

HALNy NETWORKS

ONT HALNy HGU

ONT Configuration on CALIX OLT e7-2

OLT CALIX with firmware version 3.4.10.35



Configuration is related to below ONTs:



HL-4GMV
4GE
2POTS
IEEE 802.11b/g/n/ac
GPON Uplink



HL-4GQV
4GE
2POTS
IEEE 802.11b/g/n/ac
GPON Uplink



HL-4GQVS
4GE
1POTS
IEEE 802.11b/g/n/ac
GPON Uplink



HL-4GMV2
4GE
1POTS
IEEE 802.11b/g/n/ac
GPON Uplink

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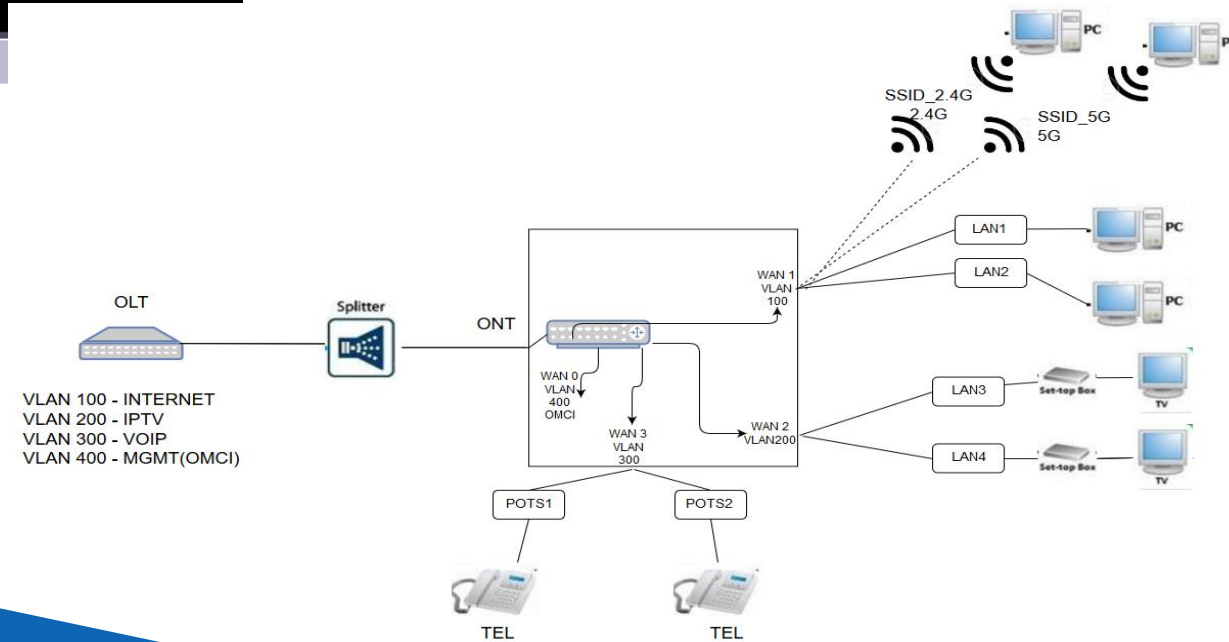
1. Create ONT profile on OLT

CALIX OLT: ONTs > PROFILES > ONT PROFILE > PROFILES > CREATE:

- **NAME** should be set as **ONTMODEL_CXNK** (e.g HL-4GMV_CXNK)
- **VENDOR** should be set as **CXNK**
- **MODEL** should be empty
- Profile should have defined ONT physical ports count (**VOICE, GIG ETH, RF VIDEO**)
- **ETH OAM CAPABLE** should be "N"
- **CONVERT MULTICAST CAPABLE** should be "N"
- **RESIDENTIAL SERVICE** should be "Y"
- **FULL BRIDGE** should be "Y",
- **DEFAULT TO RG MODE** can be "Y" or "N" ("Y" is recommended)

The screenshot shows the OLT configuration interface. The navigation pane on the left highlights 'ONTs'. The main panel shows the 'ONT Profile 11' configuration with the following fields:

Name	HL-4GMV_CXNK
Vendor	CXNK
Model	HL-4GMV
Voice	2
Fast Eth	0
Gig Eth	4
HPNA	0
T1	0
RF Video	0
Hot RF Video	0
Eth OAM Capable	<input type="checkbox"/>
Convert Multicast Capable	<input type="checkbox"/>
Residential Gateway	1
Full Bridge	1
Default To RG Mode	<input checked="" type="checkbox"/>



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2. GPON ONT SN auto change (HALN → CXNK):

On ONT there is implemented automatic change of GPON SN when You connect to CALIX OLT. You don't need to do anything before connect ONT to OLT, just connect and ONT will change GPON SN. Even if You restore ONT to default settings it will change it again to CALIX (if still connected to OLT). ONT just need to have right firmware version which supports Extended IOP.

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3. Add ONT to GPON port:

ONTs > DISCOVERED ONTS > Link to new Provisioning

The screenshot shows the 'DISCOVERED ONTS' tab in the configuration interface. The table below lists discovered ONTs with columns for FSAN SERIAL#, ADDITIONAL STATUS, REG ID (DISC.), REG ID (PROV.), PON, MODEL, and VENDOR. The 'Link to new Provisioning' option in the context menu is highlighted with a red box.

