

VMware vSphere Version Comparison

	vSphere 4.0	vSphere 4.1	vSphere 5.0	vSphere 5.1	vSphere 5.5	vSphere 6.0	vSphere 6.5
Hypervisor	ESX & ESXi	ESX & ESXi	ESXi	ESXi	ESXi	ESXi	ESXi
CPUs per host	64	160	160	160	320	480	576
RAM per host	1 TB	1 TB	2 TB	2 TB	4 TB	12 TB	12 TB
vCPU per VM	8	8	32	64	64	128	128
vMEM per VM	255 GB	255 GB	1 TB	1 TB	1 TB	4 TB	6 TB
VMDK Size	2TB	2TB	2TB	2TB	62 TB	62 TB	62 TB
Cluster Size	32	32	32	32	32	64	64
FT Max vCPU	1 vCPU	1 vCPU	1 vCPU	1 vCPU	1 vCPU	4 vCPU	4 vCPU
VM Hardware Version	7	7	8	9	10	11	13
VMFS Version	3.33	3.46	5.54	5.58	5.60	5.61	6.81
New Features	Distributed Switch Update Manager Fault tolerance Host Profiles Storage vMotion Linked Mode Enhanced vMotion - Compatibility Distributed Power Management Hot Add VM CPU/Memory VMDirectPath VMXNET3	Boot from SAN Scripted Installation Storage I/O Control DRS Host Affinity Memory Compression Array Integration Network I/O Control	Auto Deploy Storage DRS vSphere Storage Appliance Profile driven storage vSphere Web Client vCenter Server Appliance ESXi Firewall	Single Sign-On Enhanced vMotion Sparse Virtual Disks Single-root I/O Virtualization vSphere Replication vSphere Data Protection vShield Endpoint	vSphere Flash Read Cache Virtual SAN Reliable Memory Technology vSphere Big Data Extensions vCenter Single Sign-On 2.0 vSphere App HA 40Gbps NIC Support	Virtual Volumes vMotion across vSwitches Cross vCenter vMotion Native Linked Mode Platform Services Controller Certificate Authority (VMCA) Content Library	vCenter Migration vCenter Server High Availability vCenter Backup and Restore REST API Virtual Machine Encryption Encrypted vMotion Audit Logging Proactive HA HA Orchestrated Restart Automated UNMAP vSphere Integrated Containers
Management	C# Client	C# Client	C# Client Web Client	C# Client Web Client	C# Client Web Client	C# Client Web Client	Web Client HTML5 Client
Authentication Management	-	-	-	Single Sign-On	Single Sign-On 5.5	Platform Services Controller	
Backup Strategy	VMware Data Recovery (VDR)		vSphere Data Protection (VDP)				
vMotion Support	Boundary: Datacenter Shared Storage required max. 5ms RTT		Boundary: Datacenter Shared Storage required max. 10ms RTT	Boundary: Datacenter max. 10ms RTT		vMotion across vCenters vMotion across vSwitches max. 100ms RTT	
Virtual SAN	-	-	-	-	VSAN 5.5	VSAN 6.0 VSAN 6.2	VSAN 6.5
HA Agent	AAM Automatic Availability Manager		FDM Fault Domain Manager				
VAAI Primitives	-	Atomic Test & Set Cloning Blocks Zeroing File Blocks	Atomic Test & Set Cloning Blocks Zeroing File Blocks UNMAP Quota Exceeded Behavior TP LUN Reporting NFS Full File Clone NFS Space Reservation NFS Extended Stat NFS Space Reclaim				
vCenter Type	Windows	Windows	Windows Linux (vCSA)	Windows Linux (vCSA)	Windows Linux (vCSA)	Windows Linux (vCSA)	Windows Linux (vCSA)
vCSA Scale (vPostgres)	-	-	5 Hosts 50 VMs	5 Hosts 50 VMs	100 Hosts 3000 VMs	1000 Hosts 10000 VMs	2000 Hosts 25000 VMs