
RIP Command Reference

Command Hierarchies

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Configuration Commands

```

config
  — router router-name
    — [no] rip
      — authentication-key [authentication-key | hash-key] [hash | hash2]
      — no authentication-key
      — authentication-type {none | password | message-digest | message-digest-20}
      — no authentication-type
      — check-zero {enable | disable}
      — no check-zero
      — description string
      — no description
      — export policy-name [policy-name ... (up to 5 max)]
      — no export
      — export-limit number [log percentage]
      — no export-limit
      — import policy-name [policy-name ... (up to 5 max)]
      — no import
      — message-size max-num-of-routes
      — no message-size
      — metric-in metric
      — no metric-in
      — metric-out metric
      — no metric-out
      — preference preference
      — no preference
      — receive receive-type
      — no receive
      — send send-type
      — no send
      — [no] shutdown

```

Command Hierarchies

- **split-horizon** {enable | disable}
- **no split-horizon**
- **timers** *update timeout flush*
- **no timers**

Group Commands

- config
 - **router** *router-name*
 - **[no] rip**
 - **[no] group** *group-name*
 - **authentication-key** [*authentication-key* | *hash-key*] [**hash** | **hash2**]
 - **no authentication-key**
 - **authentication-type** {**none** | **password** | **message-digest** | **message-digest-20**}
 - **no authentication-type**
 - **check-zero** {enable | disable}
 - **no check-zero**
 - **description** *description-string*
 - **no description**
 - **export** *policy-name* [*policy-name* ... (up to 5 max)]
 - **no export**
 - **import** *policy-name* [*policy-name* ... (up to 5 max)]
 - **no import**
 - **message-size** *max-num-of-routes*
 - **no message-size**
 - **metric-in** *metric*
 - **no metric-in**
 - **metric-out** *metric*
 - **no metric-out**
 - **preference** *preference*
 - **no preference**
 - **receive** *receive-type*
 - **no receive**
 - **send** *send-type*
 - **no send**
 - **[no] shutdown**
 - **split-horizon** {enable | disable}
 - **no split-horizon**
 - **timers** *update timeout flush*
 - **no timers**

Neighbor Commands

```

config
  — router router-name
    — [no] rip
      — [no] group group-name
        — [no] neighbor ip-int-name
          — authentication-key [authentication-key | hash-key] [hash | hash2]
          — no authentication-key
          — authentication-type {none | password | message-digest}
          — no authentication-type
          — check-zero {enable | disable}
          — no check-zero
          — description description-string
          — no description
          — export policy-name [policy-name ... (up to 5 max)]
          — no export
          — import policy-name [policy-name ... (up to 5 max)]
          — no import
          — message-size max-num-of-routes
          — no message-size
          — metric-in metric
          — no metric-in
          — metric-out metric
          — no metric-out
          — preference preference
          — no preference
          — receive receive-type
          — no receive
          — send send-type
          — no send
          — [no] shutdown
          — split-horizon {enable | disable}
          — no split-horizon
          — timers update timeout flush
          — no timers

```

RIPng Configuration Commands

- config**
 - **router** *router-name*
 - **[no] ripng**
 - **check-zero** {enable | disable}
 - **no check-zero**
 - **description** *string*
 - **no description**
 - **export** *policy-name* [*policy-name* ...(up to 5 max)]
 - **no export**
 - **export-limit** *number* [**log** *percentage*]
 - **no export-limit**
 - **import** *policy-name* [*policy-name* ...(up to 5 max)]
 - **no import**
 - **message-size** *max-num-of-routes*
 - **no message-size**
 - **metric-in** *metric*
 - **no metric-in**
 - **metric-out** *metric*
 - **no metric-out**
 - **preference** *preference*
 - **no preference**
 - **receive** *receive-type*
 - **no receive**
 - **send** *send-type*
 - **no send**
 - **[no] shutdown**
 - **split-horizon** {enable | disable}
 - **no split-horizon**
 - **timers** *update timeout flush*
 - **no timers**

Group Commands

```

config
  — router router-name
    — [no] ripng
      — [no] group group-name
        — check-zero {enable | disable}
        — no check-zero
        — description description-string
        — no description
        — export policy-name [policy-name ...(up to 5 max)]
        — no export
        — import policy-name [policy-name ...(up to 5 max)]
        — no import
        — message-size max-num-of-routes
        — no message-size
        — metric-in metric
        — no metric-in
        — metric-out metric
        — no metric-out
        — preference preference
        — no preference
        — receive receive-type
        — no receive
        — send send-type
        — no send
        — [no] shutdown
        — split-horizon {enable | disable}
        — no split-horizon
        — timers update timeout flush
        — no timers

```

Command Hierarchies

Neighbor Commands

```
config
  — router router-name
    — [no] ripng
      — [no] group group-name
        — [no] neighbor ip-int-name
          — check-zero {enable | disable}
          — no check-zero
          — description description-string
          — no description
          — export policy-name [policy-name ...(up to 5 max)]
          — no export
          — import policy-name [policy-name ...(up to 5 max)]
          — no import
          — message-size max-num-of-routes
          — no message-size
          — metric-in metric
          — no metric-in
          — metric-out metric
          — no metric-out
          — preference preference
          — no preference
          — receive receive-type
          — no receive
          — send send-type
          — no send
          — [no] shutdown
          — split-horizon {enable | disable}
          — no split-horizon
          — timers update timeout flush
          — no timers
          — [no] unicast-address ipv6-address
```

Show RIP Commands

```

show
  — router
    — rip
    — ripng
      — database [ip-prefix [/i>mask] [longer] [peer ip-address] [detail]
      — group [name] [detail]
      — neighbors [ip-int-name | ip-addr] [detail] [advertised-routes]
      — peer [interface-name]
      — statistics [ip-int-name | ip-addr]

```

Clear RIP Commands

```

clear
  — router
    — rip
    — ripng
      — database
      — statistics [neighbor ip-int-name | ip-addr]

```

Debug RIP Commands

```

debug
  — router
    — rip
      — [no] auth [neighbor ip-int-name | ip-addr]
      — [no] error [neighbor ip-int-name | ip-addr]
      — [no] events [neighbor ip-int-name | ip-addr]
      — [no] holddown [neighbor ip-int-name | ip-addr]
      — [no] packets [neighbor ip-int-name | ip-addr]
      — [no] request [neighbor ip-int-name | ip-addr]
      — [no] trigger [neighbor ip-int-name | ip-addr]
      — [no] updates [neighbor ip-int-name | ip-addr]
    — debug
      — router
        — ripng
          — [no] error [neighbor ip-int-name | ip-addr]
          — [no] events [neighbor ip-int-name | ip-addr]
          — [no] holddown [neighbor ip-int-name | ip-addr]
          — [no] packets [neighbor ip-int-name | ip-addr]
          — [no] request [neighbor ip-int-name | ip-addr]
          — [no] trigger [neighbor ip-int-name | ip-addr]
          — [no] updates [neighbor ip-int-name | ip-addr]

```

