NOTE: The IPv6 RIP configuration level is present only on HP devices that support IPv6.

**distance**

Configures an administrative distance for IPv6 RIP routes learned by an HP device that supports IPv6. Changing the administrative distance influences the device's decision to select one route over another based on the source of the route information. The device prefers the route with the lower administrative distance.

**EXAMPLE:**

To change the administrative distances for IPv6 RIP routes to 100, enter a command such as the following:

```
ProCurveRS(config-ripng-router)# distance 100
```

**Syntax:** distance <number>

The `<number>` parameter specifies the administrative distance for the IPv6 RIP route. You can specify a value from 1 – 255.

To reset the administrative distance of an IPv6 RIP route, enter the `no` form of this command.

**Possible values:** See above.

**Default value:** 120

**distribute-list**

Applies an IPv6 prefix list to IPv6 RIP routing updates that are received or sent on an interface of an HP device that supports IPv6. Applying an IPv6 prefix list to IPv6 RIP routing updates allows you to control the distribution of routes via IPv6 RIP.

**EXAMPLE:**

To permit the inclusion of routes with the prefix 2001:/16 in IPv6 RIP routing updates sent from Ethernet interface 1, enter commands such as the following:

```
ProCurveRS(config)# ipv6 prefix-list routesfor2001 permit 2001::/16
ProCurveRS(config)# ipv6 router rip
ProCurveRS(config-ripng-router)# distribute-list prefix-list routesfor2001 out ethernet 1
```

To deny prefix lengths greater than 64 bits in routes that have the prefix 3EE0:A99::/64 and allow all other routes received on tunnel interface 1, enter commands such as the following:

```
ProCurveRS(config)# ipv6 prefix-list 3ee0routes deny 3ee0:a99::/64 le 128
ProCurveRS(config)# ipv6 prefix-list 3ee0routes permit ::/0 ge 0 le 128
```
ProCurveRS(config)# ipv6 router rip
ProCurveRS(config-ripng-router)# distribute-list prefix-list 3ee0routes in tunnel 1

**Syntax:** [no] distribute-list prefix-list <name> in | out ethernet <port-number> | loopback <number> | ve <number> | tunnel <number>

The <name> parameter indicates the name of the prefix list generated using the `ipv6 prefix-list` command.

The `in` keyword indicates that the prefix list is applied to incoming routing updates on the specified interface.

The `out` keyword indicates that the prefix list is applied to outgoing routing updates on the specified interface.

The `ethernet <port-number> | loopback <number> | ve <number> | tunnel <number>` parameter indicates the interface over which the affected IPv6 RIP updates are received or sent. If you specify an Ethernet interface, also specify the port number associated with the interface. If you specify a loopback, VE, or tunnel interface, also specify the loopback, VE, or tunnel number.

To remove the distribution list, use the `no` form of this command.

**Possible values:** See above.

**Default value:** N/A

**end**

Moves activity to the privileged EXEC level from any level of the CLI except the user EXEC level.

**EXAMPLE:**

To move to the privileged EXEC level of the CLI, enter the following from any level of the CLI.

ProCurveRS(config-ripng-router)# end
ProCurveRS#

**Syntax:** end

**Possible values:** N/A

**Default value:** N/A

**exit**

Moves activity up one level from the current level. In this case, activity will be moved to the global CONFIG level.

**EXAMPLE:**

ProCurveRS(config-ripng-router)# exit
ProCurveRS(config)#

**Syntax:** exit [to config]

The optional `to config` keywords moves activity up to the global CONFIG level.

**Possible values:** See above

**Default value:** N/A

**no**

Disables other commands. To disable a command, place the word `no` before the command.

**poison-local-routes**

Enables an IPv6 RIP router to send a triggered update containing the local routes of a disabled interface with an unreachable metric of 16 to the other IPv6 RIP routers in the routing domain.

**EXAMPLE:**

ProCurveRS(config-ripng-router)# poison-local-routes

**Syntax:** [no] poison-local-routes

To disable the sending of a triggered update, use the `no` version of this command.
Possible values: See above.

Default value: If an IPv6 RIP interface goes down, the IPv6 RIP router does not send a triggered update for the interface’s IPv6 networks.

**poison-reverse**

Enables poison reverse on an IPv6 RIP router.

If poison reverse is enabled, IPv6 RIP advertises routes it learns from a particular interface over that same interface with a metric of 16, which means that the route is unreachable. If poison reverse is enabled on the IPv6 RIP router, it takes precedence over split horizon (if it is also enabled).

