Cisco Nexus 1000V and VMware Compatibility Information, Release 5.2(1)SV3(4.1b)

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This document provides compatibility information for the Cisco Nexus 1000V and VMware software.

Information About Upgrading and Software Compatibility

Important Customer Update

To improve customer support for Cisco Nexus 1000V, Cisco now only updates the support matrix for major and minor releases from VMware. All VMware patch and update releases are automatically supported at the time of their release. VMware guarantees compatibility with all patches and updates, and customers are not required to check the matrix for VMware patch or update support.

Interactive Upgrade Utility Tool

An easy-to-use *Cisco Nexus 1000V and VMware ESX/ESXi Upgrade Utility* provides you with steps to follow for your specific upgrade. It is available at this URL: http://www.cisco.com/c/dam/en/us/td/docs/Website/datacenter/nexus1000/upgrade/n1kvmatrix.html.

Note See also Understanding Cisco Nexus 1000V and VMware Software Version Compatibility.

If you are not using VMware Update Manager (VUM), to ensure compatibility with the existing Virtual Supervisor Module (VSM) software version, you can install the compatible Virtual Ethernet Module (VEM) software version by using the following command:

esxcli software vib install -d *[path to VEM offline bundle]*

Example:

```
esxcli software vib install -d "/../VEM550-201703390107-BG-release.zip (offline)"
```

Note The **esxupdate** command is only available on ESX, not ESXi. The **vihostupdate** command is available on both ESX and ESXi.

With the binary compatibility, it is no longer necessary to add the Cisco VIB when upgrading from one patch level to another.

With binary compatibility, if you are patching from ESXi500-201207001 to ESXi500-201501001, you run the following command:

esxcli software vib update -d ESXi500-201209001.zip (offline)

> **Note** For more information about installing or upgrading VEM software, see the appropriate *Cisco Nexus 1000V Installation and Upgrade Guide*.

Information About Server Compatibility

The servers running the Cisco Nexus 1000V VSM and VEM must be in the VMware Hardware Compatibility List. Cisco Nexus 1000V is compatible with any upstream physical access layer switch that is Ethernet-standard compliant, including Catalyst 6500 series switches, Cisco Nexus switches, and switches from other network vendors.

Cisco Nexus 1000V Software Release Compatibility

> **Note** • Cisco Nexus 1000V Release 5.2(1)SV3(1.2) and later does not support VMware ESX/ESXi 4.1, 4.0, or any earlier ESX/ESXi releases.

The following table shows the software compatibility for Cisco Nexus 1000V Release 5.2(1)SV3(4.1b) and VMware releases.

Table 1: VMware and Cisco Nexus 1000V Software Compatibility for Release 5.2(1)SV3(4.1b)

VMware Software Release Supported	Cisco Nexus 1000V Release 5.2(1)SV3(4.1b)[1]
ESXi 6.5a	Compatible **Note** Any release after VMware 6.5 Update 1 does not support Cisco Nexus 1000v. For more information, see VMware documentation. **Note** For information about Cisco plans for Virtual Networking, see Cisco Blog.
ESXi 6.0 and later	Compatible

[1] The Cisco Nexus 1000V VIB is available on the VSM home page: http://<vsm_ip>.

Host Software Version Compatibility

The following table lists the compatible host software versions for VMware ESXi 6.5a, ESXi 6.0, and the Cisco Nexus 1000V VEM for Release 5.2(1)SV3(4.1b).

Note

- If you are upgrading VEMs using a Cisco Nexus 1000V software bundle, see Information About Upgrading and Software Compatibility, on page 1.

Table 2: Host Software Version Compatibility for ESXi 6.5a and 6.0.

VIB Version (VIB files are available at http://www.vmware.com/patch/download.)	VEM Bundle (VMware bundled software updates require placing the host in maintenance mode.)	Minimum Supported Version			
		Windows VC Installer	Linux vCenter Server Appliance	vSphere CLI	Power Shell CLI
VMware software version: ESXi 6.5a (includes patches and updates)					
cross_cisco-vem-v390-5.2.1.3.3.1.0-6.5.1.vib	VEM650-201703390111-BG-release.zip (Offline) VEM650-201703390111-BG (Online)	6.5a	6.5a	6.5a	6.5a
VMware software version: ESXi 6.0 (includes patches and updates)					
cross_cisco-vem-v390-5.2.1.3.3.1.0-6.0.1.vib	VEM600-201703390106-BG-release.zip (Offline) VEM600-201703390106-BG (Online)	6.0	6.0	6.0	6.0

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to: nexus1k-docfeedback@cisco.com.

We appreciate your feedback.

Related Documentation

This section lists the documents used with the Cisco Nexus 1000V and available on Cisco.com at the following URL:

http://www.cisco.com/c/en/us/support/switches/nexus-1000v-switch-vmware-vsphere/tsd-products-support-series-home.html

General Information

Cisco Nexus 1000V Documentation Roadmap

Cisco Nexus 1000V Release Notes

Cisco Nexus 1000V and VMware Compatibility Information

Install and Upgrade

Cisco Nexus 1000V Installation and Upgrade Guide

Configuration Guides

Cisco Nexus 1000V DFA Configuration Guide

Cisco Nexus 1000V High Availability and Redundancy Configuration Guide

Cisco Nexus 1000V Interface Configuration Guide

Cisco Nexus 1000V Layer 2 Switching Configuration Guide

Cisco Nexus 1000V Multi-Hypervisor License Configuration Guide

Cisco Nexus 1000V Network Segmentation Manager Configuration Guide

Cisco Nexus 1000V Port Profile Configuration Guide

Cisco Nexus 1000V Quality of Service Configuration Guide

Cisco Nexus 1000V REST API Plug-In Configuration Guide

Cisco Nexus 1000V Security Configuration Guide

Cisco Nexus 1000V System Management Configuration Guide

Cisco Nexus 1000V VDP Configuration Guide

Cisco Nexus 1000V VXLAN Configuration Guide

Reference Guides

Cisco Nexus 1000V Resource Availability Reference

Troubleshooting and Alerts

Cisco Nexus 1000V Troubleshooting Guide

Cisco NX-OS System Messages Reference

Cloud Services Platform Documentation

The *Cisco Cloud Services Platform* documentation is available at http://www.cisco.com/c/en/us/support/switches/nexus-1100-series-cloud-services-platforms/tsd-products-support-series-home.html.

Virtual Security Gateway Documentation

The *Cisco Virtual Security Gateway for Nexus 1000V Series Switch* documentation is available at http://www.cisco.com/c/en/us/support/switches/virtual-security-gateway/tsd-products-support-series-home.html.

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- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.