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## Show Commands

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This chapter describes the Cisco NX-OS Virtual Router Redundancy Protocol (VRRP) **show** commands.

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## show vrrp

To show information about the Virtual Router Redundancy Protocol (VRRP), use the **show vrrp** command.

```
show vrrp [detail | statistics | summary] [interface if-number] [vr id] [backup | init | master]
```

### Syntax Description

<b>detail</b>	(Optional) Displays detailed information about VRRP.
<b>statistics</b>	(Optional) Displays VRRP statistics.
<b>summary</b>	(Optional) Displays the VRRP summary.
<b>interface</b> <i>if-number</i>	(Optional) Displays information about VRRP on an interface. Use ? to see a list of supported interfaces.
<b>vr</b> <i>id</i>	(Optional) Displays information about VRRP for a group. The <i>id</i> range is from 1 to 255.
<b>backup</b>	(Optional) Displays information about VRRP groups in the backup state.
<b>init</b>	(Optional) Displays information about VRRP groups in the init state.
<b>master</b>	(Optional) Displays information about VRRP groups in the master state.

### Command Default

Display information for all VRRP groups.

### Command Modes

Any command mode

### Command History

Release	Modification
5.0(3)N1(1)	This command was introduced.

### Examples

This example shows how to display information about VRRP:

```
switch(config)# show vrrp
      Interface  VR IpVersion Pri   Time Pre State   VR IP addr
-----
      Ethernet1/5  1  IPV4    200  200 s  Y    Init    192.0.1.10

switch(config)#
```

This example shows how to display the detailed configuration information about VRRP:

```
switch(config)# show vrrp detail

Ethernet1/5 - Group 1 (IPV4)
  State is Init(Administratively down)
  Virtual IP address is 192.0.1.10
  Priority 200, Configured 200
  Forwarding threshold(for VPC), lower: 1 upper: 200
  Advertisement interval 200
  Preemption enabled
  Virtual MAC address is 0000.5e00.0101
  Master router is Unknown
```

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```
switch(config)#
```

This example shows how to display information about a specific virtual router:

```
switch# show vrrp vr 1
      Interface VR IpVersion Pri   Time Pre State   VR IP addr
-----
      Ethernet1/5  1  IPV4   200 200 s  Y   Init   192.0.1.10
switch#
```

Table 1 describes the significant fields shown in the display.

**Table 1** *show vrrp Field Descriptions*

Field	Description
Interface	Interface on which VRRP is configured.
VR	ID of the virtual router.
IPVersion	IP address on the interface.
Pri	Priority range of the virtual router.
Time	Checksum of the complete contents of the link state advertisement.
Pre	Preemption state of the virtual router.
State	VRRP group state. The state can be one of the following: <ul style="list-style-type: none"> <li>• Init</li> <li>• Backup</li> <li>• Master</li> </ul>
VR IP addr	Virtual IPv4 address for a VRRP group.

#### Related Commands

Command	Description
<b>clear vrrp</b>	Clears VRRP statistics.
<b>feature vrrp</b>	Enables the VRRP feature.
<b>vrrp</b>	Creates a virtual router group.

■ show vrrp

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