Show Commands

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

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

detail	(Optional) Displays detailed information about VRRP.
statistics	(Optional) Displays VRRP statistics.
summary	(Optional) Displays the VRRP summary.
interface *if-number*	(Optional) Displays information about VRRP on an interface. Use **?** to see a list of supported interfaces.
vr *id*	(Optional) Displays information about VRRP for a group. The *id* range is from 1 to 255.
backup	(Optional) Displays information about VRRP groups in the backup state.
init	(Optional) Displays information about VRRP groups in the init state.
master	(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
5.2(1)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
```

```
switch(config)#
```

This example shows how to displayinformation 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: • Init • Backup • Master
VR IP addr	Virtual IPv4 address for a VRRP group.

Related Commands

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

show vrrp