Veeam Backup 9.5 U4B Community Edition **Download NOW**

This might cause the host to keep disconnecting from the vCenter Server. In such a case, you need to increase the memory pool for these host processes so that the host can withstand the workload you are planning.

- VM maximums
- Host maximums
- Network maximums
- Storage maximums
- Fault Tolerance maximums
- vSAN maximums
- vCenter Server maximums
- Cluster and Resource Pool maximums

Virtual Machine Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Virtual CPUs per virtual machine	128	128	128	64	64	32
RAM per virtual machine	6TB	6TB	4TB	1TB	1TB	1TB
Virtual SCSI adapters per virtual machine	4	4	4	4	4	4
Virtual SCSI targets per virtual SCSI adapter	64	15	15	15		
Virtual SCSI targets per virtual machine	256	60	60	60		

Feature similar to GPO's capability – vSphere Perspectives
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- VCP6.5-DCV Objective 4.3 - Perform vCenter Server migration to VCSA
- Zerto Virtual Replication 5.5 Update 3 Released

VMDK Recovery Software

Virtual SATA adapters per virtual machine	4	4	4	4		
Virtual SATA devices per virtual SATA adapter	30	30	30	30		
Virtual disk size	62TB	62TB	62TB	62TB	2TB	2TB
IDE controllers per virtual machine	1	1	1	1	1	1
IDE devices per virtual machine	4	4	4	4	4	4
Floppy controllers per virtual machine	1	1	1	1	1	1
Floppy devices per virtual machine	2	2	2	2	2	2
Virtual NICs per virtual machine	10	10	10	10	10	10
USB controllers per virtual machine	1	1	1	1	1	1
USB devices connected to a virtual machine	20	20	20	20	20	20
USB 3.0 devices per virtual machine	1	1	1	1	1	1
Video memory per virtual machine	2GB	2GB	512MB	512MB		
Parallel ports per virtual machine	3	3	3	3	3	3

Host Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Logical CPUs per host	768	576	480	320	160	160
Virtual machines per host	1024	1024	1024	512	512	512
Virtual CPUs per host	4096	4096	4096	4096	2048	2048
Virtual CPUs per core	32	32	32	32	25	25
RAM per host	16TB	12TB	12TB	4TB	2TB	2TB

Network Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Total virtual network switch ports per host	4096	4096	4096	4096	4096	4096
Maximum active ports per host	1016	1016	1016	1016	1050	1050

Distributed virtual network switch ports per vCenter	60000	60000	60000	60000	60000	60000
Static port groups per vCenter	10000	10000	10000	10000	10000	10000
Ephemeral port groups per vCenter	1016	1016	1016	1016	1016	1016
Hosts per distributed switch	2000	2000	1000	500	500	350
Distributed switches per vCenter	128	128	128	128	128	32
VMDirectPath PCI/PCIe devices per host	8	8	8	8	8	8
VMDirectPath PCI/PCIe devices per virtual machine	4	4	4	4	4	4
Concurrent vMotion operations per host (1Gb/s network)	4	4	4	4	4	4
Concurrent vMotion operations per host (10Gb/s network)	4	8	8	8	8	8

Storage Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Software iSCSI NICs per server		8	8	8	8	8
Number of total paths on a server		2048	1024	1024	1024	1024
Number of paths to a iSCSI LUN		8	8	8	8	8
Software iSCSI targets		256	256	256	256	256
NFS mounts per host		256	256	256	256	256
FC LUNs per host		512	256	256	256	256
FC LUN ID		16383	1023	255	255	255
FC Number of paths to a LUN		32	32	32	32	32
Number of HBAs of any type		8	8	8	8	8
HBA ports		16	16	16	16	16
Targets per HBA	256	256	256	256	256	
Software FCoE adapters		4	4	4	4	4
Hosts per volume		64	64	64	64	64
Powered on virtual machines per VMFS volume		2048	2048	2048	2048	2048
Concurrent vMotion operations per datastore		128	128	128	128	128

Concurrent non vMotion provisioning operations per host		8	8	8	8	8
VMFS Volume size		64TB	64TB	64TB	64TB	64TB
Virtual disks per datastore cluster		9000	9000	9000		
Datastores per datastore cluster		64	64	64		
Datastore clusters per vCenter		256	256	256		

Fault Tolerance Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Virtual disks	16	16	16	16	16	
Virtual CPUs per virtual machine	8	4	4	1	1	1
RAM per FT VM	64GB	64GB	64GB	64GB	64GB	64GB
Virtual machines per host	4	4	4	4	4	4

Virtual SAN Maximums

vSphere	6.7	6.5	6.0	5.5
Virtual SAN disk groups per host	5	5	5	5
Magnetic disks per disk group	7	7	7	7
SSD disks per disk group	1	1	1	1
Spinning disks in all diskgroups per host	35	35	35	35
Components per Virtual SAN host	9000	9000	9000	3000
Number of Virtual SAN nodes in a cluster	64	64	64	32
Number of Virtual SAN nodes in a cluster (All-Flash)	32	32		
Number of datastores per cluster	1	1	1	1
Virtual machines per host	200	200	200	100
Virtual machines per cluster	6000	6000	6400	3200
Virtual machine virtual disk size	62TB	62TB	62TB	62TB
Disk stripes per object	12	12	12	12

Percentage of object space reservation	100	100	100	100
Virtual SAN networks/physical network fabrics	2	2	2	2

vCenter Server Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Hosts per vCenter Server	2000	2000	1000	1000	1000	1000
Powered on virtual machines	25000	25000	10000	10000	10000	10000
Registered virtual machines	35000	15000	15000	15000	15000	
Linked vCenter Servers	15	10/15	10	10	10	10
Hosts in linked vCenter Servers	8000	6000	4000	3000	3000	3000
Powered on virtual machines in linked vCenter	50000	30000/50000	30000	30000	30000	30000
Registered virtual machines in linked vCenter	70000	50000	50000	50000	50000	50000
Concurrent Client connections		60	180	100	100	100
Number of host per datacenter		2000	500	500	500	500
MAC addresses per vCenter Server		65536	65536	65536	65536	65536
USB devices connected at vSphere Client			20	20	20	20

Cluster and Resource Pool Maximums

vSphere	6.7	6.5	6.0	5.5	5.1	5.0
Hosts per cluster	64	64	64	32	32	32
Virtual machines per cluster	8000	8000	4000	4000	4000	3000
Virtual machines per host		1024	1024	512	512	512
Maximum concurrent host HA failover					32	32
Failover as percentage of cluster					100%	100%
Resource pools per cluster		1600	1600	1600	1600	1600
Resource pools per host		1600	1600	1600	1600	1600