FSAN SERIAL#	ADDITIONAL STATUS	REG ID (DISC.)	REG ID (PROV.)	PON	MODEL	VENDOR
CXNK206fff68	default-prov,			1-1-4	HL-4GMV_001	CXNK
CXNK60668a68	default-prov,			1-1-1	HL-4GQVS_001	CXNK

The 'Link ONT' dialog box is shown with the 'User Assigned ID' radio button selected. The fields are filled with the following values:

- System Assigned ID:
- User Assigned ID:
- ONT ID *: 15
- ONT Profile *: HL-4GMV_CXNK
- Admin State: enabled
- Serial #: 206fff68
- Registration ID: (empty)
- Subscriber ID: (empty)
- Description: (empty)
- PWE3 Profile: (empty)

3.1 Set below values

Choose between “System assigned ID” or “User Assigned ID”

ONT ID: UNUSED ID

ONT PROFILE: PREVIOUSLY CREATED ONT PROFILE

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4. Check if ONT is properly added

ONTs > PROVISIONING > click on ONT ID (e.g. 15)

ONT Status 15	
Operational Status	enable
Additional Status	present
Model	HL-4GMV_001
Vendor	CXNK
CLEI	HL-4GMV
Downstream SDBER Rate	5
System Uptime	0 day, 00:30:49
Optical Signal Level (dBm)	-12.588
Transmit Optical Lvl (dBm)	2.134
Receive Level at OLT (dBm)	-13.000
Current Downstream SDBER Rate (10^-n)	9
Current Upstream SDBER Rate (10^-n)	9
Range Length (meters)	136
Product Code	P8
Current Software Version	V2.0.18cal12
Alternate Software Version	V2.0.18
Current Committed	true
RG Config File Version	
VoIP Config File Version	
Current Customer Version	
Alternate Customer Version	
ONU MAC	e0:5a:9f:6f:ff:68
MTA MAC	e0:5a:9f:6f:ff:68
Manufacturing Serial No.	CXNK206fff68

ONT 15 (Location - GPONPort:1-1-4)	
Admin State	enabled
Serial #	206fff68
Registration ID	
Subscriber ID	
Description	
PWE3 Profile	
ONT Profile *	HL-4GMV_CXNK
Upstream SDBER Rate	5
NE Rx Optical Power Low Threshold (dBm)	-35.00
NE Rx Optical Power High Threshold (dBm)	-7.00
Battery Present	enable
Pse Max Power Budget (watts) (effective in ONT only if ownership is omci)	30
Poe High Power Mode	disabled

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5. Create DBA profile

E7 > PROFILES > SERVICE > ETHERNET BANDWIDTH > PROFILES > CREATE

The screenshot shows the network management interface. On the left, a navigation tree highlights 'E7' under 'ONTs'. The main panel shows a breadcrumb trail: SYSTEM > MANAGEMENT > RSTP > ERPS > G8032RING > POLICIES > MULTICAST > DHCP > ETHERNET OAM > PROFILES. Below this, a sub-menu shows SERVICE > GOS > COS > PPPOE > DSCP > IP PREC > IGMP > SECURITY > ACCESS IDENTIFIER > VOICE POLICY > TAGGING > ETHERNET BANDWIDTH > MULTICAST > MULTICAST WHITE LIST > ETHERNET SERVICE NAMES > SIP RMT > SIP GV. The 'ETHERNET BANDWIDTH' menu item is highlighted. Below the breadcrumb trail, there are buttons for 'CREATE', 'DELETE', and 'ACTION', along with a 'REFRESH' button and a 'Rows Per Page' dropdown set to 20. A table lists existing profiles:

NAME	COMMITTED RATE FOR ...	PEAK RATE FOR UPST...	PEAK RATE FOR DOWN...	DOWNSTREAM PEAK B...
IPTV_10s	512k	90m	0k	none
Internet MAX	0k	1200m	1200m	none

5.1 Set **Name** and **Upstream Rate**, click create and check if DBA has been created (REFRESH).

The 'Create Ethernet Bandwidth Profile' dialog box is shown. It contains the following fields and values:

- Name: 1G
- Committed Rate for Upstream: 0k
- Peak Rate for Upstream: 1200m
- Peak Rate for Downstream: 1200m
- Downstream Peak Burst Size: none
- Upstream Committed Burst Size: none
- Upstream Peak Burst Size: none

Buttons for 'CREATE' and 'CANCEL' are visible at the bottom.

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6. Create multicast profile for IPTV services

E7 > PROFILES > SERVICE > MULTICAST > MULTICAST > PROFILES > CREATE

The screenshot shows a web interface with a breadcrumb trail: E7 > PROFILES > SERVICE > MULTICAST > MULTICAST > PROFILES > CREATE. The interface has a dark theme with a top navigation bar containing menu items: SYSTEM, MANAGEMENT, RSTP, ERPS, G8032RING, POLICIES, MULTICAST, DHCP, ETHERNET OAM, and PROFILES. Below this is a sub-menu bar with items: SERVICE, GOS, COS, PPPoE, DSCP, IP PREC, IGMP, SECURITY, ACCESS IDENTIFIER, VOICE POLICY, TAGGING, ETHERNET BANDWIDTH, MULTICAST, MULTICAST WHITE LIST, ETHERNET SERVICE NAMES, SIP RMT, and SIP GW. A second sub-menu bar contains: MULTICAST, MULTICAST MAPS, and MVR. A third sub-menu bar contains: PROFILES and USAGE. At the bottom of the menu area, there are buttons: CREATE, DELETE, ACTION, REFRESH, APPLY, and a 'Rows Per Page' dropdown set to 20. Below the menu is a table header with columns: NAME, MAX STREAMS, MULTICAST MAPS, MVR PROFILE, and GENERAL QUERY INTE...

