



Cisco Nexus 1000V and VMware Compatibility Information, Release 4.2(1) SV1(5.2)

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This document provides the following compatibility information for the Cisco Nexus 1000V:

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Information About Software Compatibility

This section includes the following topics:

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Information About Upgrading and Software Compatibility

Important Customer Update

In order to improve customer support for the 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.



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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/web/techdoc/n1kv/upgrade/utility/n1kvmatrix.html>



Note

For additional information about *Cisco Nexus 1000V Compatibility Information, Release 4.2(1)SV1(5.2)*, view [Understanding Cisco Nexus 1000V and VMware Software Version Compatibility](#).

If you are not using VUM, to ensure compatibility with the existing VEM software version, you can update both the VEM and VMware software at the same time as follows:

- From the ESX CLI:
esxupdate --bundle [name of updated VEM offline bundle] --bundle [name of VMware offline update bundle] update

Example:

```
esxupdate --bundle VEM410-201204401.zip --bundle
upgrade-from-ESX4.0-to-4.1.0-0.0.260247-release.zip update
```

For ESXi release 5.0 and later use the following command:

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

Example:

```
esxcli software vib install -d "../VEM500-201204142102-BG-release.zip"
```

- From the VI Host Update Utility:

vihostupdate --install --bundle "[path to VMware Update offline bundle]" "[path to updated VEM offline bundle]" --server[vsphere host IP address]

Example:

```
vihostupdate --install --bundle
"/../upgrade-from-ESXi4.0-to-4.1.0-0.0.260247-release.zip", "/../ VEM410-201204401.zip"
--server192.168.1.101
```



Note

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

Starting with ESX/ESXi 4.0.0 Update 2, ESX/ESXi 4.1.0 GA, and ESXi 5.0.0, binary compatibility was introduced. With the introduction of 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 ESX/ESXi410-201010001 to ESX/ESXi410-201011001, you run the following command:

esxupdate --bundle ESX410-201011001.zip update

For ESXi 5.0.0, you run the following command:

esxcli software vib update -d ESXi500-201207001.zip



Note

For more information about installing or upgrading VEM software, see the *Cisco Nexus 1000V Software Installation Guide, Release 4.2(1)SV1(5.2)*.

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Information About Server Compatibility

The servers running the Cisco Nexus 1000V VSM and VEM must be in the [VMware Hardware Compatibility List \(HCL\)](#).

The 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

Important Customer Update

In order to improve customer support for the 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.



Note

Cisco Nexus 1000V Release 4.2(1)SV1(5.2) does not support VMware ESX/ESXi 4.0.0. release series and any earlier ESX/ESXi releases.

[Table 1](#) shows the Cisco Nexus 1000V releases from Release 4.0(4)SV1(3c) and later that are supported by VMware release.

[Table 2](#) shows the Cisco Nexus 1000V releases from Release 4.0(4)SV1(1) through Release 4.0(4)SV1(3b) that are supported by VMware release.

Table 1 VMware and Cisco Nexus 1000V Software Compatibility for Release 4.0(4)SV1(3c) and Later

VMware Software Release Supported		Cisco Nexus 1000V Release Name							
		4.2(1)SV1(5.2)	4.2(1)SV1(5.1a)	4.2(1)SV1(5.1)	4.2(1)SV1(4b)	4.2(1)SV1(4a)	4.2(1)SV1(4)	4.0(4)SV1(3d)	4.0(4)SV1(3c)
ESXi 5.1.0 GA (includes all patches and updates)		Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 P-3	ESXi500-2012 07001	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 EP-4	ESXi500-2012 06001	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 EP-3	ESXi500-2012 05001	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 EP-2	ESXi500-2012 04001	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 Update01	update-from-esxi5.0-5.0_update01	Compatible ¹	Compatible ²	Compatible ²	Compatible ²	Compatible ³	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 P02	ESXi500-2011 12001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ³	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 EP1	ESXi500-2011 11001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ³	Not Compatible	Not Compatible	Not Compatible

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Table 1 VMware and Cisco Nexus 1000V Software Compatibility for Release 4.0(4)SV1(3c) and Later (continued)

