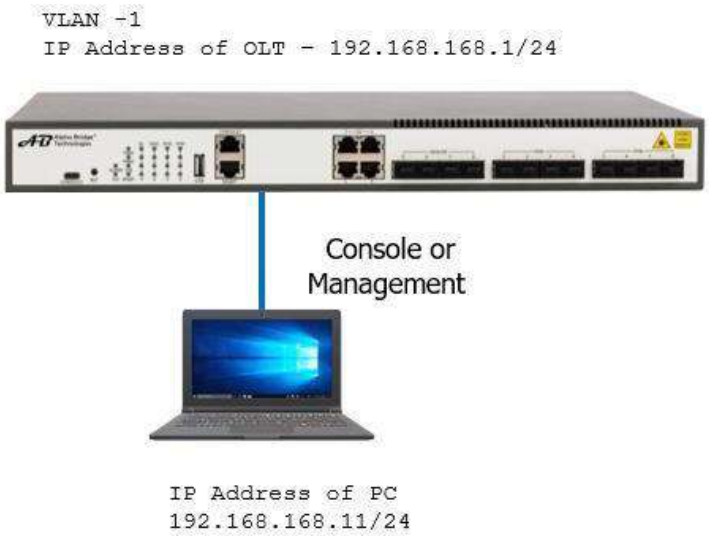
Alpha Bridge
GPON Profile Creation
Test Case

1. GPON Profile

Test Case	Creation of GPON Profile
Test Procedure	1. Make the setup as shown in the figure 

Configuration	**Configuration:**
	login:admin
	password:*****
	GPON>
	GPON>enable
	<GPON>system-view
	//to configure
	[GPON]vlan 200
	[GPON-vlan-200]quit
	[GPON]interface vlan-interface 200
	[GPON-vlanInterface-200]ip address 172.168.168.1 255.255.255.0
	[GPON-vlanInterface-200]quit
	[GPON]
	
	DBA Profile:
	This profile defines the bandwidth allocation strategy.
	[GPON] dba-profile 7 name dba7
	//Creating DBA profile
	[GPON-dba-profile-7] type 4 max 1200000
	[GPON-dba-profile-7] commit
	[GPON-dba-profile-7] quit
	[GPON]
	
	VLAN Profile:
	This profile ensures VLAN translation for traffic separation,
	It maps customer VLANs to service VLANs efficiently.
	[GPON]vlan-profile 8 name v8
	//Creating VLAN profile
	[GPON-vlan-profile-8] translate cvlan 200 svlan 200

```
[GPON-vlan-profile-8] commit
[GPON-vlan-profile-8] quit
[GPON]
```

Line Profile:
Defines service parameters for connected ONUs, Ensures traffic mapping and VLAN handling.

Line Profile-1:

```
[GPON]line-profile 6 name line6
//Creating Line profile 6
[GPON-line-profile-6] model f0-m210
// M210 is a Smart Match ONU(auto selection for HGU or SFU)
[GPON-line-profile-6] tcont 1 dba-profile 7
[GPON-line-profile-6] gem 1 tcont 1 vlan-profile 8
[GPON-line-profile-6] mapping 1 vlan 200 gem 1
[GPON-line-profile-6] commit
[GPON-line-profile-6] quit
[GPON]
```

Line Profile-2:

```
[GPON]line-profile 9 name line9
//Creating Line profile 9
[GPON-line-profile-9] model f0-h210
// H210 is an HGU ONU
[GPON-line-profile-9] tcont 1 dba-profile 7
[GPON-line-profile-9] gem 1 tcont 1 vlan-profile 8
[GPON-line-profile-9] mapping 1 vlan 200 gem 1
[GPON-line-profile-9] commit
[GPON-line-profile-9] quit
[GPON]
```

Line Profile-3:

```
[GPON]line-profile 12 name line12
//Creating Line profile 12
[GPON-line-profile-12] model f0-s210
// S210 is an SFU ONU
[GPON-line-profile-12] tcont 1 dba-profile 7
[GPON-line-profile-12] gem 1 tcont 1 vlan-profile 8
[GPON-line-profile-12] mapping 1 vlan 200 gem 1
[GPON-line-profile-12] port vlan 0 eth 1 default vlan 200
[GPON-line-profile-12] commit
[GPON-line-profile-12] quit
[GPON]
```

Upstream Profile:(if required for ratelimit)

```
[GPON]upstream-profile 1
//Creating Upstream profile
[GPON-upstream-profile-1] upstream car cir 1024 cbs 37500 pir
2048 pbs 37500
//it limits the speed from 1 Mbps to 2 Mbps
```

	[GPON-upstream-profile-1] commit
	[GPON-upstream-profile-1] quit
	[GPON]
	
	Downstream Profile:(if required for ratelimit)
	[GPON]downstream-profile 1
	//Creating downstream profile
	[GPON-downstream-profile-1] downstream car cir 1024 cbs 37500 pir 1024 pbs 37500
	//it limits the speed from 1 Mbps to 1 Mbps
	[GPON-downstream-profile-1] commit
	[GPON-downstream-profile-1] quit
	[GPON]
	
	Specific Profile:
	[GPON]specific-profile 2/8/6
	//Creating specific profile
	[GPON-specific-profile-2/8/6] gem 1 vlan-profile 8 upstream-profile 1 downstream-profile 1
	//This will assign the rate limit to specific ONU
	[GPON-specific-profile-2/8/6] commit
	[GPON-specific-profile-2/8/6] quit
	[GPON]

Test Result	• Command to verify running configuration is "display current-config"
Remarks	Working