Show Commands

This chapter describes the Cisco NX-OS Routing Information Protocol (RIP) **show** commands.

show ip rip

To display the configuration and status of the Routing Information Protocol (RIP), use the **show ip rip** command in any mode.

show ip rip [*instance-tag*] [**vrf** *vrf-name*]

Syntax Description		
	instance-tag	(Optional) RIP instance. The instance tag can be a maximum of 20 alphanumeric characters.
	vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default   No default behavior or values

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 the RIP configuration information:

```
switch(config-if)# show ip rip
```

Related Commands	Command	Description
	show ip rip interface	Displays RIP information for an interface.
	show ip rip neighbor	Displays RIP neighbor information.
	show ip rip policy statistics	Displays RIP policy statistics.
	show ip rip route	Displays RIP route information.
	show ip rip statistics	Displays RIP statistics.

show ip rip interface

To display interface entry information from the Routing Information Protocol (RIP) topology table, use the **show ip rip interface** command in any mode.

> **show ip rip interface** [*type slot/port*] [**vrf** *vrf-name*]

Syntax Description		
interface *type slot/port*	(Optional) Specifies the interface.	
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.	

Command Default   This command has no default settings.

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 the neighbor information for a specified interface from the RIP topology table:

```
switch(config-if)# show ip rip interface ethernet 1/2
```

Related Commands	Command	Description
	show ip rip	Displays RIP information.
	show ip rip neighbor	Displays RIP neighbor information.
	show ip rip policy statistics	Displays RIP policy statistics.
	show ip rip route	Displays RIP route information.
	show ip rip statistics	Displays RIP statistics.

show ip rip neighbor

To display the neighbor information from the Routing Information Protocol (RIP) topology table, use the **show ip rip neighbor** command in any mode.

show ip rip neighbor [*interface-type instance*] [**vrf** *vrf-name*]

Syntax Description		
	interface-type	(Optional) Interface type. For more information, use the question mark (**?**) online help function.
	instance	(Optional) Either a physical interface instance or a virtual interface instance.
	vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default   No default behavior or values

Command Modes   Any command mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Examples   The following is sample output from the **show rip neighbor** command:

```
switch(config-if)# show ip rip neighbor
```

Related Commands	Command	Description
	show ip rip	Displays RIP information.
	show ip rip interface	Displays RIP information for an interface.
	show ip rip policy statistics	Displays RIP policy statistics.
	show ip rip route	Displays RIP route information.
	show ip rip statistics	Displays RIP statistics.

show ip rip policy statistics

To display the policy statistics for the Routing Information Protocol (RIP), use the **show ip rip policy statistics** command in any mode.

show ip rip policy statistics redistribute {**bgp** *id* | **direct** | **eigrp** *id* | **ospf** *id* | **static**} [**vrf** *vrf-name*]

Syntax Description

bgp	Displays policy statistics for the Border Gateway Protocol (BGP).
direct	Displays policy statistics for directly connected routes only.
eigrp	Displays policy statistics for Enhanced Interior Gateway Routing Protocol (EIGRP).
ospf	Displays policy statistics for Open Shortest Path First (OSPF) protocol.
static	Displays policy statistics for IP static routes.
id	For the **bgp** keyword, an autonomous system number. The range for 2-byte numbers is from 1 to 65535. The range for 4-byte numbers is from 1.0 to 65535.65535.
	For the **eigrp** keyword, an EIGRP instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco Nexus 6000 stores it internally as a string.
	For the **ospf** keyword, an OSPF instance name from which routes are to be redistributed. The value takes the form of a string. You can enter a decimal number, but Cisco Nexus 6000 stores it internally as a string.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default   No default behavior or values.

Command Modes   Any command mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Examples   This example shows how to show policy statistics for EIGRP:

```
switch# show ip rip policy statistics redistribute eigrp 201
```

Related Commands	Command	Description
	clear ip rip policy statistics	Clears policy statistics for RIP.
	show ip rip	Displays RIP information.
	show ip rip interface	Displays RIP information for an interface.
	show ip rip neighbor	Displays RIP information for a neighbor.
	show ip rip route	Displays RIP route information.
	show ip rip statistics	Displays RIP statistics.

show ip rip route

To display route information from the Routing Information Protocol (RIP) topology table, use the **show ip rip route** command in any mode.

> **show ip rip route** [*prefix/length*] [**summary**] [**vrf** *vrf-name*]

Syntax Description

prefix/length	(Optional) IP prefix about which routing information should be displayed.
summary	(Optional) Displays information about summary routes.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default   No default behavior or values

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 route information from the RIP topology table:

```
switch# show ip rip route
```

Related Commands

Command	Description
show ip rip	Displays RIP information.
show ip rip interface	Displays RIP information for an interface.
show ip rip neighbor	Displays RIP information for a neighbor.
show ip rip policy statistics	Displays policy statistics for RIP.
show ip rip statistics	Displays RIP statistics.

show ip rip statistics

To display statistical entry information from the Routing Information Protocol (RIP) topology table, use the **show ip rip statistics** command in any mode.

show ip rip statistics [*interface-type instance*] [**vrf** *vrf-name*]

Syntax Description

interface-type	(Optional) Interface type. For more information, use the question mark (**?**) online help function.
instance	(Optional) Either a physical interface instance or a virtual interface instance.
vrf *vrf-name*	(Optional) Specifies the name of the virtual routing and forwarding (VRF) instance. The *vrf-name* argument can be specified as any case-sensitive, alphanumeric string up to 32 characters. The strings "default" and "all" are reserved VRF names.

Command Default   No default behavior or values.

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 the RIP statistics:

```
switch# show ip rip statistics
```

Related Commands

Command	Description
show ip rip	Displays RIP information.
show ip rip interface	Displays RIP information for an interface.
show ip rip neighbor	Displays RIP information for a neighbor.
show ip rip policy statistics	Displays policy statistics for RIP.
show ip rip route	Displays RIP route information.