VMware Software Release Supported		Cisco Nexus 1000V Release Name							
		4.2(1)SV1(5.2)	4.2(1)SV1(5.1a)	4.2(1)SV1(5.1)	4.2(1)SV1(4b)	4.2(1)SV1(4a)	4.2(1)SV1(4)	4.0(4)SV1(3d)	4.0(4)SV1(3c)
ESXi 5.0.0 P01	ESXi500-201109001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ³	Not Compatible	Not Compatible	Not Compatible
ESXi 5.0.0 GA (includes all patches and updates)		Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ⁴	Not Compatible	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 Update 3	update-from-esx/esxi4.1-4.1_update03	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
ESX/ESXi 4.1.0 EP3	ESX/ESXi410-201206001	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
ESX/ESXi 4.1.0 EP2-1	ESX/ESXi410-201205001	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
ESX/ESXi 4.1.0 P05	ESX/ESXi410-201204001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ ESXi 4.1.0 P04	ESX/ESXi 410-201201001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX 4.1.0 EP2	ESX410-201112001	Compatible	Compatible	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 Update 2	update-from-esx/esxi4.1-4.1_update02	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 P03	ESX/ESXi410-201107001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 P02	ESX/ESXi410-201104001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 Update 1	update-from-esx/esxi4.1-4.1_update01	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 EP1	ESX/ESXi410-201011001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 P01	ESX/ESXi410-201010001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.1.0 GA (includes all patches and updates)		Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Compatible ²

1. Cisco Nexus 1000V VIB is available in the VSM home page http://<vsm_ip>.
2. Cisco Nexus 1000V VIB is available in the VSM home page http://<vsm_ip>.
3. The bits need to be downloaded separately and are not available on the VSM home page.
4. These VIB packages need to be downloaded from cisco.com or the VMware website.

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Table 2 VMware and Cisco Nexus 1000V Software Compatibility for Release 4.0(4)SV1(1) Through Release 4.0(4)SV1(3b)

VMware Software Release Supported		4.0(4)SV1(3b)	4.0(4)SV1(3a)	4.0(4)SV1(3)	4.0(4)SV1(2)	4.0(4)SV1(1)
ESXi 5.0.0 GA and Later (includes all patches and updates)		Not Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 Update 3	update-from-esx/esxi4.1-4.1_update03	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 EP3	ESX/ESXi410-201206001	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 EP2-1	ESX/ESXi410-201205001	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 P05	ESX/ESXi410-201204001	Compatible ¹	Compatible ²	Compatible ²	Not Compatible	Not Compatible
ESX/ ESXi 4.1.0 P04	ESX/ESXi 410-201201001.zip	Compatible ¹	Compatible ²	Compatible ²	Not Compatible	Not Compatible
ESX 4.1.0 EP2	ESX410-201112001	Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 Update 2	update-from-esx/esxi4.1-4.1_update02	Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 P03	ESX/ESXi410-201107001-SG	Compatible ²	Compatible ²	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 P02	ESX/ESXi410-201104001-SG	Compatible ²	Compatible ²	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 Update 1	update-from-esx/esxi4.1-4.1_update01	Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 EP1	ESX/ESXi410-201011001	Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 P01	ESX/ESXi410-201010001	Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.1.0 GA (includes all patches and updates)		Compatible ¹	Compatible ¹	Compatible ²	Not Compatible	Not Compatible
ESX/ESXi 4.0.0 EP-8	ESX/ESXi400-201206001	Compatible	Compatible	Compatible	Compatible	Not Compatible
ESX/ESXi400-EP-7	ESX/ESXi400-201205001	Compatible	Compatible	Compatible	Compatible	Not Compatible
ESX/ESXi 4.0.0 P11	ESX/ESXi400-201203001	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Not Compatible
ESX/ESXi 4.0.0 Update 4	update-from-esx/esxi4.0-4.0_update4	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Not Compatible
ESX/ESXi 4.0.0 P10	ESX/ESXi400-201110401	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Not Compatible
ESX/ESXi 4.0.0 Update 3	update-from-esx/esxi4.0-4.0_update03	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Not Compatible
ESX/ESXi 4.0.0 P09-EP	ESX/ESXi400-201104001	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Not Compatible
ESX/ESXi 4.0.0 EP05	ESX/ESXi400-201104001-SG	Compatible ²	Compatible ²	Compatible ²	Compatible ²	Not Compatible

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Table 2 VMware and Cisco Nexus 1000V Software Compatibility for Release 4.0(4)SV1(1) Through Release 4.0(4)SV1(3b) (continued)

