



# H Commands

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This chapter describes the Cisco NX-OS interface commands that begin with H.

# hardware multicast hw-hash

To use hardware hashing for multicast traffic on an EtherChannel interface, use the **hardware multicast hw-hash** command. To restore the defaults, use the **no** form of this command.

**hardware multicast hw-hash**

**no hardware multicast hw-hash**

<b>Syntax Description</b>	This command has no arguments or keywords.
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<b>Command Default</b>	The software selection method is used for multicast traffic.
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<b>Command Modes</b>	Interface configuration mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

<b>Usage Guidelines</b>	By default, ingress multicast traffic on any port in the switch selects a particular EtherChannel member to egress the traffic. To reduce potential issues with the bandwidth and to provide effective load balancing of the ingress multicast traffic, hardware hashing is used for multicast traffic.
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**Note**

Hardware hashing is not available on a Cisco Nexus 2000 Series Fabric Extender HIF port (downlink port).
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<b>Examples</b>	This example shows how to set the hardware hashing for multicast traffic on an EtherChannel interface:
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```
switch(config)# interface port-channel 21
switch(config-if)# hardware multicast hw-hash
switch(config-if)#
```

This example shows how to restore the default software selection method for multicast traffic on an EtherChannel interface:

```
switch(config)# interface port-channel 21
switch(config-if)# hardware multicast hw-hash
switch(config-if)# no hardware multicast hw-hash
switch(config-if)#
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show interface port-channel</b>	Displays the status of the EtherChannel interface configuration.

# high-performance host-netio (virtual Ethernet interface)

To turn on high performance on the host, use the **high-performance host-netio** command. To disable high performance, use the **no** form of this command.

**high-performance host-netio**

**no high-performance host-netio**

<b>Syntax Description</b>	This command has no arguments or keywords.
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<b>Command Default</b>	Disabled
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<b>Command Modes</b>	Virtual Ethernet interface configuration mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

<b>Usage Guidelines</b>	This command does not require a license.
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<b>Examples</b>	This example shows how to enable high performance on the host:
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```
switch# configure terminal
switch(config)# interface vethernet 1
switch(config-if)# high-performance host-netio
switch(config-if)#
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show interface vethernet</b>	Displays virtual Ethernet interface configuration information.
	<b>show running-config interface</b>	Displays the running configuration information for an interface.

■ high-performance host-netio (virtual Ethernet interface)