6.1 Fill Name and click CREATE

The 'Create Multicast Profile' dialog box contains the following fields and controls:

- Name *: multicast-v-200
- Max Streams *: 10
- Multicast Maps: [Dropdown menu]
- MVR Profile: [Dropdown menu]
- General Query Interval (Up) (s): 240
- Convert to Unicast:

** "General Query Interval" and "Covert to Unicast" are not applicable to VDSL services.

Buttons: CREATE, CANCEL

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7. Add mach-list for VLAN 100 (Internet service)

E7 > PROFILES > SERVICE > TAGGING > MATCH LISTS > PROFILES > CREATE

The screenshot shows a network management interface with a navigation tree on the left and a main menu on the right. The navigation tree includes 'E7', 'Shelf1', 'VLANs', 'Interfaces', and 'ONTs'. The main menu has several tabs: 'SYSTEM', 'MANAGEMENT', 'RSTP', 'ERPS', 'G8032RING', 'POLICIES', 'MULTICAST', 'DHCP', 'ETHERNET OAM', and 'PROFILES'. Under 'PROFILES', there are sub-tabs: 'SERVICE', 'GOS', 'COS', 'PPPOE', 'DSCP', 'IP PREC', 'IGMP', 'SECURITY', 'ACCESS IDENTIFIER', and 'VOICE POLICY'. Under 'SERVICE', there are sub-tabs: 'TAGGING', 'ETHERNET BANDWIDTH', 'MULTICAST', 'MULTICAST WHITE LIST', 'ETHERNET SERVICE NAMES', 'SIP RMT', and 'SIP GW'. Under 'TAGGING', there are sub-tabs: 'TAG ACTIONS' and 'MATCH LISTS'. Under 'MATCH LISTS', there are sub-tabs: 'PROFILES' and 'USAGE'. At the bottom, there are buttons: 'CREATE', 'DELETE', 'ACTION', 'REFRESH', 'APPLY', and a 'Rows Per Page' dropdown set to 20.

7.1 Set Match List name

The 'Create Match List' dialog box has a text input field for 'Name *' containing 'VLAN_100'. There are 'CREATE' and 'CANCEL' buttons at the bottom right.

7.2 Double-click on newly created match-list (VLAN_100) and add new Tagged Match Rule

The screenshot shows the 'MATCH LISTS' menu item selected. A context menu is open over it, with 'Tagged Match Rule' selected. The context menu also includes 'Untagged Match Rule' and a numeric input field with '0'.

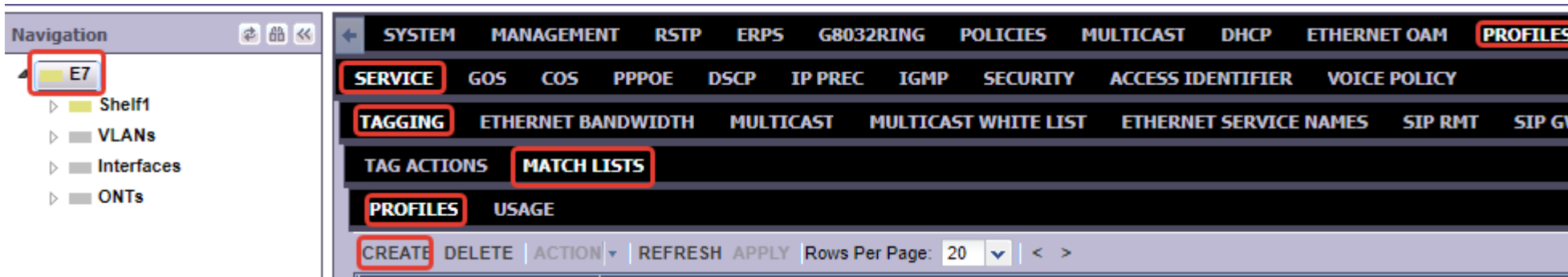
7.3 Set S-VLAN ID to 100

The 'Create Tagged Match Rule' dialog box has two dropdown menus. The first is 'S-VLAN (Outer Tag)' set to '100'. The second is 'Outer P-Bit' set to 'any'. There are 'CREATE' and 'CANCEL' buttons at the bottom right.

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8. Add mach-list for VLAN 200 (IPTV service)

E7 > PROFILES > SERVICE > TAGGING > MATCH LISTS > PROFILES > CREATE



8.1 Set Match List name

The screenshot shows a 'Create Match List' dialog box. The 'Name *' field is filled with 'VLAN_200'. There are 'CREATE' and 'CANCEL' buttons at the bottom right.