VMware Software Release Supported		4.0(4)SV1(3b)	4.0(4)SV1(3a)	4.0(4)SV1(3)	4.0(4)SV1(2)	4.0(4)SV1(1)
ESX/ESXi 4.0.0 P10	ESX/ESXi400-201110401	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Not Compatible
ESX/ESXi 4.0.0 P09	ESX/ESXi400-201103001	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Not Compatible
ESX/ESXi 4.0.0 P08	ESX/ESXi400-201101001	Compatible ¹	Compatible ¹	Compatible	Compatible	Not Compatible
ESX/ESXi 4.0.0 P07	ESX/ESXi400-201009001	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Not Compatible
ESX/ESXi 4.0.0 Update 2	upgrade-from-esx/esxi4.0-4.0_update02	Compatible ¹	Compatible ¹	Compatible ²	Compatible ²	Not Compatible
ESX/ESXi 4.0.0 P06	ESX/ESXi400-201005001	Compatible ¹	Compatible ¹	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.0.0 P05	ESX/ESXi400-201003001	Compatible ¹	Compatible ¹	Compatible ²	Compatible ²	Compatible ²
ESX/ESXi 4.0.0 P04	ESX/ESXi400-201002001	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ²	Compatible ²
ESX/ESXi 4.0.0 P03	ESX/ESXi400-200912001	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ²	Compatible ²
ESX/ESXi 4.0.0 Update 1	ESX/ESXi-4.0.0-update01	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ¹	Compatible ²

1. Cisco Nexus 1000V VIB is available in the VSM home page http://<vsm_ip>.

Host Software Version Compatibility

Table 3 lists the compatible host software versions for VMware ESXi 5.0.1 and the Cisco Nexus 1000V VEM for Release 4.2(1)SV1(5.2).

Table 4 lists the compatible host software versions for VMware ESXi 5.0.0 and the Cisco Nexus 1000V VEM for Release 4.2(1)SV1(5.2).

Table 5 lists the compatible host software versions for VMware ESX/ESXi 4.1.0 and the Cisco Nexus 1000V VEM for Release 4.2(1)SV1(5.2).



Note

If you are upgrading VEMs using a Cisco Nexus 1000V software bundle, see the “[Information About Upgrading and Software Compatibility](#)” section on page 1.

Table 3 Host Software Version Compatibility for ESXi 5.1.0.1

VMware Software Version	Host Build ¹	VIB Version ²	VEM Bundle ³	Minimum Supported Version			
				Windows VC Installer	Linux vCenter Server Appliance	vSphere CLI	PowerShell CLI
ESXi 5.1.0	799733	cross_cisco-vem-v144-4.2.1.1.5.2.0-3.1.2.vib	VEM510-201208144105-BG(Online) VEM510-201208144105-BG-release.zip (Offline)	799735	799730	422456	793510

1. After installing VMware patches, verify the ESX software build number on the ESX server console. For more information, see the “[Identifying the Build Number on Your Host Server](#)” section on page 10.
2. VIB files are available at <http://www.vmware.com/patch/download>.
3. VMware bundled software updates require placing the host in maintenance mode.

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Table 4 Host Software Version Compatibility for ESXi 5.0.0

VMware Software Version	Host Build ¹	VIB Version ²	VEM Bundle ³	Minimum Supported Version			
				Windows VC Installer	Linux vCenter Server Appliance	vSphere CLI	PowerShell CLI
ESXi 5.0.0 P-3 ESXi500-201207001.zip	768111	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	804277 757163 639890	804279 759855 456004	422456	435426
ESXi 5.0.0 EP-4 ESXi500-201206001.zip	721882	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	804277 757163 639890	804279 759855 456004	422456	435426
ESXi 5.0.0 EP-3 ESXi500-201205001.zip	702118	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	804277 757163 639890	804279 759855 456004	422456	435426
"ESXi 5.0.0 EP-2 ESXi500-201204001.zip	623860	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	804277 757163 639890	804279 759855 456004	422456	435426
ESXi 5.0.0 Update01 update-from-esxi 5.0-5.0_update0 1.zip	623860	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	804277 757163 639890	804279 759855 456004	422456	435426
ESXi 5.0.0 - P02 ESXi500-201112001.zip	515841	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	456005	456004	422456	435426
ESXi 5.0.0 E P1 ESXi500-201111001.zip	504890	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	456005	456004	422456	435426
ESXi 5.0.0 P01 ESXi500-201109001.zip	474610	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	456005	456004	422456	435426
ESXi 5.0.0	469512	cross_cisco-vm-v144-4.2.1.1.5.2.0-3.0.1.vib	VEM500-201208144102-BG(Online) VEM500-201208144102-BG-release.zip (Offline)	456005	456004	422456	435426

1. After installing VMware patches, verify the ESX software build number on the ESX server console. For more information, see the ["Identifying the Build Number on Your Host Server"](#) section on page 10.
2. VIB files are available at <http://www.vmware.com/patch/download>.
3. VMware bundled software updates require placing the host in maintenance mode.

