

# set protocols vrrp interface vif vrid load-balance virtual-mac time-interval

The **set protocols vrrp interface vif vrid load-balance virtual-mac time-interval** command sets the interval at which the VRRP device sends virtual MAC update packets.

**NOTE:**

This command applies to both VRRPv2 and VRRPv3 configuration.

## Command Syntax

**set protocols vrrp interface** *<interface-name>* **vif** *<vif-name>* **vrid** *<virtual-router-id>* **load-balance virtual-mac time-interval** *<interval-value>*

## Parameter

Parameter	Description
<b>interface</b> <i>&lt;interface-name&gt;</i>	Specifies the Layer 3 interface name of VRRP device. The value is a string.
<b>vif</b> <i>&lt;vif-name&gt;</i>	Specifies the VLAN interface name. The value is a string.
<b>vrid</b> <i>&lt;virtual-router-id&gt;</i>	Specifies the VRID of a VRRP group. The value is an integer that ranges from 1 to 254.
<b>time-interval</b> <i>&lt;interval-value&gt;</i>	Specifies the interval at which the VRRP device sends virtual MAC update packets. The value is an integer, in seconds, the value ranges from 60 to 14400. The default value 120s.

## Usage Guidelines

To notify the downstream device of the virtual MAC, the master and backup devices send periodic virtual MAC update messages. The virtual MAC address in Active-Active VRRP mode is used in the Ethernet header of virtual MAC update packet as the source MAC address. The connected network devices of the VRRP group refresh their MAC entries in time in order to forward packets.

## Example

- Set the interval of sending virtual MAC update packets to 80 seconds.

```
admin@Xorplus# set protocols vrrp interface vlan100 vif vlan100 vrid 2 load-balance virtual-mac time-interval 80
admin@Xorplus# commit
```