8.2 Double-click on newly created match-list (VLAN_200) and add new Tagged Match Rule

The screenshot shows a 'Create Tagged Match Rule' dialog box. The 'Tagged Match Rule' radio button is selected. There is a '0' in a field next to it. There are 'CREATE', 'DELETE', 'ACTION', 'REFRESH', and 'TAB' buttons at the bottom.

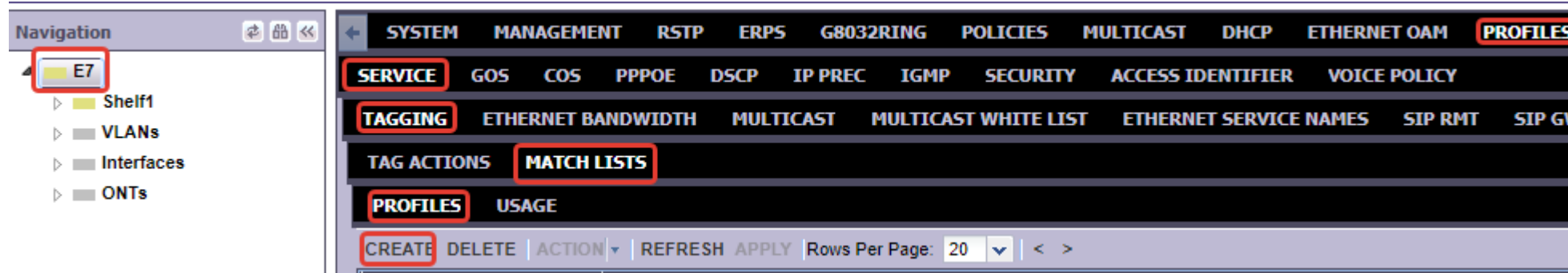
8.3 Set S-VLAN ID to 200

The screenshot shows a 'Create Tagged Match Rule' dialog box. The 'S-VLAN (Outer Tag)' dropdown menu is set to '200'. The 'Outer P-Bit' dropdown menu is set to 'any'. There are 'CREATE' and 'CANCEL' buttons at the bottom right.

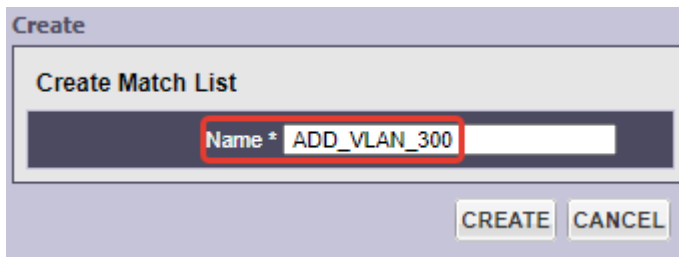
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9. Add mach-list for VLAN 300 (VoIP service)

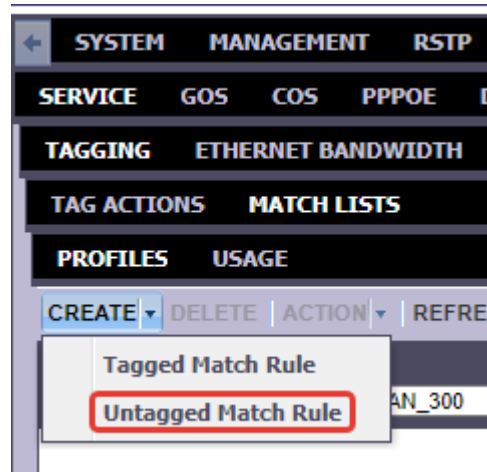
E7 > PROFILES > SERVICE > TAGGING > MATCH LISTS > PROFILES > CREATE



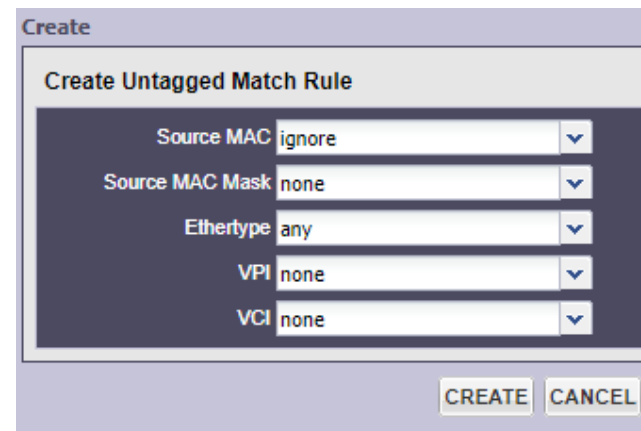
9.1 Set Match List name



9.2 Double-click on newly created match-list (ADD_VLAN_300) and add new Untagged Match Rule



9.3 Leave all parameters default



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10. Create VLAN TAGGING ACTION for VLAN 100 (Internet service)

E7 > PROFILES > SERVICE > TAGGING > TAG ACTIONS > PROFILES > CREATE

The screenshot shows a network management interface with a navigation tree on the left and a main menu on the right. The navigation tree is expanded to 'E7' and includes 'Shelf1', 'VLANs', 'Interfaces', and 'ONTs'. The main menu has several tabs: 'SYSTEM', 'MANAGEMENT', 'RSTP', 'ERPS', 'G8032RING', 'POLICIES', 'MULTICAST', 'DHCP', 'ETHERNET OAM', and 'PROFILES'. The 'PROFILES' tab is selected, and the 'TAGGING' sub-tab is active. Under 'TAGGING', the 'TAG ACTIONS' sub-tab is selected. The 'CREATE' button is highlighted in red. Below the menu, there are buttons for 'DELETE', 'ACTION', 'REFRESH', 'APPLY', and a 'Rows Per Page' dropdown set to 20.

