EdgeConnect Virtual Appliance Host System Requirements

April 9, 2018

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Step 1 - How Much SD-WAN Bandwidth Do You Need?

Select	SD-WAN Bandwidth	Processor Cores (>2 GHz)	Memory	Storage Size	Storage Notes – (see Note a)	AWS Recommended Instance Type	AWS Max # of NICs	Azure Recommended Instance Type	Azure Max # of NICs
☐	Up to 1 Gbps	2	4 GB	30 GB	2 x 7200 RPM SAS *or* 2 x SSD	t2.medium	3	Standard_A4_v2	4
☐	1 to 4 Gbps	4	4 GB	30 GB	2 x 7200 RPM SAS *or* 2 x SSD	t2.xlarge c4.xlarge	3 4	Standard_DS3_v2 Standard_A8_v2	4 8
☐	4 to 5 Gbps	8	4 GB	30 GB	2 x 7200 RPM SAS *or* 2 x SSD	c4.2xlarge	4	Standard_A8_v2 Standard_D4_v2	8 8
❶	Copy from selected row →		4 GB	30 GB	2 x 7200 RPM SAS *or* 2 x SSD				

If you don't need Boost, you are done!
Row ❶ above specifies your host system requirements for the EC-V.

a. Due to the performance differences between RAID controllers and SSDs, your configuration might require additional SSDs to meet the minimum performance requirements.

Step 2 - How Much Boost Bandwidth Do You Need?

Select	Boost Bandwidth	Processor Cores (>2 GHz)	Memory	Storage Size	Storage IOPS	Storage MB/s	Storage Configuration	AWS Recommended Instance Type	AWS Max # of NICs	Azure Recommended Instance Type	Azure Max # of NICs
☐	Up to 10 Mbps	4	4 GB	100 GB	100	25	2 x 7200 RPM SAS *or* 2 x SSD	t2.xlarge c4.xlarge	3 4	Standard_A4_v2	4
☐	10 to 50 Mbps	4	7 GB	100 GB	200	50	3 x SSD	t2.xlarge c4.xlarge	3 4	Standard_DS3_v2 Standard_A8_v2	4 8
☐	50 to 200 Mbps	8	14 GB	250 GB	1000	250	4 x SSD	c4.2xlarge	4	Standard_A8_v2 Standard_D4_v2	8 8
☐	200 to 1000 Mbps	24	30 GB	250 GB	5000	1250	8 x SSD	c3.8xlarge	8	Standard_D32s_v3 Standard_D32_v3	8
❷	Copy from selected row →										

The **higher of each resource** in row ❶ or ❷ 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 core, memory, and storage to operate.
- 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. Disk must be thick provisioned.
- NAS or SAN storage must meet storage performance metrics.
- The minimum storage requirement can be reduced to 30GB if **nm media mode** is set to **ram only**.
- Apart from the recommended instance types listed for AWS and Azure deployments, users can select other instance types, provided they support the minimum CPU, memory, storage, and network bandwidth requirements. In other words, EC-V deployments are supported in instance types other than those listed here.

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.

PN 200945-001 Rev H

EC-V Specialized Form Factor Compatibility Matrix

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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.

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	✓	✓	✓	✓	Pending			See Avaya Technical Configuration Guide
HP AllianceOne 5400zl & 8200zl module	vSphere 4.0 Update 1 & later vSphere 5.x, 6.0	✓	✓	✓	✓	Pending			See HP vSphere Best Practices Guide
HP AllianceOne 5400zl & 8200zl module	XenServer 5.6 Feature Pack 1 & later XenServer 6	✓	✓	✓	✓	Pending			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

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