###### HVPLS configuration with PW redundancy

***Objective:***

* Objective is to verify HVPLS configuration with PW redundancy between PE nodes. The hierarchical VPLS (H-VPLS) model places additional layers of device called Multi-tenant-unit (MTU) switches between the CEs and the PE. The operation between MTUs and PEs is such that the PEs treats the spoke pseudowires like access links.

PE1



ac

ac

CE2

CE1

Loopback

192.168.20.15

Loopback

192.168.20.16

**PW1**

PE3

**PW2**

M.T.U

CE3

CE4

ac

ac

PE2

Loopback 192.168.20.17

Loopback 192.168.20.18

HVPLS configuration with PW redundancy

***Procedure:***

* Setup the Fowarding Domains and classifiers and flow points in CLI on M.T.U:
  + Enter “config”
  + fds fd fd1 mode vpws
  + classifiers classifier VLAN-UNTAGGED filter-entry vtag- stack untagged-exclude-priority-tagged true
  + fps fp ac logical-port 2 fd-name fd1 classifier-list VLAN-UNTAGGED
* Setup the L2VPN configuration on the forwarding domain provisioned. The L2VPN is only running with Untagged traffic in this example:
  + pseudowires pseudowire PW1 mode spoke protect true role primary configured-pw peer-ip 192.168.20.16 pw-id 100
  + pseudowires pseudowire PW2 mode spoke protect true role backup primary-pw PW1 configured-pw peer-ip 192.168.20.17 pw-id 200
  + l2vpn-services l2vpn service1 signaling-type ldp pseudowire PW1 pseudowire PW2 forwarding-domain fd1

Test Case Results:

Passed: Yes No Verified by Date/Time Comments