10.1 Fill all necessary fields, and click [CREATE](#)

The screenshot shows the 'Create Service Tag Action' form. The fields are as follows:

- Name *: VLAN_100
- Action *: Change Tag
- Match List *: 6 - (VLAN_100)
- S-VLAN (Outer Tag): 100
- Outer P-Bit Source: Specify P-Bit
- Outer P-Bit: 0
- Eth Type: 0x8100
- Inner P-Bit Source: same-as-outer
- Untagged P-Bit: 0

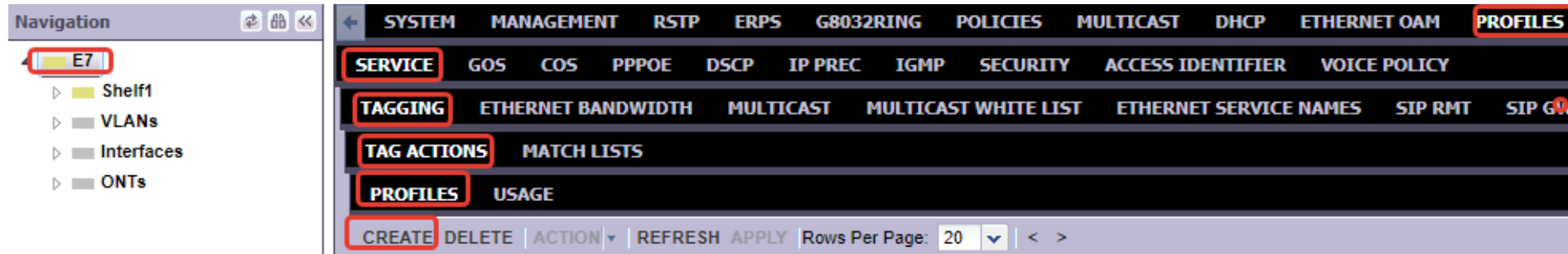
The inner-pbit controls and untagged pbit controls are applicable for ONLY GPON

Buttons: CREATE, CANCEL

ONT HALNy HGU Configuration on CALIX OLT e7-2

11. Create VLAN TAGGING ACTION for VLAN 200 (IPTV service)

E7 > PROFILES > SERVICE > TAGGING > TAG ACTIONS > PROFILES > CREATE



11.1 Fill all necessary fields, and click CREATE

Create

Create Service Tag Action

Name * VLAN_200

Action * Change Tag

Match List * 8 - (VLAN_200)

S-VLAN (Outer Tag) 200

Outer P-Bit Source Specify P-Bit

Outer P-Bit 0

Eth Type 0x8100

Inner P-Bit Source same-as-outer

Untagged P-Bit 0

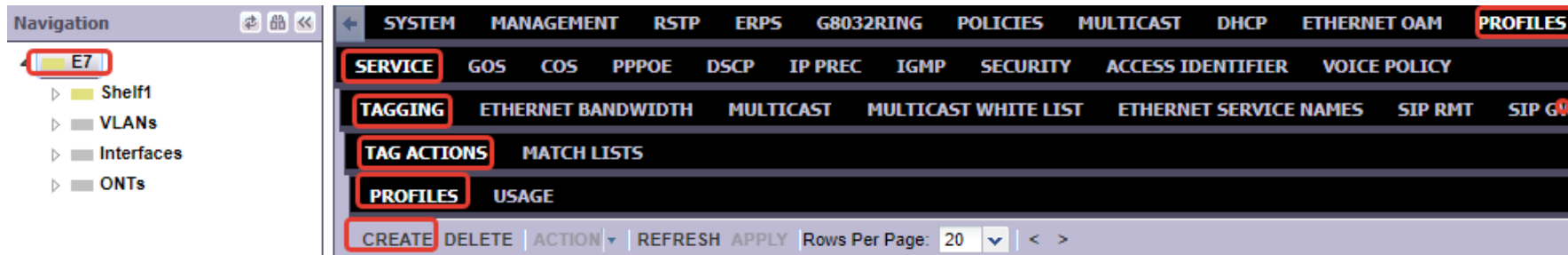
The inner-pbit controls and untagged pbit controls are applicable for ONLY GPON

CREATE CANCEL

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12. Create VLAN TAGGING ACTION for VLAN 300 (VOIP service)

E7 > PROFILES > SERVICE > TAGGING > TAG ACTIONS > PROFILES > CREATE



12.1 Fill all necessary fields, and click CREATE

Create

Create Service Tag Action

Name * ADD_VLAN_300_COS5

Action * Add Tag

Match List * 10 - (ADD_VLAN_300)

