

ESXi, Hyper-V, Xen, KVM						
Step 1 - How Much SD-WAN Bandwidth Do You Need?						
		Processor Cores (>2 GHz)	Memory*	Storage Size	Storage Config	
Up to 50 Mbps	Minimum	1	8 GB	30 GB	2 x SSD	
	Recommended	2	8 GB	30 GB	2 x SSD	
Up to 200 Mbps	Minimum	2	8 GB	30 GB	2 x SSD	
	Recommended	2	8 GB	30 GB	2 x SSD	
Up to 500 Mbps	Minimum	2	8 GB	30 GB	2 x SSD	
	Recommended	4	8 GB	30 GB	2 x SSD	
Up to 1 Gbps	Minimum	4	8 GB	30 GB	2 x SSD	
	Recommended	4	8 GB	30 GB	2x SSD	
Up to 2 Gbps	Minimum	4	8 GB	30 GB	2 x SSD	
	Recommended	4	8 GB	30 GB	2x SSD	
Up to 5 Gbps	Minimum	8	8 GB	30 GB	2 x SSD	
	Recommended	8	8 GB	30 GB	2 x SSD	
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If you don't need Boost, you are done!
Row 1 above specifies your host system requirements for the EC-V.

ESXi, Hyper-V, Xen, KVM							
Step 2 - How Much Boost Bandwidth Do You Need?							
		Processor Cores (>2 GHz)	Memory	Storage Size	Storage IOPs	Storage MB/s	Storage Config
Up to 50 Mbps	Minimum	4	8 GB	30 GB	1000	250	3 x SSD
	Recommended	8	14 GB	30 GB	1000	250	3 x SSD
Up to 200 Mbps	Minimum	4	8 GB	30 GB	1000	250	4 x SSD
	Recommended	8	14 GB	250 GB	1000	250	4 x SSD
Up to 500 Mbps	Minimum	8	14 GB	250 GB	5000	1250	8 x SSD
	Recommended	24	30 GB	250 GB	5000	1250	8 x SSD
Up to 1 Gbps	Minimum	8	14 GB	250 GB	5000	1250	8 x SSD
	Recommended	24	30 GB	250 GB	5000	1250	8 x SSD
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The higher of each resource in row 1 and 2 specifies your host system requirements for the EC-V.

Notes

- These requirements do not include the resources needed by the hypervisor itself, which will require additional dedicated cores, memory, and storage to operate.
- You must reserve CPU and memory for your virtual appliances to function optimally.
- Due to the performance differences between RAID controllers and SSDs, your configuration might require additional SSDs to meet the minimum performance requirements.
- It is necessary to ensure that the CPUs' hardware Virtualization Technology (VT) feature is enabled in the BIOS, and 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 the required 8 or more virtual processors.
- When using Hyper-V, Windows Server 2012 is needed for a virtual machine to use the required 8 or more virtual processors.
- Any combination of enterprise-class, solid-state disks is supported. Disks must be thick provisioned.
- NAS or SAN storage must meet storage performance metrics.
- The minimum storage requirement can be reduced to 30 GB if *nm media mode* is set to *ram only*.

To access the *VX and EC-V Virtual Appliance & Hypervisor Version Compatibility Matrix*, [click here](#).

For information about EC-V virtual appliance compatibility with Network Server Blades from HP, Cisco, Avaya, and other specialized hardware form factors, please consult the *EC-V Specialized Form Factor Compatibility Matrix* on the following page.

* Go to the **System Limits** tab in your Appliance Manager. This tab helps determine the total amount of memory needed for a specified number of tunnels and flows.



EdgeConnect Virtual (EC-V) Appliance Host System Requirements

Silver Peak Systems, Inc.
2860 De La Cruz Boulevard
Santa Clara, CA 95050

1.877.210.7325 (toll-free in USA)
+1.408.935.1850
www.silver-peak.com

July 2020

Silver Peak has validated EC-V virtual appliance performance for each of the network server blades listed below. This list is constantly evolving.

For other form factors, contact sales@silver-peak.com, or see the previous page for generic system requirements.

Server Configurations for EdgeConnect Virtual Appliance Boost Applications

Blade	Hypervisor	Boost							Notes
		2 Mbps WAN	4 Mbps WAN	10 Mbps WAN	20 Mbps WAN	50 Mbps WAN	100 Mbps WAN	200 Mbps WAN	
Avaya 4134	vSphere 4.0 Update 1 & later vSphere 5.x, 6.0	✓	✓	✓	✓				See Avaya Technical Configuration Guide
HP AllianceOne 5400zl & 8200zl module	vSphere 4.0 Update 1 & later vSphere 5.x, 6.0	✓	✓	✓	✓				See HP vSphere Best Practices Guide
HP AllianceOne 5400zl & 8200zl module	XenServer 5.6 Feature Pack 1 & later XenServer 6	✓	✓	✓	✓				See HP XenServer Best Practices Guide
Cisco ISR G2 Router SRE 900	vSphere 5.x, 6.0	✓	✓	✓	✓	✓			See Cisco SRE 900 Best Practices Guide
Cisco UCS E140S M1	vSphere 5.x, 6.0 Citrix XenServer 6.0 Microsoft Hyper-V	✓	✓	✓	✓	✓			See Cisco UCS-E Getting Started Guide
Cisco UCS E140S M2	vSphere 5.x, 6.0 Citrix XenServer 6.0 Microsoft Hyper-V	✓	✓	✓	✓	✓	✓	✓	See Cisco UCS-E Getting Started Guide
Cisco UCS E140D/E140DP	vSphere 5.x, 6.0 Citrix XenServer 6.0 Microsoft Hyper-V	✓	✓	✓	✓	✓	✓	✓	See Cisco UCS-E Getting Started Guide
Cisco UCS E160D/E160DP	vSphere 5.x, 6.0 Citrix XenServer 6.0 Microsoft Hyper-V	✓	✓	✓	✓	✓	✓	✓	See Cisco UCS-E Getting Started Guide