

知 How to distinguish the path relationship between main and backup for MPLS TE hot backup?

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Q: How to distinguish the path relationship between main and backup for MPLS TE hot backup?

A:

You can input the command "display mpls te tunnel path" to get each path's LSP ID. Generally, the min. ID is the main, and also can get back-up LSP ID through the command "display mpls te tunnel-interface"

```
<msr>display mpls te tunnel path
Tunnel Interface Name : Tunnel0
Lsp ID : 1.1.1.1 :0 //LSPID is 0, so it's the main
Hop Information
Hop 0 1.2.0.1
Hop 1 1.2.0.2 Label 1024
Hop 2 2.2.2.2
Hop 3 2.3.0.2
Hop 4 2.3.0.3 Label 3
Hop 5 3.3.3.3

Tunnel Interface Name : Tunnel0
Lsp ID : 1.1.1.1 :2048 //LSPID is 2048, so it's the backup.
Hop Information
Hop 0 1.4.0.1
Hop 1 1.4.0.4 Label 1024
Hop 2 4.4.4.4
Hop 3 3.4.0.4
Hop 4 3.4.0.3 Label 3
Hop 5 3.3.3.3

<msr>
<msr>display mpls te tunnel-interface
Tunnel Name : Tunnel0
Tunnel Desc : Tunnel0 Interface
Tunnel State Desc : Primary CR-LSP Up and HotBackup CR-LSP Up
Tunnel Attributes :
LSP ID : 1.1.1.1:0 //main path: LSP ID is 0
Session ID : 0
Admin State : UP Oper State : UP
Ingress LSR ID : 1.1.1.1 Egress LSR ID: 3.3.3.3
Signaling Prot : RSVP Resv Style : SE
Class Type : CLASS 0 Tunnel BW : 20 kbps
Reserved BW : 20 kbps
Setup Priority : 7 Hold Priority: 7
Affinity Prop/Mask : 0x0/0x0
Explicit Path Name : -
Tie-Breaking Policy : None
Metric Type : None
Loop Detection : Disabled
Record Route : Enabled Record Label : Enabled
FRR Flag : Disabled BackUpBW Flag: Not Supported
BackUpBW Type : - BackUpBW : -
Route Pinning : Disabled
Retry Limit : 5 Retry Interval: 10 sec
Reopt : Disabled Reopt Freq : -
Back Up Type : HotStandBy
Back Up LSPID : 1.1.1.1:2048 //backup path LSP ID is 2048
Auto BW : Disabled Auto BW Freq : -
```

Min BW : - Max BW : -

Current Collected BW: -

Interfaces Protected: -

VPN Bind Type : NONE

VPN Bind Value : -

Car Policy : Disabled

<msr>