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Table 5 Host Software Version Compatibility for ESX/ESXi 4.1.0

VMware Software Version	Host Build ¹	VIB Version ²	VEM Bundle ³	Minimum Supported Version		
				vCenter Server	Update Manager	vSphere CLI
ESX/ESXi 4.1.0 Update 3 update-from-esx/esxi4.1-4.1_update03	800380	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	799345	816769	254719
ESX/ESXi 4.1.0 EP3 ESX/ESXi410-201206001.zip	721871	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	491557	493048	254719
ESX/ESXi 4.1.0 EP2-1 ESX/ESXi410-201205001.zip	702113	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	491557	493048	254719
ESX / ESXi 4.1.0 P05 ESX/ESXi 410-201204001.zip	659051	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	491557	493048	254719
ESX/ ESXi 4.1.0 P04 ESX/ESXi 410-201201001.zip	582267	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	491557	493048	254719
ESX 4.1.0 EP2 ESX410-201112001	538358	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	258902	256596	254719
ESX/ESXi 4.1.0 Update 2 update-from-esx/esxi4.1-4.1_update02	502767	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	491557	493048	254719
ESX/ESXi 4.1.0 P03 ESX/ESXi 410-201107001-SG	433742	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	345043	341095	254719
ESX/ESXi 4.1.0 P02 ESX/ESXi410-201104001-SG	381591	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	345043	341095	254719
ESX/ESXi 4.1.0 Update 1 update-from-esx/esxi4.1-4.1_update01	348481	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	345043	341095	254719
ESX/ESXi 4.1.0 EP1 ESX/ESXi410-201011001	320092 320137	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	258902	256596	254719
ESX/ESXi 4.1.0 P01 ESX/ESXi410-201010001	320092	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	258902	256596	254719
ESX/ESXi 4.1.0 GA (includes all patches and updates)	260247	cross_cisco-vm-v144-4.2.1.1.5.2.0-2.0.1.vib	VEM410-201208144101-BG(Online) VEM410-20120803144401.zip (Offline)	258902	256596	254719

1. After installing VMware patches, verify the ESX software build number on the ESX server console. For more information, see the [“Identifying the Build Number on Your Host Server”](#) section on page 10.
2. VIB files are available at <http://www.vmware.com/patch/download>.
3. VMware bundled software updates require placing the host in maintenance mode.

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VMware Version Compatibility

Important Customer Update

In order to improve customer support for the 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.

Table 6 lists the VMware components version for Cisco Nexus 1000V.

Table 6 VMware Version Compatibility for Cisco Nexus 1000V

Cisco Nexus 1000V Version	VMware vCenter Server Version (includes patches and updates)	VMware vCloud Director Version (includes patches and updates)	VMware vShield Manager Version (includes patches and updates)
Release 4.2(1)SV1(5.2)	4.1, 5.0, 5.1	1.5.1, 5.1	5.0.1, 5.0.2, 5.1



Note

Cisco Nexus 1000V Release 4.2(1)SV1(5.2) does not support any earlier versions of the VMware components listed in the above table.

Table 7 lists the VMware vCloud director and vShield Manager compatibility version for Cisco Nexus 1000V

Table 7 vCloud Director and vShield Manager Version Compatibility for Cisco Nexus 1000V

VMware Software Version	Build Number	Cisco Nexus 1000V Version		
		4.2(1)SV1(5.1)	4.2(1)SV1(5.1a)	4.2(1)SV1(5.2)
vCD 1.5.1	622844	Compatible ¹	Compatible	Compatible
vShield Manager 5.0.1	638924	Compatible ¹	Compatible	Compatible
vShield Manager 5.0.2	791471	Not Compatible	Compatible	Compatible

1. Only port group backed network pool is supported.

Table 8 lists the supported network pool in vCD with Cisco Nexus 1000V.