S-VLAN (Outer Tag) 300

Outer P-Bit Source Specify P-Bit

Outer P-Bit 5

Eth Type 0x8100

Inner P-Bit Source same-as-outer

Untagged P-Bit 0

The inner-pbit controls and untagged pbit controls are applicable for ONLY GPON

CREATE CANCEL

Note that Outer P-Bit MUST be set to 5 or higher, Action – Add tag with match list ADD_VLAN_300

ONT HALNy HGU Configuration on CALIX OLT e7-2

13. ONT PORT MAPPING

E7 > SHELF > CARD > GPON > ONT > PORTS > PROVISIONING > CLICK ON PORT GE

13.1 Set PORT `eth1-2` to `RG1`(for INTERNET), and `eth3-4` to `FB1` (for IPTV)

The screenshot shows the network management interface. On the left is a navigation tree with the following structure:

- E7
 - Shelf1
 - Card1 (GPON-4R2 *)
 - GPON 1
 - GPON 2
 - GPON 3
 - GPON 4
 - ONT 15 (highlighted with a red box)
 - ONT 17
 - ONT 99
 - GE 1
 - GE 2
 - GE 3
 - GE 4
 - GE 5
 - GE 6
 - GE 7
 - GE 8
 - 10GE 1
 - 10GE 2
 - 10GE 3
 - 10GE 4
 - FanTray
 - VLANs
 - Interfaces
 - ONTs

On the right, the 'PROVISIONING' tab is active. It shows three sections:

- ONT RG Interface**: A table with columns 'ID' and 'ADMIN STATE'. It contains one row: RG-1 | enabled.
- ONT FB Interface**: A table with columns 'ID' and 'ADMIN STATE'. It contains one row: FB-1 | enabled.
- ONT Gigabit Ethernet Port**: A table with columns 'ID' and 'INTERFACE'. It contains four rows: GE-1, GE-2, GE-3, and GE-4. The 'ID' column is highlighted with a red box, and the 'INTERFACE' column is highlighted with a green box.

13.2 Click on every port `GE-1` to `GE-4` and set `Interface` to `RG1`(router/nat) or `FB1`(bridge) according to Your preferences

The screenshot shows the configuration form for 'ONT Gigabit Ethernet Port 15-GE-1'. It includes the following fields:

- Admin State: enabled-no-alarms
- Subscriber ID: (empty)
- Description: (empty)
- Interface: RG-1 (highlighted with a red box)
- Speed (Mb/s): auto
- Duplex: full

13.3 Final results should be similar to this:

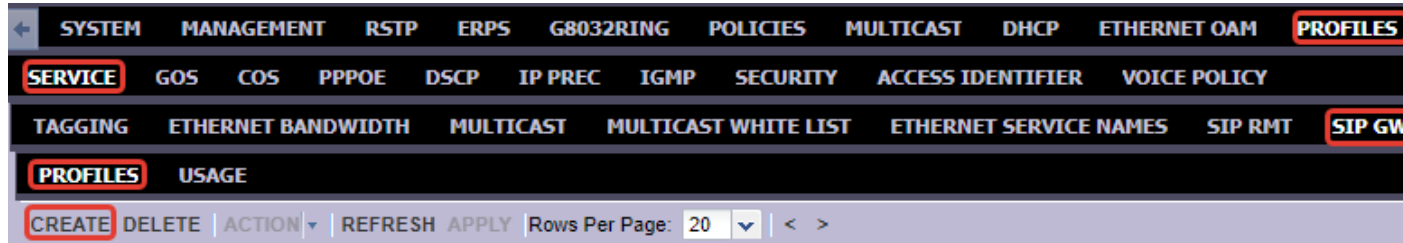
The screenshot shows the final provisioning configuration for ONT 15. It displays three sections:

- ONT RG Interface**: A table with columns 'ID' and 'ADMIN STATE'. It contains one row: RG-1 | enabled.
- ONT FB Interface**: A table with columns 'ID' and 'ADMIN STATE'. It contains one row: FB-1 | enabled.
- ONT Gigabit Ethernet Port**: A table with columns 'ID' and 'INTERFACE'. It contains four rows: GE-1 | 15-RG-1, GE-2 | 15-RG-1, GE-3 | 15-FB-1, and GE-4 | 15-FB-1. The 'INTERFACE' column is highlighted with a green box.

