

# VXOA Virtual Appliance Host System Requirements

November 30, 2011

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

The following table summarizes the recommended resources required by each virtual appliance model 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.
- For non-VMware hypervisors, an extra core should be set aside for hypervisor tasks.

- It is necessary to ensure that the CPU's hardware Virtualization Technology (VT) feature is enabled in the BIOS. Please refer to the CPU vendor's documentation for guidance on enabling VT in the BIOS.
- When using vSphere 4.x with the VRX-8, a VMware vSphere Enterprise Plus license is needed for a virtual machine to use the required 8 virtual processors.

Model	WAN Bandwidth	Processor Cores (>2 GHz)	Memory (Gigabytes)	Storage (Gigabytes)	Storage Performance (IOPS/MBps)	VMware	Xen	Hyper-V	KVM	Storage Notes – Suggested Hard Disk Configuration
VX-Xpress	4 Mbps	2	2	100	13 IOPS / 4 MBps	✓				1 × 7200 RPM SATA
VX-1000	4 Mbps	2	4	100 – 2000	13 IOPS / 4 MBps	✓	✓	✓	✓	1 × 7200 RPM SATA
VX-2000	10 Mbps	4	4	100 – 2000	25 IOPS / 7 MBps	✓	✓			1 × 10K RPM SAS
VX-3000	20 Mbps	4	4	100 – 2000	25 IOPS / 7 MBps	✓	✓			1 × 10K RPM SAS
VX-5000	50 Mbps	4	7	100 – 2000	50 IOPS / 13 MBps	✓	✓			1 × 10K RPM SAS
VRX-8	155 Mbps	8	14	250 – 2000	125 IOPS / 32 MBps	✓				6 × 15K RPM SAS RAID 10
VRX-8	625 Mbps	8	14	250 – 2000	250 IOPS / 63 MBps	✓				10 × 15K RPM SAS RAID 10
VRX-8	1000 Mbps	8	14	250 – 2000	250 IOPS / 63 MBps	✓				10 × 15K RPM SAS RAID 10

## Supported Hypervisor Versions

Hypervisor	Hardware Compatibility List
vSphere 4 vSphere 5	<a href="http://www.vmware.com/resources/compatibility/search.php">http://www.vmware.com/resources/compatibility/search.php</a>
XenServer	<a href="http://hcl.vmd.citrix.com/">http://hcl.vmd.citrix.com/</a>
Hyper-V	<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>
KVM	<a href="http://doc.opensuse.org/products/opensuse/openSUSE/opensuse-kvm/cha.kvm.requires.html">http://doc.opensuse.org/products/opensuse/openSUSE/opensuse-kvm/cha.kvm.requires.html</a>

## Storage Notes

- For RAID arrays, a stripe size of 256K is optimal.
- Any combination of solid state disks is supported.
- NAS or SAN storage must meet storage performance metrics.
- For peak performance, use a separate disk for the hypervisor.
- Disk must be thick provisioned.

For information about VXOA compatibility with Network Server Blades from HP, Cisco, Avaya, and other specialized hardware form factors, please consult the *VXOA Network Server Compatibility Matrix* on the following page.

# VXOA Specialized Form Factor Compatibility Matrix

November 30, 2011

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

Silver Peak has validated VXOA performance for each of the network server blades listed below.

For other form factors, contact [sales@silver-peak.com](mailto:sales@silver-peak.com), or see the previous page for generic system requirements.

This list is constantly evolving.

Blade	Hypervisor	VX-Xpress 4 Mbps WAN	VX-1000 4 Mbps WAN	VX-2000 10 Mbps WAN	VX-3000 20 Mbps WAN	VX-5000 50 Mbps WAN	Notes
Avaya 4134	vSphere4.x vSphere5.x	✓	✓	✓	✓	✓	See Avaya Technical Configuration Guide
HP AllianceOne 5400zl & 8200zl module	vSphere4.x vSphere5.x	✓	✓	✓	✓	Pending	See HP vSphere Best Practices Guide
HP AllianceOne 5400zl & 8200zl module	XenServer 5.6 XenServer 6	N/A	✓	✓	✓	Pending	See HP XenServer Best Practices Guide
Cisco ISR G2 Router SRE 900	vSphere5.x	✓	✓	✓	✓	✓	See Cisco SRE 900 Best Practices Guide