VRRP Command Reference

Command Hierarchies

Configuration Commands

VRRP Network Interface Commands

config
 — **router**
  — [**no**] **interface** *interface-name*
   — **address** {*ip-address/mask* | *ip-address netmask*} [**broadcast** *all-ones* | *host-ones*]
   — **no address**
   — [**no**] **allow-directed-broadcasts**
   — **arp-timeout** *seconds*
   — **no arp-timeout**
   — **description** *description-string*
   — **no description**
   — **secondary** {*ip-address/mask* | ***ip-address*** *netmask*} [**broadcast** *all-ones* | *host-ones*] [**igp-inhibit**]
   — **no secondary** {*ip-address/mask* | ***ip-address*** *netmask*}
   — [**no**] **shutdown**
   — **static-arp** *ip-address ieee-address*
   — [**no**] **static-arp** *ip-address*
   — **tos-marking-state** {**trusted** | **untrusted**}
   — **no tos-marking-state**
   — **unnumbered** [*ip-int-name* | *ip-address*]
   — **no unnumbered**
   — **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**, **authentication-type**, **bfd-enable**, and **ssh-reply** commands are applicable
only to IPv4 contexts, not IPv6.

Router Interface IPv6 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
```

Router Interface IPv6 VRRP 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**

VRRP 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**
— **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**

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**