ONT HALNy HGU Configuration on CALIX OLT e7-2

14. Voip Profile

E7 > PROFILES > SERVICE > SIP GW > PROFILES > CREATE



14.1 Set Name, Proxy Server and Secondary Proxy server

Service Profile (SIP GW Profile) 1

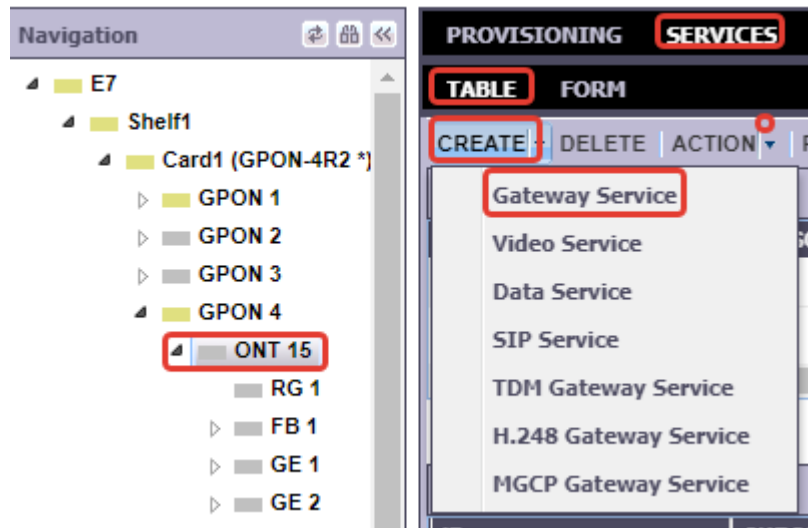
Name *	VOIP_PROFILE	T1 Timer (ms)	500
Proxy Server	10.192.168.149	T2 Timer (s)	4
Proxy Server Port	5060	Registration Period (s)	3600
Secondary Proxy Server	10.192.168.149	Distinctive Ring Prefix	Bellcore-dr
Secondary Proxy Server Port	5060	Call Waiting Prefix	CallWaitingTone
Primary DNS Server	0.0.0.0	Out-Of-Band DTMF	none
Secondary DNS Server	0.0.0.0	Local Hook Flash	<input checked="" type="checkbox"/>
RTP Codec First Order	u-law	RTP DSCP	46 (ef)
Packet Rate First Order (ms)	10	RTP Ethernet QoS	6
Silence Suppression First Order	<input type="checkbox"/>	Domain	
RTP Codec Second Order	none	Country Code	north-america
Packet Rate Second Order (ms)	10	Release Timer (s)	10
Silence Suppression Second Order	<input type="checkbox"/>	RTP Port	49152
RTP Codec Third Order	none	Switch Type	none
Packet Rate Third Order (ms)	10	Registered Proxy Opt Timer	60
Silence Suppression Third Order	<input type="checkbox"/>	Proxy Server TX	<input type="checkbox"/>
Call Pick-Up Code	none		
Revertive	<input type="checkbox"/>		
Alternate Proxy Opt Timer	60		

ONT HALNy HGU Configuration on CALIX OLT e7-2

15. 3Play configuration (Internet)

E7 > SHELF > CARD > GPON > ONT > SERVICES > TABLE > CREATE > GATEWAY SERVICE

15.1 Select **Subscriber Port**, **Service Name**, **BW Profile** and **Service Tag Action** from drop-down menu



The screenshot shows the 'Create Gateway Service' configuration form. The form is titled 'Create Gateway Service' and has a subtitle 'Subscriber Port on ONT 15'. The 'Subscriber Port *' dropdown menu is set to 'RG-1' (highlighted with a red box). Below it, there are fields for 'Subscriber ID' and 'Description'. A note states: '** The ONT Subscriber ID and Description will be copied to the Port if the fields are left empty.' The 'Service Name*' dropdown menu is set to 'Gateway Service: 1' (highlighted with a red box). The 'BW Profile *' dropdown menu is set to 'IG' (highlighted with a red box). The 'Service Tag Action *' dropdown menu is set to 'VLAN_100' (highlighted with a red box). Other fields include 'Multicast Profile', 'PON CoS' (set to 'derived'), 'Upstream Peak Rate Override' (set to 'none'), 'Downstream Peak Rate Override' (set to 'none'), 'Upstream Committed Rate Override' (set to 'none'), 'Multicast White List' (with instructions: 'Hold down the Ctrl key to select or deselect multiple items'), 'Selected Multicast White List', and 'Hot Swap' (set to 'disabled'). At the bottom, there is a checkbox for 'PPPoE Force Discard' which is unchecked. The 'CREATE' and 'CANCEL' buttons are at the bottom right.

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16 3Play configuration (IPTV)

E7 > SHELF > CARD > GPON > ONT > SERVICES >
TABLE > CREATE > VIDEO SERVICE

The screenshot shows a network management interface. On the left is a 'Navigation' pane with a tree structure: E7 > Shelf1 > Card1 (GPON-4R2 *) > GPON 4 > ONT 15. The 'ONT 15' item is highlighted with a red box. On the right is the 'PROVISIONING SERVICES' section. The 'SERVICES' tab is active and highlighted with a red box. Below it, the 'TABLE' and 'FORM' views are visible, with 'TABLE' selected. A 'CREATE' button is highlighted with a red box. A list of service types is shown, with 'Video Service' highlighted by a red box.

16.1 Select Subscriber Port, Service Name, BW Profile and Service Tag Action from drop-down menu

The screenshot shows the 'Create Video Service' configuration form. The form is titled 'Create Video Service' and has a subtitle 'Subscriber Port on ONT 15'. The 'Subscriber Port' dropdown is set to 'FB-1' and is highlighted with a red box. The 'Subscriber ID' and 'Description' fields are empty. A note below states: '** The ONT Subscriber ID and Description will be copied to the Port if the fields are left empty.' The 'Service Name' dropdown is set to 'Video1' and is highlighted with a red box. The 'BW Profile' dropdown is set to '1G' and is highlighted with a red box. The 'Service Tag Action' dropdown is set to 'VLAN_200' and is highlighted with a red box. The 'Multicast Profile' dropdown is set to 'multicast-v-200' and is highlighted with a red box. Other fields include 'PON CoS' (derived), 'Upstream Peak Rate Override' (none), 'Downstream Peak Rate Override' (none), 'Upstream Committed Rate Override' (none), 'Multicast White List' (empty), 'Selected Multicast White List' (empty), and 'Hot Swap' (disabled). At the bottom, there is a 'PPPoE Force Discard' checkbox which is unchecked. The 'CREATE' and 'CANCEL' buttons are at the bottom right.

