



V Commands

This chapter describes the Cisco Nexus 1000V commands that begin with the letter V.

vem

To configure a Virtual Ethernet Module (VEM) and enter VEM slot configuration mode, use the **vem** command. To remove a VEM configuration, use the **no** form of this command.

vem *module-number* [- *module-number*]

no vem *module-number* [- *module-number*]

Syntax Description	<i>module-number</i> Specifies a module number. The range of valid values is 3 to 66.				
Defaults	None				
Command Modes	Global Configuration (config)				
Supported User Roles	network-admin				
Command History	<table><tr><th>Release</th><th>Modification</th></tr><tr><td>4.0(4)SV1(1)</td><td>This command was introduced.</td></tr></table>	Release	Modification	4.0(4)SV1(1)	This command was introduced.
Release	Modification				
4.0(4)SV1(1)	This command was introduced.				
Usage Guidelines	Specify a range of VEMs by using a dash. For example, 3-9 or 20-30.				
Examples	This example shows how to create a VEM and enter the VEM slot configuration mode: <pre>n1000v# configure terminal n1000v(config)# vem 10</pre>				

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```
n1000v(config-vem-slot)#
```

This example shows how to remove a VEM:

```
n1000v# configure terminal
n1000v(config)# no vem 10
n1000v(config)#
```

Related Commands

Command	Description
show module vem	Displays information about the VEM module.

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version 9

To designate NetFlow export version 9 in the NetFlow exporter, use the **version 9** command. To remove version 9, use the **no version 9** form of this command.

version 9

no version 9

Syntax Description	This command has no arguments or keywords.
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Defaults	None
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Command Modes	NetFlow flow exporter (config-flow-exporter)
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Supported User Roles	network-admin
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Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

Examples	This example shows how to configure version 9 for a Netflow flow exporter:
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```
n1000v# config t
n1000v(config)# flow exporter ExportTest
n1000v(config-flow-exporter)# version 9
n1000v(config-flow-exporter-version-9)#
```

This example shows how to remove version 9 from the Netflow flow exporter:

```
n1000v# config t
n1000v(config)# flow exporter ExportTest
n1000v(config-flow-exporter)# version 9
n1000v(config-flow-exporter-version-9)# no version 9
n1000v(config-flow-exporter)#
```

Related Commands	Command	Description
	option exporter-stats timeout	Specifies a timeout resend period for NetFlow flow exporter data.
	option interface-table timeout	Specifies a timeout resend period for the NetFlow flow exporter interface table.

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Command	Description
template data timeout	Specifies a timeout resend period for NetFlow flow exporter template data.
flow exporter	Creates a Flexible NetFlow flow exporter.
flow record	Creates a Flexible NetFlow flow record.
flow monitor	Creates a Flexible NetFlow flow monitor.
show flow exporter	Displays information about the NetFlow flow exporter.
show flow record	Displays information about NetFlow flow records.
show flow monitor	Displays information about the NetFlow flow monitor.

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vlan

To create a VLAN and enter the VLAN configuration mode, use the **vlan** command. To remove a VLAN, use the **no** form of this command.

vlan {*id* | **dot1Q tag native**}

no vlan {*id* | **dot1Q tag native**}

Syntax Description	<i>id</i>	VLAN identification number. The range of valid values is 1 to 4094.
	dot1Q tag native	Specifies an IEEE 802.1Q virtual LAN.

Defaults	The default VLAN is VLAN 1.
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Command Modes	Global Configuration (config)
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Supported User Roles	network-admin
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Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.

Usage Guidelines	Specify a VLAN range by using a dash. For example, 1-9 or 20-30.
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Examples	This example shows how to create a VLAN and enter the VLAN configuration mode:
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```
n1000v# configure terminal
n1000v(config)# vlan 10
n1000v(config-vlan)#
```

This example shows how to remove a VLAN:

