###### Dynamic PWE – WTR

***Objective:***

Verify provisioning of WTR parameter.

***Procedure:***

* Go to the configuration terminal and provision the protected PWE.
  + config

pseudowires pseudowire PW1 mode spoke protect true role primary configured-pw peer-ip 192.168.28.24 pw-id 100

pseudowires pseudowire bkPW1 mode spoke protect true role backup primary-pw PW1 configured-pw peer-ip 192.168.28.78 pw-id 200

l2vpn-services l2vpn service1 signaling-type ldp pseudowire PW1

pseudowire bkPW1 forwarding-domain hvpls exit

exit

* Validate the PWE, note that PWE reversion is not set – ie: no reversion – even though the WTR is set to 30sec by default.

5144-0019-Node4> show pseudowires pseudowire PW1

+ PSEUDOWIRES STATE

+

| KEY | VALUE |

+ +

+

| PW Id | 100 |

| Name | PW1 |

| Peer IP | 192.168.28.24 |

| Oper State | DOWN |

| In Label | 52002 |

| Out Label | 52000 |

| Mode | Spoke |

| PW Role | Primary |

| PW Type | Dynamic |

| Service Type | ethernet |

| Protection State | passive |

| Remote PW Status | pseudowire-forwarding |

| Local PW Status | pseudowire-not-forwarding |

| Statistics Collection | Off |

| PW Load Balance | disabled |

| Operational Fat | None |

| Configured CW | non-preferred |

| Operational CW | OFF |

| Operational CC Type | cctype-4 |

| MTU | 1500 |

| Tunnel Type | OSPF-SR |

| Reversion Hold Time | 30 sec |

**| Configured PW-Reversion | none |**

| Manual Switchover | False |

| Ignore MTU Mismatch | False |

| MS-PW ID | NONE |

| MAC Withdraw | True |

| PW Fault Reason | no-fault |

| PW Status Local Refresh Timer | 600 sec |

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* Configure the primary PWE so that the PWE reversion is enabled, and the Reversion Hold Time (WTR) is set to 300sec.

pseudowires pseudowire PW1 pw-reversion enabled pseudowires pseudowire PW1 reversion-hold-time 300

* Validate pseudowire, now pseudowire will revert to primary PWE when the fault recovers and the WTR hold timer expires.

5144-0019-Node4> show pseudowires pseudowire PW1

+ PSEUDOWIRES STATE +

| KEY | VALUE |

+ + +

| PW Id | 100 |

| Name | PW1 |

| Peer IP | 192.168.28.24 |

| Oper State | UP |

| In Label | 52002 |

| Out Label | 52000 |

| Mode | Spoke |

| PW Role | Primary |

| PW Type | Dynamic |

| Service Type | ethernet |

| Protection State | active |

| Remote PW Status | pseudowire-forwarding |

| Local PW Status | pseudowire-forwarding |

| Statistics Collection | Off |

| PW Load Balance | disabled |

| Operational Fat | None |

| Configured CW | non-preferred |

| Operational CW | OFF |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| | | Operational CC | Type | | | | cctype-4 | | |
| |  |  **|** | MTU  Tunnel Type  **Reversion Hold** | **Time** | |  |  **|** | | 1500  OSPF-SR  **300 sec** | |  |  **|** |
| **|**  |  |  |  |  |  |  + | **Configured PW-Reversion** Manual Switchover Ignore MTU Mismatch  MS-PW ID  MAC Withdraw  PW Fault Reason  PW Status Local Refresh | | Timer | **|**  |  |  |  |  |  |  + | **enabled** False False NONE  True  no-fault 600 sec | |  |  |  |  |  |  |  + |

Test Case Results:

Passed: Yes No Verified by Date/Time Comments