

Comware V7 VRRP NETCONF XML API Data Reference

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VRRP

VRRP/Base

This table contains VRRP operation table.

XML structure

```
<VRRP>
  <VRRPOper>
    <Operation>
      <AddressType></AddressType>
      <IfIndex></IfIndex>
      <VrID></VrID>
      <OperState></OperState>
      <PriorityConfig></PriorityConfig>
      <PriorityRun></PriorityRun>
      <IpAddressCount></IpAddressCount>
      <MasterIpAddress></MasterIpAddress>
      <AuthTypeConfig></AuthTypeConfig>
      <AuthTypeRun></AuthTypeRun>
      <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

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.
OperState	Virtual router state	N/A	Enumeration: 0—Inactive. 1—Initialize. 2—Backup. 3—Master.	N/A
PriorityConfig	Configured priority of virtual router	N/A	Unsigned integer. Value range: 1 to 254. Default: 100.	A larger value indicates a higher priority.
PriorityRun	Running priority of virtual router	N/A	Unsigned integer. Value range: 0 to 255.	The larger value indicates higher priority.
IPAddressCount	Count of associated addresses	N/A	Unsigned integer. Value range: 0 to 16.	N/A
MasterIpAddress	IP address of the Master router	N/A	String, dotted decimal notation. Or Hexadecimal string, colon-separated.	For example, 1.1.1.1, or 1::1.
AuthTypeConfig	Configured authentication type	N/A	Enumeration: 0—no authentication 1—Simple password 2—Authentication header.	N/A
AuthTypeRun	Running authentication type	N/A	Enumeration: 0—no authentication 1—Simple Password 2—Authentication header.	The value is 0 for VRRPv3
AdverInterval	Advertisement interval	N/A	Unsigned integer. Value range: 10 to 4095.	The unit is centiseconds.
PreemptMode	Preempt mode	N/A	Enumeration: 1—Preemptive mode. 2—Non-preemptive mode. Default: preemptive mode.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PreemptDelay	Preemption delay	N/A	Unsigned integer. Value range: 0 to 180000.	The unit is centiseconds. The default value is 0, which means to preempt immediately. If PreemptMode is non-preemptive mode, this value cannot be obtained.

VRRP/VRRPAssolpAddr

This table contains information about VRRP associated IP addresses.

XML structure

```

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

```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPAssolpAddr
Table type	Multi-instance table
Row name	AssolpAddr
Restrictions	Only supported on Layer 3 interfaces

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	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.	If IpAddress is IPv4 address, this value cannot be obtained.

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

Item	Description
Table type	Multi-instance table
Row name	Track
Restrictions	Only supported on Layer 3 interfaces

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.
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.	If TrackMode is switchover, this value cannot be obtained.

VRRP/VRRPInterface

This table contains VRRP interface information.

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

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.	This value cannot be obtained if it's not configured.
Ipv4SecondDot1QVLANID	Inner VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.	This value cannot be obtained if it's not configured.
Ipv4Version	IPv4 VRRP version.	N/A	Enumeration: • 2—VRRPv2. • 3—VRRPv3.	N/A

VRRP/VRRPSpecification

This table contains VRRP specification information.

XML structure

```

<VRRP>
  <VRRPSpecification>
    <MaxVrID></MaxVrID>
  </VRRPSpecification>
</VRRP>

```



```
</VRRPSpecification>  
</VRRP>
```

Table description

Item	Description
Feature name	VRRP
Table name	VRRPSpecification
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxVrID	Maximum value of virtual router ID	N/A	Unsigned integer. Value range: 1 to 255.	N/A