```
n1000v# configure terminal
n1000v(config)# no vlan 10
n1000v(config)#
```

Related Commands	Command	Description
	show vlan	Displays VTP VLAN status.

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vmware dvs datacenter-name

To create a VMware virtual switch, use the **vmware dvs datacenter-name** command. To remove the virtual switch, use the **no** form of this command.

vmware dvs datacenter-name *name*

no vmware dvs

Syntax Description	<i>name</i> Switch name.						
Defaults	None						
Command Modes	SVS connection configuration (config-svs-conn)						
Supported User Roles	network-admin						
Command History	<table> <tr> <th>Release</th><th>Modification</th></tr> <tr> <td>4.0(4)SV1(1)</td><td>This command was introduced.</td></tr> </table>	Release	Modification	4.0(4)SV1(1)	This command was introduced.		
Release	Modification						
4.0(4)SV1(1)	This command was introduced.						
Usage Guidelines	To create a virtual switch, you must be in the SVS connection configuration mode. Use the svs connection command to create a connection and enter that mode. The number of SVS connections that can be created is limited to one.						
Examples	This example shows how to create a VMware virtual switch: <pre>n1000v# configure terminal n1000v(config)# svs connect s1 n1000v(config-svs-conn)# vmware dvs datacenter-name dc1 n1000v(config-svs-conn)#</pre> This example shows how to remove a VMware virtual switch: <pre>n1000v# configure terminal n1000v(config)# svs connect s1v n1000v(config-svs-conn)# no vmware dvs datacenter-name dc1 n1000v(config-svs-conn)#</pre>						
Related Commands	<table> <tr> <th>Command</th><th>Description</th></tr> <tr> <td>show svs</td><td>Displays SVS information.</td></tr> <tr> <td>show vmware</td><td>Displays VMware information.</td></tr> </table>	Command	Description	show svs	Displays SVS information.	show vmware	Displays VMware information.
Command	Description						
show svs	Displays SVS information.						
show vmware	Displays VMware information.						

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vmware max-ports

To create the maximum number of ports for the VMware port profile, use the **vmware max-ports** command. To remove the maximum port configuration, use the **no** form of this command.

vmware max-ports *number*

no vmware max-ports *number*

Syntax Description	<i>number</i> Specifies the maximum number of ports. The range of valid values is 1 to 1024.	
Defaults	32 ports	
Command Modes	Port profile configuration (config-port-prof)	
Supported User Roles	network-admin	
Command History	Release	Modification
	4.0(4)SV1(1)	This command was introduced.
Usage Guidelines	To specify the maximum number of VMware ports to configure, you must be in port profile configuration mode.	
Examples	This example shows how to set the maximum number of VMware ports in a port profile: n1000v# configure terminal n1000v(config)# port-profile testprofile n1000v(config-port-prof)# vmware max-ports 100 n1000v(config-port-prof)#	
	This example shows how to remove the maximum VMware ports configuration: n1000v# configure terminal n1000v(config)# port-profile testprofile n1000v(config-port-prof)# no vmware max-ports 100 n1000v(config-port-prof)#	
Related Commands	Command	Description
	show port-profile name	Displays configuration information about a particular port-profile.

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vmware port-group

To create a VMware port group, use the **vmware port-group** command. To remove the VMware port group, use the **no** form of this command.

vmware port-group *name*

no vmware port-group *name*

Syntax Description	<i>name</i> Specifies the name of the VMware port group.					
Defaults	None					
Command Modes	Port profile configuration (config-port-prof)					
SupportedUserRoles	network-admin					
Command History	<table><tr><th>Release</th><th>Modification</th></tr><tr><td>4.0(4)SV1(1)</td><td>This command was introduced.</td></tr></table>		Release	Modification	4.0(4)SV1(1)	This command was introduced.
Release	Modification					
4.0(4)SV1(1)	This command was introduced.					
Usage Guidelines	To create the VMware port group, you must be in port profile configuration mode.					
Examples	This example shows how to create a VMware port group: <pre>n1000v# configure terminal n1000v(config)# port-profile testprofile n1000v(config-port-prof)# vmware port-group testgroup n1000v(config-port-prof)#</pre> This example shows how to remove the VMware port group: <pre>n1000v# configure terminal n1000v(config)# port-profile testprofile n1000v(config-port-prof)# no vmware port-group testgroup n1000v(config-port-prof)#</pre>					
Related Commands	<table><tr><th>Command</th><th>Description</th></tr><tr><td>show port-profile name</td><td>Displays configuration information about a particular port-profile.</td></tr></table>		Command	Description	show port-profile name	Displays configuration information about a particular port-profile.
Command	Description					
show port-profile name	Displays configuration information about a particular port-profile.					

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vmware vc extension-key

To create an extension key, use the **vmware vc extension-key** command.

vmware vc extension-key *key*

Syntax Description	<i>key</i> Extension key number. The range of valid values is 1 to 80.				
Defaults	The key does not exist.				
Command Modes	Global Configuration (config)				
Supported User Roles	network-admin				
Command History	<table><tr><th>Release</th><th>Modification</th></tr><tr><td>4.0(4)SV1(1)</td><td>This command was introduced.</td></tr></table>	Release	Modification	4.0(4)SV1(1)	This command was introduced.
Release	Modification				
4.0(4)SV1(1)	This command was introduced.				
Usage Guidelines	An extension key is used to connect to an instance of Virtual Center.				
Examples	This example shows how to create an extension key: <pre>n1000v# configure terminal n1000v(config)# vmware vc extension-key 10 n1000v(config)#</pre>				
Related Commands	<table><tr><th>Command</th><th>Description</th></tr><tr><td>show vmware vc extension-key</td><td>Displays extension key information.</td></tr></table>	Command	Description	show vmware vc extension-key	Displays extension key information.
Command	Description				
show vmware vc extension-key	Displays extension key information.				

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