



## SRTE Flow-based Traffic Steering

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## Configuration Example for Flow Selection Based on ToS/DSCP and Timer-based ACL

```
switch# configure terminal
switch(config)# ip access-list I4_PORT
switch(config)# 10 permit ip any 5.5.0.0/16
switch(config)# 20 permit tcp any 5.5.0.0/16
switch(config)# ip access-list dscp
switch(config)# 10 permit tcp any 5.5.0.0/16 dscp af11
switch(config)# ip access-list acl1
switch(config)# 10 permit tcp any 5.5.0.0/16 eq www dscp af11
switch(config)# ip access-list acl1
switch(config-acl)# 10 permit tcp any 5.5.0.0/16 eq www dscp af11
switch(config-acl)# time-range t1
start 20:06:56 8 february 2021 end 20:10:56 8 february 2021
```

## Configuration Example for Route Map in Default VRF into a Policy Selected by Color and Endpoint

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set srte-policy color 121 endpoint 10.0.0.1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map-if)# ip policy route-map FLOW1
```

## Configuration Example for Route Map in Default VRF into a Policy Selected by Name

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set srte-policy name policy1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map-if)# ip policy route-map FLOW1
```

## Configuration Example for Route Map in Non-default VRF into a Policy Selected by Next hop, Color, and Endpoint

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set ip next-hop 5.5.5.5 srte-policy color 121 endpoint 10.0.0.1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map)# vrf member vrf1
switch(config-route-map-if)# ip policy route-map FLOW1
```

## Configuration Example for Route Map in Non-default VRF into a Policy Selected by Next hop and Color

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set ip next-hop 5.5.5.5 srte-policy color 121
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map)# vrf member vrf1
switch(config-route-map-if)# ip policy route-map FLOW1
```

## Configuration Example for Route Map in Non-default VRF into a Policy Selected by Next hop and Name

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
```

```
switch(config-route-map)# set ip next-hop 5.5.5.5 srte-policy policy1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map)# vrf member vrf1
switch(config-route-map-if)# ip policy route-map FLOW1
```

## Configuration Example for Route Map in Non-default VRF into a Policy Selected by Color and Endpoint

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set srte-policy color 121 endpoint 10.0.0.1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map)# vrf member vrf1
switch(config-route-map-if)# ip policy route-map FLOW1
switch(config)# feature bgp
switch(config)# router bgp 1.1
switch(config-router)# vrf vrf1
switch(config-router-vrf)# allocate-index 10
```

## Configuration Example for Route Map in Non-default VRF into a Policy Selected by Name

```
switch(config)# route-map FLOW1 seq 10
switch(config-route-map)# match ip address L4_PORT
switch(config-route-map)# set srte-policy policy1
switch(config-route-map)# interface ethernet 1/1
switch(config-route-map)# vrf member vrf1
switch(config-route-map-if)# ip policy route-map FLOW1
switch(config)# feature bgp
switch(config)# router bgp 1.1
switch(config-router)# vrf vrf1
switch(config-router-vrf)# allocate-index 10
```

## Verifying Configuration for Flow-based Traffic Steering for SRTE

To display the appropriate details about the flow-based steering for SRTE configuration, perform one of the following tasks:

**Table 1: Verifying Configuration for Flow-based Traffic Steering for SRTE**

Command	Purpose
<code>show srte policy</code>	Displays only the authorized policies.
<code>show srte policy [all]</code>	Displays the list of all policies available in the SR-TE.
<code>show srte policy [detail]</code>	Displays the detailed view of all the requested policies.

Command	Purpose
<b>show srte policy</b> <i>&lt;name&gt;</i>	Filters the SR-TE policy with the name and displays the list of all policies available with that name in the SR-TE.  <b>Note</b> This command has the autocomplete feature for the policy-name. To use this feature, add a question mark or press TAB.
<b>show srte policy color</b> <i>&lt;color&gt;</i> <b>endpoint</b> <i>&lt;endpoint&gt;</i>	Displays the SR-TE policy for the color and endpoint.  <b>Note</b> This command has the autocomplete feature for color and endpoint. To use this feature, add a question mark or press TAB.
<b>show route-map</b> [name]	Displays information about a route map.
<b>show forwarding mpls srte module</b>	Displays SRTE information in Forwarding Information Base - FIB module.