



## Show Commands

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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

|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| <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                 |
|-------------|------------------------------|
| 6.0(2)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 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. |

