edition	vSphere with Operations Management Enterprise Plus
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			•
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	•	•	•

