uOLT Management Configuration on 5170

***Objective:***

In order for the device that is hosting the uOLT to control/configure the PON service, a management forwarding domain must be created. The uOLT must also be enabled.

***Topology:***

uOLT inserted into 10G port.

***Procedure:***

1. Create classifier and forwarding domain.

classifiers classifier vid\_4090 filter-entry vtag-stack vtags 1 vlan-id 4090

fds fd vs4090 mode vpls

1. Create flow point. Note: The logical port is the port that the uLOT is inserted. VLAN 4090 and tpid 88a8 are required settings.

fps

fp vid\_4090\_port4 fd-name vs4090 logical-port 4 stats-collection on mac-learning enabled

classifier-list vid\_4090 classifier-list-precedence 10 egress-l2-transform push-vid-4090 vlan-stack 1

push-tpid tpid-8100 push-vid 4090

exit exit exit exit

1. Create a management IP interface.

oc-if:interfaces interface pon\_mgmt\_1 config name pon\_mgmt\_1 cn- if:type ip mtu 1500 admin-status true underlay-binding config fd vs4090

1. Enable the uOLT.

pon-ctrl olts olt OLT\_1 admin-state enabled

management-interface OLT\_MGMT\_IP mac-address 70:b3:d5:52:32:12

exit exit exit

***Expected Results:***

5170\_0016> show pon-ctrl olts olt OLT\_1

+ OLT +

| Parameter | Value |

+ + +

| Name | OLT\_1 |

| Admin State | Enabled |

| MAC Address | 70:B3:D5:52:32:12 |

| Management Interface | pon\_mgmt\_1 |

| PON Mode | XGS-PON |

| Auto Boot Mode | Disabled |

| Upstream FEC Profile 0 | Enabled |

| Upstream Preamble Profile 0 | 64 |

| Downstream FEC | Enabled |

| Encryption Mode | Disabled |

| Guard Time | 16 |

| NNI MTU | 9600 |

| PON MTU | 9600 |

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| Operational State | Active |

| Physical Interface | 4 |

| Management TPID | 0x8100 |

| Management VID | 4090 |

| Firmware Version | R2.1.2 |

Standby Firmware Version | R1.3.1 |

| Expected Firmware Version | R2.1.2 |

| Firmware Status | Ok |

| Hardware Version | 180713 |

| Model | XGS-PON OLT |

| Model Number | XCVR-SGPL02 |

| Serial Number | OLT-E8B47070096E |

| Number of Registered ONUs | 5 |

| Number of Deregistered ONUs | 0 |

| Number of Configured ONUs | 1 |

| Number of Unconfigured ONUs | 0 |

| Number of Datalinks | 2 |

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