# set protocols vrrp interface vif vrid md5-key

The **set protocols vrrp interface vif vrid md5-key** command configures the authentication key in MD5 authentication mode for a VRRP group.

> **NOTE:**
>
> VRRP authentication is only supported by VRRPv2, which is not supported by VRRPv3.

**Command Syntax**

**set protocols vrrp interface** <*interface-name*> **vif** <*vif-name*> **vrid** <*virtual-router-id*> **md5-key** <*md5-key*>

**Parameter**

| Parameter | Description |
|---|---|
| **interface** <*interface-name*> | Specifies the Layer 3 interface name of VRRP device. The value is a string. |
| **vif** <*vif-name*> | Specifies the VLAN interface name. The value is a string. |
| **vrid** <*virtual-router-id*> | Specifies the VRID of a VRRP group. The value is an integer that ranges from 1 to 254. |
| **md5-key** <*md5-key*> | Specifies the authentication key in MD5 authentication mode. The value is a string of 1 to 16 case-sensitive characters without spaces. |

**Usage Guidelines**

> **NOTE:**
>
> Devices in a VRRP group must be configured with the same authentication mode and authentication key; otherwise, the VRRP group cannot negotiate the Master and Backup states.

**Example**

- Configure the authentication key in MD5 authentication mode for a VRRP group.

```
admin@Xorplus# set protocols vrrp interface vlan100 vif vlan100 vrid 2 md5-key picos123
admin@Xorplus# commit
```