**EXAMPLE:**

```
ProCurveRS(config-ripng-router)# poison-reverse
```

**Syntax:** [no] poison-reverse

To disable poison-reverse, use the **no** version of this command.

**Possible values:** See above.

**Default value:** Poison reverse is disabled on an IPv6 RIP router.

**quit**

Returns you from any level of the CLI to the User EXEC level of the CLI.

**EXAMPLE:**

```
ProCurveRS(config-ripng-router)# quit
ProCurveRS>
```

**Syntax:** quit

**Possible values:** N/A

**Default value:** N/A

**redistribute**

Configures the HP device that supports IPv6 to redistribute routes from the following sources into IPv6 RIP:

- IPv6 static routes.
- Directly connected IPv6 networks.
- IPv6 BGP.
- OSPF version 3.

When you redistribute a route from IPv6 BGP, or OSPF version 3 into IPv6 RIP, the HP device can use IPv6 RIP to advertise the route to its IPv6 RIP neighbors.

**EXAMPLE:**

To redistribute OSPF version 3 routes into IPv6 RIP, enter a command such as the following:

```
ProCurveRS(config-ripng-router)# redistribute ospf
```

**Syntax:** redistribute bgp | connected | isis | ospf | static [metric <number>]

The **bgp** keyword redistributes IPv6 BGP routes into IPv6 RIP.

The **connected** keyword redistributes directly connected IPv6 routes into IPv6 RIP.

The **ospf** keyword redistributes OSPF version 3 routes into IPv6 RIP.

The **static** keyword redistributes IPv6 static routes into IPv6 RIP.

The optional **metric** <number> parameter specifies a metric for the redistributed routes. Specify a numerical value that is consistent with IPv6 RIP. If you do not explicitly configure a metric, the default metric value of one is used.

**Possible values:** See above.
**Default value:** The HP device does not redistribute routes from these sources.

**show**
Displays configuration and statistical information about the IPv6 RIP router. See “Show Commands” on page 40-1.

**timers**
Updates the IPv6 timers:

- **Update** – Amount of time (in seconds) between IPv6 RIP routing updates.
- **Timeout** – Amount of time (in seconds) after which a route is considered unreachable.
- **Hold-down** – Amount of time (in seconds) during which information about other paths is ignored.
- **Garbage-collection** – Amount of time (in seconds) after which a route is removed from the routing table.

You can adjust these timers for IPv6 RIP. Before doing so, keep the following caveats in mind:

- If you adjust these IPv6 RIP timers, HP strongly recommends setting the same timer values for all routers and access servers in the network.
- Setting the update timer to a shorter interval can cause the routers to spend excessive time updating the IPv6 route table.
- HP recommends setting the timeout timer value to at least three times the value of the update timer.
- HP recommends a shorter hold-down timer interval, because a longer interval can cause delays in IPv6 RIP convergence.

**EXAMPLE:**
The following example sets updates to be broadcast every 45 seconds. If a route is not heard from in 135 seconds, the route is declared unusable. Further information is suppressed for an additional 10 seconds. Assuming no updates, the route is flushed from the routing table 20 seconds after the end of the hold-down period.

```
ProCurveRS(config-ripng-router)# timers 45 135 10 20
```

**Syntax:**
```
[no] timers <update-timer> <timeout-timer> <hold-down-timer> <garbage-collection-timer>
```

For the `<update-timer>` parameter, you can specify a value between 3 – 65535 seconds.

For the `<timeout-timer>`, `<hold-down-timer>`, and `<garbage-collection-timer>` parameters, you can specify a value between 9 – 65535 seconds.

**NOTE:** You must enter a value for each timer, even if you want to retain the current setting of a particular timer.

To return to the default values of the IPv6 RIP timers, use the **no** form of this command.

**Possible values:** See above

**Default value:** Update timer: 30 seconds. Timeout and hold-down timers: 180 seconds. Garbage-collection timer: 120 seconds.

**write memory**
Saves the running configuration into the startup-config file.

**EXAMPLE:**
```
ProCurveRS(config-ripng-router)# write memory
```

**Syntax:** write memory

**Possible values:** N/A

**Default value:** N/A

**write terminal**
Displays the running configuration of the HP device on the terminal screen.
NOTE: This command is equivalent to the `show running-config` command.

EXAMPLE:

ProCurveRS(config-ripng-router)# write terminal

Syntax: write terminal

Possible values: N/A

Default value: N/A