
VRRP Command Reference

Command Hierarchies

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IPv4 Interface Commands

```

config
  — router
    — [no] interface interface-name
      — vrrp virtual-router-id [owner] *
      — no vrrp virtual-router-id
        — authentication-key [authentication-key | hash-key] [hash | hash2]
        — no authentication-key
        — [no] backup ip-address
        — [no] bfd-enable service-id interface interface-name dst-ip ip-address
        — [no] bfd-enable interface interface-name dst-ip ip-address
        — init-delay seconds
        — no init-delay
        — mac mac-address
        — no mac
        — [no] master-int-inherit
        — message-interval {[seconds] [milliseconds milliseconds]}
        — no message-interval
        — [no] ping-reply
        — policy policy-id
        — no policy
        — [no] preempt
        — priority priority
        — no priority
        — [no] ssh-reply
        — [no] standby-forwarding
        — [no] telnet-reply
        — [no] shutdown
        — [no] traceroute-reply

```

* Note that VRRP commands are applicable to router interfaces, IES interfaces and VPRN, The **authentication-key**, **bfd-enable**, and **ssh-reply** commands are applicable only to IPv4 contexts, not IPv6.

Router Interface Commands

```

config
  — router [router-name]
    — [no] interface ip-int-name
      — [no] ipv6
        — address ipv6-address/prefix-length [eui-64]
        — no address ipv6-address/prefix-length
        — icmp6
          — packet-too-big [number seconds]
          — no packet-too-big
          — param-problem [number seconds]
          — no param-problem
          — redirects [number seconds]
          — no redirects
          — time-exceeded [number seconds]
          — no time-exceeded
          — unreachables [number seconds]
          — no unreachables
        — link-local-address ipv6-address [preferred]
        — no link-local-address
        — [no] local-proxy-nd
        — neighbor ipv6-address [mac-address]
        — no neighbor ipv6-address
        — proxy-nd-policy policy-name [policy-name...(up to 5 max)]
        — no proxy-nd-policy

```

IPv6 Interface Commands

```

config
  — router [router-name]
    — [no] interface ip-int-name
      — [no] ipv6
        — vrrp virtual-router-id [owner]
        — no vrrp virtual-router-id
          — [no] backup ipv6-address
          — [no] bfd-enable service-id interface interface-name dst-ip ip-address
          — [no] bfd-enable interface interface-name dst-ip ip-address
          — init-delay seconds
          — no init-delay
          — mac mac-address
          — no mac
          — [no] master-int-inherit
          — message-interval {[seconds] [milliseconds milliseconds]}
          — no message-interval
          — [no] ping-reply
          — policy vrrp-policy-id
          — no policy
          — [no] preempt
          — priority priority
          — no priority
          — [no] shutdown
          — [no] standby-forwarding
          — [no] telnet-reply
          — [no] traceroute-reply

```

Priority Control Event Policy Commands

```

config
  — vrrp
    — [no] policy policy-id [context service-id]
      — delta-in-use-limit limit
      — no delta-in-use-limit
      — description description string
      — no description
      — [no] priority-event
        — [no] host-unreachable ip-address
        — [no] host-unreachable ipv6-address
          — drop-count consecutive-failures
          — no drop-count
          — hold-clear seconds
          — no hold-clear
          — hold-set seconds
          — no hold-set
          — interval seconds
          — no interval
          — padding-size size
          — no padding-size
          — priority priority-level [{delta | explicit}]
          — no priority

```

- **timeout** *seconds*
- **no timeout**
- **[no] lag-port-down** *lag-id*
 - **hold-clear** *seconds*
 - **no hold-clear**
 - **hold-set** *seconds*
 - **no hold-set**
 - **[no] number-down** *number-of-lag-ports-down*
 - **priority** *priority-level* [**delta** | **explicit**]
 - **no priority**
 - **weight-down** *lag-ports-down-weight*
 - **no weight-down**
- **mc-ipsec-non-forwarding** *tunnel-grp-id*
- **[no] port-down** *port-id*
 - **hold-clear** *seconds*
 - **no hold-clear**
 - **hold-set** *seconds*
 - **no hold-set**
 - **priority** *priority-level* [**delta** | **explicit**]
 - **no priority**
- **[no] route-unknown** *ip-prefix/mask*
 - **hold-clear** *seconds*
 - **no hold-clear**
 - **hold-set** *seconds*
 - **no hold-set**
 - **less-specific** [**allow-default**]
 - **no less-specific**
 - **[no] next-hop** *ip-address*
 - **priority** *priority-level* [**delta** | **explicit**]
 - **no priority**
 - **protocol** *protocol*
 - **no protocol**[*protocol*]
 - **[no] protocol** **bgp**
 - **[no] protocol** **bgp -vpn**
 - **[no] protocol** **ospf**
 - **[no] protocol** **isis**
 - **[no] protocol** **rip**
 - **[no] protocol** **static**
- **[no] shutdown**

Show Commands

```
show
  — vrrp
    — policy [policy-id [event event-type specific-qualifier]]
  — router
    — vrrp
      — instance
      — instance [interface interface-name [vrid virtual-router-id]]
      — instance interface interface-name vrid virtual-router-id ipv6
      — statistics
```

Monitor Commands

```
monitor
  — router
    — vrrp
      — instance interface interface-name vr-id virtual-router-id [ipv6] [interval seconds] [repeat repeat] [absolute | rate]
```

Clear Commands

```
clear
  — vrrp
    — statistics
  — router
    — vrrp
      — interface ip-int-name [vrid virtual-router-id]
      — interface ip-int-name vrid virtual-router-id ipv6
      — statistics interface interface-name [vrid virtual-router-id]
      — statistics
      — statistics interface interface-name vrid virtual-router-id ipv6
```

Debug Commands

```
debug
  — router
    — vrrp
      — events
      — events interface ip-int-name [vrid virtual-router-id]
      — events interface ip-int-name vrid virtual-router-id ipv6
      — no events
      — no events interface ip-int-name [vrid virtual-router-id]
      — no events interface ip-int-name vrid virtual-router-id ipv6
      — packets
      — packets interface ip-int-name [vrid virtual-router-id]
      — packets interface ip-int-name vrid virtual-router-id ipv6
      — no packets
      — no packets interface ip-int-name [vrid virtual-router-id]
      — no packets interface ip-int-name vrid virtual-router-id ipv6
```