ONT HALNy HGU Configuration on CALIX OLT e7-2

17. 3Play configuration (VoIP)

E7 > SHELF > CARD > GPON > ONT > SERVICES >
TABLE > CREATE > SIP SERVICE

The screenshot shows the network management interface. On the left, the 'Navigation' pane shows a tree structure: E7 > Shelf1 > Card1 (GPON-4R2 *) > GPON 4 > ONT 15. The 'ONT 15' item is highlighted. On the right, the 'PROVISIONING SERVICES' menu is open, with 'SIP Service' selected. The 'CREATE' button is also highlighted.

17.1 Select Subscriber Port, Dal Plan, SIP Profile and Service Tag Action from drop-down menu. Set URI, User Name and Password

The screenshot shows the 'Create SIP Service' configuration page. The 'Subscriber Port' is set to 'Voice-1'. The 'SIP Profile' is set to 'SipGwProf : VOIP_PROFILE'. The 'URI (Universal Resource Identifier)' is set to '10.192.168.149'. The 'User Name' is set to '300' and the 'Password' is set to '300'. The 'Dial Plan' is set to 'system-default'. The 'Service Tag Action' is set to 'ADD_VLAN_300_COSS'. The 'Host Protocol' is set to 'dhcp'. The 'config-file-instance' is set to 'None'. The 'CREATE' and 'CANCEL' buttons are at the bottom right.

Create SIP Service

Subscriber Port on ONT 15

Subscriber Port * Voice-1

Subscriber ID _____ Description _____

*** The ONT Subscriber ID and Description will be copied to the Port if the fields are left empty.*

Create SIP Service

SIP Profile * SipGwProf : VOIP_PROFILE

URI (Universal Resource Identifier) * 10.192.168.149

User Name 300 Password 300

Dial Plan * system-default

Enable Caller ID Call Waiting

Three way calling T.38 Fax Relay

Msg Waiting Indicator

Enable Direct Connect

VMWI DC Voltage

Update IP Host

Host Protocol dhcp Service Tag Action * ADD_VLAN_300_COSS

config-file-instance None

*** IP Host Provisioning will apply to all SIP Services on this ONT.*

CREATE CANCEL

ONT HALNy HGU Configuration on CALIX OLT e7-2

PROVISIONED ONTS									
DISCOVERED ONTS									
QUARANTINED ONTS									
SW MAROONED ONTS									
EXTERN ONTS									
PROFILES									
RELEASE MANAGEMENT									
CONFIG FILE MANAGEMENT									
PROVISIONING									
SERVICES									
PORTS									
IP HOSTS									
VLANS									
PON PM (PER ONT)									
ETHERNET OAM									
PON UPSTREAM COS									
TABLE									
FORM									
CREATE DELETE ACTION REFRESH APPLY < ONT 15 >									
Gateway Service									
ID	SUBSCRIBER ID	DESCRIPTION	SERVICE TAG ACTION	BW PROFILE	S-VLAN (OUTER TAG)	C-VLAN (INNER TAG)	MULTICAST PROFILE	PON COS	
RG-1-1			VLAN_100	1G	100	Not Used		derived	
Video Service									
ID	SUBSCRIBER ID	DESCRIPTION	SERVICE TAG ACTION	BW PROFILE	S-VLAN (OUTER TAG)	C-VLAN (INNER TAG)	MULTICAST PROFILE	PON COS	
FB-1-Video1			VLAN_200	Internet MAX	200	Not Used	vt-vt	derived	
Data Service									
There are no provisioned services of this type.									
SIP Service									
ID	SUBSCRIBER ID	DESCRIPTION	IP HOST IP ADDRESS	LOCAL UDP PORT	REMOTE IP ADDRESS	REMOTE UDP PORT	USER NAME	URI (UNIVERSAL R	
Voice-1-1			192.168.68.135	0	0.0.0.0	0	300	192.168.68.149	

ONT HALNy HGU Configuration on CALIX OLT e7-2

18. Remote access (OPTIONAL)

E7 > ONTS > PROVISIONED ONTS > PORTS > PROVISIONING > ONT ID RG1

The screenshot displays the configuration page for 'ONT RG Interface 15-RG-1'. The 'Set Remote Access Time (m)' field is highlighted with a red box and contains the value '15'. Below this, the 'ONT RG Interface Status 15-RG-1' shows 'Remote Access Time' as 'disabled'. To the right, the 'Members of this port' table lists '15-GE-1' and '15-GE-2'. Below that, the 'RG WAN Interface Status' table is shown with the following data:

VLAN	WAN-PROTOCOL	RG-STATUS	IP
100	dhcp	connected	10.192.168.133

Set Remote Access Time to any value (in minutes) to gain remote access to ONT via WAN IP interface on port 8080

ONT RG Interface Status 15-RG-1
Remote Access Time 2021/03/08 10:05:56

THANK YOU



High Availability Local Networks