

Comware V7 VRRP NETCONF XML API Configuration Reference

Contents

VRRP	1
VRRP/VRRPOper	1
XML structure	1
Table description	1
Columns	1
VRRP/VRRPAssolpAddr	2
XML structure	2
Table description	3
Columns	3
VRRP/VRRPTrack	4
XML structure	4
Table description	4
Columns	4
VRRP/VRRPInterface	5
XML structure	5
Table description	6
Columns	6

VRRP

VRRP/VRRPOper

This table contains VRRP operation information.

XML structure

```
<VRRP>
  <VRRPOper>
    <Operation>
      <AddressType></AddressType>
      <IfIndex></IfIndex>
      <VrID></VrID>
      <PriorityConfig></PriorityConfig>
      <AuthTypeConfig></AuthTypeConfig>
      <AuthKey></AuthKey>
      <AdverInterval></AdverInterval>
      <PreemptMode></PreemptMode>
      <PreemptDelay></PreemptDelay>
    </Operation>
  </VRRPOper>
</VRRP>
```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPOper
Table type	Multi-instance table
Row name	Operation
Restrictions	Only supported on Layer 3 interfaces
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AddressType	Address type	Index	Enumeration: • 0—IPv4. • 1—IPv6.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
VrID	Virtual router ID	Index	Unsigned integer. Value range: 1 to 255.	The value range depends on the device model.
PriorityConfig	Priority of virtual router	N/A	Unsigned integer. Value range: 1 to 254. Default: 100.	A larger value indicates a higher priority.
AuthTypeConfig	Authentication type	N/A	Enumeration: 1—Simple password. 2—Authentication header.	By default, no authentication is specified for VRRP. IPv6 VRRP does not support authentication configuration. Both AuthTypeConfig and AuthKey must be configured for the merge, create, replace, delete and remove operations.
AuthKey	Authentication key	N/A	String, case-sensitive. Length: 1 to 8 characters.	Only plaintext password is supported. AuthKey cannot be configured when no AuthTypeConfig is configured.
AdverInterval	Advertisement interval	N/A	Unsigned integer. Value range: 10 to 4095. Default: 100.	The unit is centiseconds.
PreemptMode	Preempt mode	N/A	Enumeration: 1—Preemptive mode. 2—Non-preemptive mode. Default: preemptive mode.	For the merge, create, and replace operations, configure the preemptive mode and the preemption delay, or configure the non-preemptive mode without the preemption delay. Both the preempt mode and preemption delay must be configured for the delete and remove operations.
PreemptDelay	Preemption delay	N/A	Unsigned integer. Value range: 0 to 180000. Default: 0.	The unit is centiseconds. The default value is 0, which means to preempt immediately.

VRRP/VRRPAssolpAddr

This table contains information about VRRP associated addresses.

XML structure

```

<VRRP>
  <VRRPAssolpAddress>
    <AssolpAddr>

```

```

    <AddressType></AddressType>
    <IfIndex></IfIndex>
    <VrID></VrID>
    <IpAddress></IpAddress>
    <LinkLocal></LinkLocal>
  </AssoIpAddr>
</VRRPAssoIpAddress>
</VRRP>

```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPAssoIpAddress
Table type	Multi-instance table
Row name	AssoIpAddr
Restrictions	Only supported on Layer 3 interfaces
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AddressType	Address type	Index	Enumeration: 0—IPv4. 1—IPv6.	N/A
IfIndex	Interface index	Index	Unsigned integer.	N/A
VrID	Virtual router ID	Index	Unsigned integer. Value range: 1 to 255.	The value range depends on the device model.
IpAddress	VRRP virtual IP address	Index	String, dotted decimal notation. Or Hexadecimal string, colon-separated.	For example, 1.1.1.1, or 1::1.
LinkLocal	LinkLocal keyword.	N/A	Boolean: - true. - false.	For the merge, create, and replace operations, you cannot configure the LinkLocal keyword when the VRRP virtual IP address is an IPv4 address. You must configure the LinkLocal keyword when the VRRP virtual IP address is an IPv6 address. When the IPv6 address is a link-local address, set the

Column name	Column description	Column type	Data type and restrictions	Remarks
				value to true . Otherwise, set the value to false . For the delete and remove operations, the LinkLocal keyword cannot be configured.

VRRP/VRRPTrack

This table contains information about VRRP Track.

XML structure

```

<VRRP>
  <VRRPTrack>
    <Track>
      <AddressType></AddressType>
      <IfIndex></IfIndex>
      <VrID></VrID>
      <TrackID></TrackID>
      <TrackMode></TrackMode>
      <ReducePriority></ReducePriority>
    </Track>
  </VRRPTrack>
</VRRP>

```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPTrack
Table type	Multi-instance table
Row name	Track
Restrictions	Only supported on Layer 3 interfaces
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AddressTy	Address type	Index	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
pe			0—IPv4. 1—IPv6.	
IfIndex	Interface index	Index	Unsigned integer.	N/A
VrID	Virtual router ID	Index	Unsigned integer. Value range: 1 to 255.	The value range depends on the device model.
TrackID	Track ID	Index	Unsigned integer. Value range: 1 to 1024.	N/A
TrackMode	Track mode	Index	Enumeration: 1—Switchover. 2—Priority reduced.	For reduced mode: when the track switches to Negative, reduce the VRRP priority of local router. For switchover mode: when the track switches to Negative, if local router's VRRP state is Backup, switch to Master at once.
ReducePriority	Value of reduced priority	N/A	Unsigned integer. Value range: 1 to 255.	ReducePriority cannot be configured when TrackMode is switchover . The default value is 10 when TrackMode is priority reduced .

VRRP/VRRPInterface

This table contains information about VRRP interfaces.

XML structure

```

<VRRP>
  <VRRPInterface>
    <Interface>
      <IfIndex></IfIndex>
      <Ipv4Dot1QVLANID></Ipv4Dot1QVLANID>
      <Ipv4SecondDot1QVLANID></Ipv4SecondDot1QVLANID>
      <Ipv4Version></Ipv4Version>
    </Interface>
  </VRRPInterface>
</VRRP>

```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPInterface
Table type	Multi-instance table
Row name	Interface
Restrictions	Only supported on Layer 3 interfaces
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	IPv4 VRRP control VLAN configuration takes effect on only Layer 3 Ethernet subinterfaces and aggregate subinterfaces.
Ipv4Dot1QVLANID	Outer VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.	For the delete and remove operations, if you configure the outer VLAN ID, you must also configure the inner VLAN ID.
Ipv4SecondDot1QVLANID	Inner VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.	For the merge, create, and replace operations, you must configure both the outer VLAN ID and inner VLAN ID.
Ipv4Version	IPv4 VRRP version.	N/A	Enumeration: • 2—VRRPv2. • 3—VRRPv3. Default: VRRPv3.	N/A