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Table 8 Supported Network Pool in vCloud Director for Cisco Nexus 1000V

VMware Software Version	Network Pool in vCD	Description	Cisco Nexus 1000V Version		
			4.2(1)SV1(5.2)	4.2(1)SV1(5.1a)	4.2(1)SV1(5.1)
vCD 1.5.1	Port Group Backed	Export group is a network	Supported	Supported	Supported
And					
vShield Manager 5.0.1	VLAN Backed	Can specify a range of VLANs in a vCD	Supported	Supported	Not Supported
	Network Isolation Backed	Cisco Nexus 1000V uses VXLAN for isolation-backed networks	Supported	Supported	Not Supported

Identifying the Build Number on Your Host Server

This section includes the following procedures:

- [“Identifying the Build Number for an ESX” procedure on page 10](#)
- [“Identifying the Build Number for an ESXi” procedure on page 10](#)

Identifying the Build Number for an ESX

To obtain the ESX VMware version and build number corresponding to your VMware software release, run the following commands at the shell prompt:

vmware -v

Example:

```
[root@hostname ~] # vmware -v
VMware ESX 4.1.0 build-260247
```

rpm -qa | grep vmkernel | awk -F. '{print \$5}'

Example:

```
[root@hostname ~] # rpm -qa | grep vmkernel | awk -F. '{print $5}'
502767
```

Identifying the Build Number for an ESXi

To obtain the ESXi build number corresponding to your VMware software release, enter the following command at the shell prompt:

vmware -v

Example for ESXi 4.0.0:

```
~ # vmware -v
VMware ESXi 4.1.0 build-502767
```

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Related Documentation

This section lists the documents used with the Cisco Nexus 1000V and available on [Cisco.com](http://www.cisco.com) at the following URL:

http://www.cisco.com/en/US/products/ps9902/tsd_products_support_series_home.html

General Information

Cisco Nexus 1000V Documentation Roadmap, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Release Notes, Release 4.2(1)SVI(5.2)

Cisco Nexus 1000V Compatibility Information, Release 4.2(1)SVI(5.2)

Cisco Nexus 1010 Management Software Release Notes, Release 4.2(1)SP1(4a)

Install and Upgrade

Cisco Nexus 1000V Installation and Upgrade Guide, Release 4.2(1)SVI(5.2)

Cisco Nexus 1010 Virtual Services Appliance Hardware Installation Guide

Cisco Nexus 1010 Software Installation and Upgrade Guide, Release 4.2(1)SP1(4a)

Configuration Guides

Cisco Nexus 1000V High Availability and Redundancy Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Interface Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Layer 2 Switching Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V License Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Network Segmentation Manager Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Port Profile Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V Quality of Service Configuration Guide, Release 4.2(1)SVI(5.2)

Cisco Nexus 1000V Security Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V System Management Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V VXLAN Configuration Guide, Release 4.2(1)SVI(5.1)

Cisco Nexus 1010 Software Configuration Guide, Release 4.2(1)SP1(4)

Programming Guide

Cisco Nexus 1000V XML API User Guide, Release 4.2(1)SVI(5.1)

Reference Guides

Cisco Nexus 1000V Command Reference, Release 4.2(1)SVI(5.1)

Cisco Nexus 1000V MIB Quick Reference

Cisco Nexus 1010 Command Reference, Release 4.2(1)SP1(4)

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Troubleshooting and Alerts

Cisco Nexus 1000V Troubleshooting Guide, Release 4.2(1)SV1(5.1)

Cisco Nexus 1000V Password Recovery Guide

Cisco NX-OS System Messages Reference

Virtual Security Gateway Documentation

Cisco Virtual Security Gateway for Nexus 1000V Series Switch

Virtual Network Management Center

Cisco Virtual Network Management Center

Virtual Wide Area Application Services (vWAAS)

Cisco Virtual Wide Area Application Services (vWAAS)

Network Analysis Module Documentation

Cisco Prime Network Analysis Module Software Documentation Guide, 5.1

Cisco Prime Network Analysis Module (NAM) for Nexus 1010 Installation and Configuration Guide, 5.1

Cisco Prime Network Analysis Module Command Reference Guide 5.1

Cisco Prime Network Analysis Module Software 5.1 Release Notes

Cisco Prime Network Analysis Module Software 5.1 User Guide

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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