

Comware V7 StaticRoute NETCONF XML API Configuration Reference

Contents

StaticRoute	1
StaticRoute/Ipv4StaticRouteConfigurations	1
XML structure	1
Table description	1
Columns	2
StaticRoute/Ipv6StaticRouteConfigurations	3
XML structure	3
Table description	4
Columns	4

StaticRoute

StaticRoute/Ipv4StaticRouteConfigurations

This table contains IPv4 static route configuration information.

XML structure

```
<StaticRoute>
  <Ipv4StaticRouteConfigurations>
    <RouteEntry>
      <DestVrfIndex></DestVrfIndex>
      <DestTopologyIndex></DestTopologyIndex>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <NextHopVrfIndex></NextHopVrfIndex>
      <NextHopIpv4Address></NextHopIpv4Address>
      <IfIndex></IfIndex>
      <Tag></Tag>
      <Preference></Preference>
      <Description></Description>
      <Permanent></Permanent>
      <BackupPathAttribute>
        <BackupIfIndex></BackupIfIndex>
        <BackupNextHopIpv4Address></BackupNextHopIpv4Address>
      </BackupPathAttribute>
      <BfdAttribute>
        <BfdWorkMode></BfdWorkMode>
        <BfdSourceIpv4Address></BfdSourceIpv4Address>
      </BfdAttribute>
    </RouteEntry>
  </Ipv4StaticRouteConfigurations>
</StaticRoute>
```

Table description

Item	Description
Feature name	StaticRoute
Table name	Ipv4StaticRouteConfigurations
Table type	Multi-instance table
Row name	RouteEntry
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DestVrfIndex	Destination VRF index.	index	Unsigned integer.	Public network index is 0.
DestTopologyIndex	Destination topology index.	index	Unsigned integer.	Public network index is 0.
Ipv4Address	Destination IPv4 address.	index	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	Length of the destination IPv4 address prefix.	index	Unsigned integer. Value range: 0 to 32.	N/A
NexthopVrfIndex	Nexthop VRF index.	index	Unsigned integer.	When the configuration including a valid ifIndex, NexthopVrfIndex should be set to the invalid VRF index 0xFFFF.
NexthopIpv4Address	Nexthop IPv4 address.	index	String, dotted decimal notation.	Example: 1.1.1.1. 0.0.0.0 is an invalid value.
IfIndex	Interface index.	index	Unsigned integer.	N/A
Tag	Route tag.	N/A	Unsigned integer. Value range: 1 to 4294967295.	Default value is 0.
Preference	Route preference.	N/A	Unsigned integer. Value range: 1 to 255.	Default value is 60.
Description	Description information.	N/A	String, case-sensitive. Length: 1 to 60 characters.	N/A
Permanent	Permanent attribute.	N/A	Boolean: - true—Permanent route. - false—Not a Permanent route.	Default value is false.
BackupPathAttribute	Backup path attribute.	Data structure	Members include: - BackupIfIndex. - BackupNexthopIpv4Address.	N/A
BackupIfIndex	Backup interface index.	N/A	Unsigned integer.	N/A
BackupNexthopIpv4Address	Backup nexthop IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. 0.0.0.0 is an invalid

Column name	Column description	Column type	Data type and restrictions	Remarks
				value.
BfdAttribute	BFD attribute.	Data structure	Members include: - BfdWorkMode. - BfdSourceIpv4Address.	N/A
BfdWorkMode	BFD work mode.	N/A	Enumeration: 1—Control-packet mode. 2—Echo-packet mode.	N/A
BfdSourceIpv4Address	BFD source IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. 0.0.0.0 is an invalid value.

StaticRoute/Ipv6StaticRouteConfigurations

This table contains IPv6 static route configuration information.

XML structure

```

<StaticRoute>
  <Ipv6StaticRouteConfigurations>
    <RouteEntry>
      <DestVrfIndex></DestVrfIndex>
      <DestTopologyIndex></DestTopologyIndex>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <NextHopVrfIndex></NextHopVrfIndex>
      <NextHopIpv6Address></NextHopIpv6Address>
      <IfIndex></IfIndex>
      <Tag></Tag>
      <Preference></Preference>
      <Description></Description>
      <Permanent></Permanent>
      <BfdAttribute>
        <BfdWorkMode></BfdWorkMode>
        <BfdSourceIpv6Address></BfdSourceIpv6Address>
      </BfdAttribute>
    </RouteEntry>
  </Ipv6StaticRouteConfigurations>
</StaticRoute>

```

Table description

Item	Description
Feature name	StaticRoute
Table name	Ipv6StaticRouteConfigurations
Table type	Multi-instance table
Row name	RouteEntry
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DestVrfIndex	Destination VRF index.	index	Unsigned integer.	Public network index is 0.
DestTopologyIndex	Destination topology index.	index	Unsigned integer.	Public network index is 0.
Ipv6Address	Destination IPv6 address.	index	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
Ipv6PrefixLength	Length of the destination IPv6 address prefix.	index	Unsigned integer. Value range: 0 to 128.	N/A
NextHopVrfIndex	Nexthop VRF index.	index	Unsigned integer.	When the configuration including a valid ifIndex, NextHopVrfIndex should be set to the invalid VRF index 0xFFFF.
NextHopIpv6Address	Nexthop IPv6 address.	index	Hexadecimal string, colon-separated.	Example: 1:1::1:1. 0::0 is an invalid value.
IfIndex	Interface index.	index	Unsigned integer.	N/A
Tag	Route tag.	N/A	Unsigned integer. Value range: 1 to 4294967295.	Default value is 0.
Preference	Route preference.	N/A	Unsigned integer. Value range: 1 to 255.	Default value is 60.
Description	Description information.	N/A	String, case-sensitive. Length: 1 to 60 characters.	N/A
Permanent	Permanent attribute.	N/A	Boolean: • true—Permanent route. • false—Not a Permanent	Default value is false.

Column name	Column description	Column type	Data type and restrictions	Remarks
			route.	
BfdAttribute	BFD attribute.	Data structure	Members include: • BfdWorkMode. • BfdSourceIpv6Address.	N/A
BfdWorkMode	BFD work mode.	N/A	Enumeration: • 1—Control-packet mode. • 2—Echo-packet mode.	N/A
BfdSourceIpv6Address	BFD source IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. 0::0 is an invalid value.