

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 L4_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 acll
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
show srte policy	Displays only the authorized policies.
show srte policy [**all**]	Displays the list of all policies available in the SR-TE.
show srte policy [**detail**]	Displays the detailed view of all the requested policies.

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