

Comware V7 RIP NETCONF XML API Configuration Reference

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RIP

RIP/Instances

This table contains RIP instances information.

XML structure

```
<RIP>
  <Instances>
    <Instance>
      <Name></Name>
      <VRF></VRF>
    </Instance>
  </Instances>
</RIP>
```

Table description

Item	Description
Feature name	RIP
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	Only unsigned integer ranging from 1 to 65535 is supported now.
VRF	Vrf name.	N/A	String. Length: 1 to 31 characters.	After an instance is created, its VRF cannot be modified.

RIP/Networks

This table contains RIP network lists information.

XML structure

```
<RIP>
  <Networks>
    <Network>
      <Name></Name>
      <NetworkAddr></NetworkAddr>
      <WildcardMask></WildcardMask>
    </Network>
  </Networks>
</RIP>
```

Table description

Item	Description
Feature name	RIP
Table name	Networks
Table type	Multi-instance table
Row name	Network
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an Instance first before you merge or create networks for it. Only unsigned integer ranging from 1 to 65535 is supported now.
NetworkAddr	Network address.	Index	String, dotted decimal notation.	N/A
WildcardMask	Wildcard mask.	N/A	String, dotted decimal notation.	N/A

RIP/Redistributes

This table contains RIP redistribute lists information.

XML structure

```
<RIP>
  <Redistributes>
    <Redist>
      <Name></Name>
      <Protocol></Protocol>
      <RedistName></RedistName>
    </Redist>
  </Redistributes>
</RIP>
```

Table description

Item	Description
Feature name	RIP
Table name	Redistributes
Table type	Multi-instance table
Row name	Redist
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance first before you merge or create redistribute lists for it. Only unsigned integer ranging from 1 to 65535 is supported now.
Protocol	Redistribute protocol.	Index	Enumeration: • 1—Direct • 2—Static • 3—RIP	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			4—OSPF 5—ISIS 6—BGP	
RedistName	Redistribute instance name.	Index	String. Length: 1 to 31 characters.	It must be empty when the Protocol column is Direct, Static or BGP.

RIP/Interfaces

This table contains RIP Interfaces information.

XML structure

```

<RIP>
  <Interfaces>
    <If>
      <IfIndex></IfIndex>
      <Version></Version>
      <IfEnable>
        <Name></Name>
        <ExcludedSubIp></ExcludedSubIp>
      </IfEnable>
      <Input></Input>
      <Output></Output>
      <Authentication>
        <AuthType></AuthType>
        <PasswordType></PasswordType>
        <Password></Password>
        <KeyId></KeyId>
      </Authentication>
    </If>
  </Interfaces>
</RIP>

```

Table description

Item	Description
Feature name	RIP
Table name	Interfaces
Table type	Multi-instance table
Row name	If

Item	Description
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	N/A
Version	Interface version.	N/A	Enumeration: 1—RIPv1 2—RIPv2 3—RIPv2 Broadcast	N/A
IfEnable	Interface enable messages.	N/A	Members include: - Name. - ExcludedSubIp.	N/A
Name	Instance name.	N/A	String. Length: 1 to 31 characters.	Only unsigned integer ranging from 1 to 65535 is supported now.
ExcludedSubIp	Whether to exclude secondary IP addresses.	N/A	Boolean: true—Exclude secondary IP addresses. false—Does not exclude secondary IP addresses(default).	N/A
Input	Whether to receive RIP packets.	N/A	Boolean: - true—Receive RIP packets (default). - false—Does not receive RIP packets.	N/A
Output	Whether to send RIP packets.	N/A	Boolean: - true—Send RIP packets (default). - false—Does not send RIP packets.	N/A
Authentication	Authentication messages.	N/A	Members include: - AuthType. - PasswordType. - Password. - KeyId.	The members of AuthType, PasswordType and Password must be specified. If AuthType column is Md5Rfc2082, KeyId must be specified.

Column name	Column description	Column type	Data type and restrictions	Remarks
AuthType	Authentication type.	N/A	Enumeration: • 1—Simple. • 2—Md5Rfc2082. • 3—Md5Rfc2453.	N/A
PasswordType	Password type.	N/A	Enumeration: • 1—Ciphertext. • 2—Plaintext.	N/A
Password	Password.	N/A	String. Length: • 1 to 16 characters for plain password. • 33 to 53 characters for cipher password.	N/A
KeyId	Key ID.	N/A	Unsigned integer. Value range: 1 to 255.	This column is available when the AuthType column is Md5Rfc2082. It must be empty when the AuthType column is Simple or Md5Rfc2453.