###### 5.12.1 T-LDP

***Objective:***

Objective is to verify creation of a T-LDP session between PE nodes. Here it is assumed that LDP is already running on underlying IGP in the service provider network. **Please refer to Part 2 of CATP (SAOS-10.x.x-CATP\_Part2\_L3\_Protrocols\_Service\_Configuration) for LDP configuration.**

### ISIS, LDP



CE1

CE2

PE-1

P1

P2

PE-2

Loopback

18.2.2.2

Loopback

18.3.3.3

Customer

Service Provider

T-LDP Session between PE-Nodes

Customer

***Procedure: [Currently only default ldp instance is supported]***

* Go to the configuration terminal
  + config
* Enter the following command
  + ldp instance default lsr-id 18.2.2.2
* Enter the following command to add remote PE to the ldp instance
  + ldp instance default target-ldp peers 18.3.3.3
  + ldp instance default interfaces interface Loopback enable-ipv4 true
* Go back out of configuration terminal
  + exit

The above commands are just example to form T-LDP configuration at PE-1 and needs to be configured at both the PE’s.

* Check if the ldp session is established between the PE’s once the configuration is

performed at both PEs.

* + show ldp sessions

+

LDP SESSION STATE +

| Peer Address | Interface | Role | State | KeepAlive |TargetedLDP |

+ + + + + + +

| 18.7.7.7 | P1 | Passive | OPERATIONAL | 30 | No |

| 18.6.6.6 | P3 | Passive | OPERATIONAL | 30 | No |

| 18.2.2.2 | P1 | Passive | OPERATIONAL | 30 | Yes |

+ + + + + + +

* Enter the following command to remove T-LDP session between PE nodes
  + no ldp instance default target-ldp peers 18.3.3.3

Test Case Results:

Passed: Yes No Verified by Date/Time

Comments