



# Orchestrator Host System Requirements

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This document summarizes the recommended resources for running Orchestrator versions through 9.0.x when deployed on a standard server.

- These requirements do not include the resources needed by the hypervisor itself, which will require additional dedicated core, memory, and storage to operate.
- You must reserve CPU and memory for your virtual appliances to function optimally.
- For non-VMware hypervisors, an extra core should be set aside for hypervisor tasks.
- It is necessary to ensure that the CPU hardware Virtualization Technology (VT) feature is enabled in the BIOS, and the BIOS should be set to maximize performance. Please refer to the CPU vendor's documentation for guidance on enabling VT in the BIOS.
- When using vSphere 4.x, a VMware vSphere Enterprise Plus license is needed for a virtual machine to use 8 or more virtual processors.
- When using Hyper-V, Windows Server 2012 is needed for a virtual machine to use 8 or more virtual processors.

Number of Supported Appliances	Processor CPU (>2 GHz)		Memory (Gigabytes)		Storage SSDs (Gigabytes)		VMware	Hyper-V	KVM	Xen
	Recommended	Range	Recommended	Range	Recommended	Range				
Up to 10	2	1 – 4	8	8 – 8	500	500 – 1000	✓	✓	✓	✓
Up to 25	2	1 – 4	16	8 – 24	500	500 – 1000	✓	✓	✓	✓
Up to 50	6	2 – 16	24	16 – 32	500	500 – 1000	✓	✓	✓	✓
Up to 100	16	4 – 24	32	24 – 48	800	500 – 1000	✓	✓	✓	✓
Up to 200	24	8 – 32	64	32 – 96	1000	500 – 1200	✓	✓	✓	✓
Up to 500	32	24 – 48	128	64 – 256	1000	800 – 2000	✓	✓	✓	✓
Up to 1000	48	32 – 96	256	128 – 512	2000	1000 – 4000	✓	✓	✓	✓
More than 1000	Silver Peak recommends Orchestrator-as-a-Service									

## Supported Hypervisor Versions

Hypervisor	Hardware Compatibility List
vSphere 4.0 Update 1 & later	<a href="http://www.vmware.com/resources/compatibility/search.php">http://www.vmware.com/resources/compatibility/search.php</a>
vSphere 5	
vSphere 6, 6.5, 6.7	
vSphere 7	
Hyper-V 2008 R2	<a href="http://technet.microsoft.com/en-us/library/cc816844(WS.10).aspx">http://technet.microsoft.com/en-us/library/cc816844(WS.10).aspx</a>
Hyper-V 2012 R2	<a href="http://technet.microsoft.com/en-us/library/hh831531.aspx">http://technet.microsoft.com/en-us/library/hh831531.aspx</a>
XenServer 6	<a href="http://hcl.vmd.citrix.com/">http://hcl.vmd.citrix.com/</a>
KVM	<a href="https://access.redhat.com/ecosystem/search/#/category/Server">https://access.redhat.com/ecosystem/search/#/category/Server</a>

**Note:** The above table shows the exact versions tested by Silver Peak. Newer versions are verified, but not officially tested by the Silver Peak QA team.