Contents

[StaticRoute 1](#_Toc464804996)

[StaticRoute/Ipv4StaticRouteConfigurations 1](#_Toc464804997)

[XML structure 1](#_Toc464804998)

[Table description 1](#_Toc464804999)

[Columns 2](#_Toc464805000)

[StaticRoute/Ipv4Group 3](#_Toc464805001)

[XML structure 3](#_Toc464805002)

[Table description 4](#_Toc464805003)

[Columns 4](#_Toc464805004)

[StaticRoute/Ipv4GroupPrefix 4](#_Toc464805005)

[XML structure 4](#_Toc464805006)

[Table description 4](#_Toc464805007)

[Columns 5](#_Toc464805008)

[StaticRoute/Ipv4StaticRouteGroup 5](#_Toc464805009)

[XML structure 5](#_Toc464805010)

[Table description 6](#_Toc464805011)

[Columns 6](#_Toc464805012)

[StaticRoute/Ipv6StaticRouteConfigurations 8](#_Toc464805013)

[XML structure 8](#_Toc464805014)

[Table description 8](#_Toc464805015)

[Columns 9](#_Toc464805016)

# 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>

<TrackEntryID></TrackEntryID>

</RouteEntry>

</Ipv4StaticRouteConfigurations>

</StaticRoute>

### Table description

| Item | Description |
| --- | --- |
| Feature name | StaticRoute |
| Table name | Ipv4StaticRouteConfigurations |
| 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. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| 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 includes a valid ifIndex，NexthopVrfIndex should be set to the invalid VRF index 0xFFFF. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| 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. | Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. |
| 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. | Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. |
| BackupNexthopIpv4Address | Backup nexthop IPv4 address. | N/A | String, dotted decimal notation. | Example: 1.1.1.1.  0.0.0.0 is an invalid 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. |
| TrackEntryID | Track entry ID. | N/A | Unsigned integer.  Value range: 1 to 1024. | N/A |

## StaticRoute/Ipv4Group

This table contains IPv4 group configuration information.

### XML structure

<StaticRoute>

<Ipv4Group>

<GroupEntry>

<Group></Group>

</GroupEntry>

</Ipv4Group>

</StaticRoute>

### Table description

| Item | Description |
| --- | --- |
| Feature name | StaticRoute |
| Table name | Ipv4Group |
| Table type | Multi-instance table |
| Row name | GroupEntry |
| Restrictions | None |
| Support for row creation and deletion | Yes |

### Columns

| Column name | Column description | Column type | Data type and restrictions | Remarks |
| --- | --- | --- | --- | --- |
| Group | Group name. | Index | String.  Length: 1 to 31 characters. | After a group is created, it cannot be modified. |

## StaticRoute/Ipv4GroupPrefix

This table contains IPv4 group prefix configuration information.

### XML structure

<StaticRoute>

<Ipv4GroupPrefix>

<GroupPrefixEntry>

<Group></Group>

<Ipv4Address></Ipv4Address>

<Ipv4PrefixLength></Ipv4PrefixLength>

</GroupPrefixEntry>

</Ipv4GroupPrefix>

</StaticRoute>

### Table description

| Item | Description |
| --- | --- |
| Feature name | StaticRoute |
| Table name | Ipv4GroupPrefix |
| Table type | Multi-instance table |
| Row name | Ipv4GroupPrefix |
| Restrictions | None |
| Support for row creation and deletion | Yes |

### Columns

| Column name | Column description | Column type | Data type and restrictions | Remarks |
| --- | --- | --- | --- | --- |
| Group | Group name. | Index | String.  Length: 1 to 31 characters. | After a group is created, it cannot be modified. |
| 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 |

## StaticRoute/Ipv4StaticRouteGroup

This table contains IPv4 static route group configuration information.

### XML structure

<StaticRoute>

<Ipv4StaticRouteGroup>

<RouteGroupEntry>

<DestVrfIndex></DestVrfIndex>

<DestTopologyIndex></DestTopologyIndex>

<Group></Group>

<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>

<TrackEntryID></TrackEntryID>

</RouteGroupEntry>

</Ipv4StaticRouteGroup>

</StaticRoute>

### Table description

| Item | Description |
| --- | --- |
| Feature name | StaticRoute |
| Table name | Ipv4StaticRouteGroup |
| Table type | Multi-instance table |
| Row name | RouteGroupEntry |
| 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. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| DestTopologyIndex | Destination topology index. | Index | Unsigned integer. | Public network index is 0. |
| Group | Group name. | Index | String.  Length: 1 to 31 characters. | After a group is created, it cannot be modified. |
| NexthopVrfIndex | Nexthop VRF index. | Index | Unsigned integer. | When the configuration includes a valid ifIndex，NexthopVrfIndex should be set to the invalid VRF index 0xFFFF. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| 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. | Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. |
| 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. | Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. |
| BackupNexthopIpv4Address | Backup nexthop IPv4 address. | N/A | String, dotted decimal notation. | Example: 1.1.1.1.  0.0.0.0 is an invalid 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. |
| TrackEntryID | Track entry ID. | N/A | Unsigned integer.  Value range: 1 to 1024. | N/A |

## 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. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| 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 includes a valid ifIndex，NexthopVrfIndex should be set to the invalid VRF index 0xFFFF. Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference. |
| 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. | Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. |
| 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. |
| 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. |