

# GPON. Huawei. ONT

Huawei GPON NMS ONT CLI.

:

/		
1		>=R16
2	Internet vlan	1101-2000
3	Q-in-Q	1000
3	Multicast vlan	4033
5	GEM Internet	12
6	GEM multicast	14
7	User vlan internet	10

Internet user-vlan 10, vlan user **service-port**.

1. DBA 1

```
dba-profile add profile-id 10 profile-name "dba-profile_10" type3 assure 1024 max 1024000
```

2. IPTV, COS =4

```
traffic table ip index 8 name "IPTV" cir off color-mode color-blind priority 4 priority-policy local-setting
traffic table ip index 7 name "STD" cir off color-mode color-blind priority 0 priority-policy local-setting
```

3. **lineprofile**, 2 GEM VLAN Multicast

```
ont-lineprofile gpon profile-id 12 profile-name "ont_user"
  tcont 4 dba-profile-id 10
  gem add 12 eth tcont 4
  gem add 14 eth tcont 4
  gem mapping 12 2 vlan 10
  gem mapping 14 4 vlan 4033 priority 4
commit
```

4. **srvprofile**, **ETH POTS**, **VLAN Multicast vlan**

```
ont-srvprofile gpon profile-id 12 profile-name "ont_user"
  ont-port pots adaptive 2 eth adaptive 8
  igmp-forward translation 4033 4
  port vlan eth 1 translation 10 0 user-vlan 10 0
  port vlan eth 1 translation 4033 4 user-vlan 4033 4
commit
```

5. ONT . ONT . **equipment** **ONT display ont autofind X ( GPON).** .

```
ont auto-add-policy gpon equipment "120C" omci ont-lineprofile-id 12 ont-srvprofile-id 12 auto-confirm enable
```

6. ONT **SFU**(bridge) ONT interface-gpon X/Y native vlan **ont port native-vlan X N eth 1 vlan 10 priority 0**, X- PON, N- ONT. ONT HGU(router) 6  
. HGU 9

7. **service-profile** Internet Multicast vlan.  
100 ONT service-port . SBPO - **S**- , **B**- , **P**- GPON , **O** ONU .  
, 0, 0, 1 ONU **00001**

```
service-port 00001 vlan 1001 gpon 0/0/0 ont 1 gemport 12 multi-service user-vlan 10 tag-transform translate
```

, Q-in-Q (Q-in-Q vlan 1000 )

```
service-port 00001 vlan 1000 gpon 0/0/0 ont 1 gemport 12 multiservice user-vlan 10 tag-transform translate-and-add inner-vlan 1001 inbound traffic-table index 7 outbound traffic-table index 7
```

Multicast **1**, COS 4

```
service-port 10001 vlan 4033 gpon 0/0/0 ont 1 gemport 14 multi-service user-vlan 4033 tag-transform translate inbound traffic-table index 8 outbound traffic-table index 8
```

8. Multicast multicast user

```
btv
igmp user add service-port 10001 no-auth
multicast-vlan 4033
igmp multicast-vlan member service-port-list 10001
```

9. ONT HGU (HG8546M HS8545M ).  
xml GZ TFTP.  
OLT diagnose **diagnose**.  
# IP tftp

```
ont-load info configuration hs8545M.xml.gz tftp 172.31.174.92
```

# ONT . :  
, PON, ONT. **PON** **ONT**

```
ont-load select 0/0 0 2
```

#

```
ont-load start
```

:

**display ont-load info -**  
**display ont-load select 0/0 -** ONT  
**display ont-load result 0/0 0 1 -** , xml

xml :

1. ONT, .  
2. XML XML, XMLSpear.  
info , . WEB WiFi, ONT , XML.  
3. XML GZ, 7-zip.

4. ONT OLT **display ont-load result.** , XML. 3-4 XML