

Comparativo de configuração CLI Vs Web da OLT 8820G

Neste exemplo será realizado a ativação de 1 ONU 110G e a configuração de 1 bridge interface de uplink e 1 bridge interface de downlink para comunicação de dados.

1º Passo – Identificação e ativação da ONU

CLI

```
onu show 1/1
```

```
onu set 1/1/1 1 meprof intelbras-110g
```

WEB

Configuration / Port / GPON ONU Profile

Number of entries : 64

Port Type: downlink

OLT Port: 1

5 - Selecionar a porta GPON que possui ONU conectada mas não ativada

6 Clicar na posição na qual a ONU será ativada

Port	Oper Status	Admin Status	Description	Vendor ID	ONU Added	FSAN Serial Number	Decimal Serial Number	ME Profile Name	Password	Auto Learn	Auto Upgrade	Physical Traps	ONU Traps	Line Status Change Trap	Upstream RxPower Monitoring
1-1	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-2	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-3	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-4	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-5	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-6	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-7	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-8	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-9	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly
1-10	down	up		ZNTS	false	0	0			enabled	enabled	disabled	disabled	disabled	monitorOnly

Configuration / Port / GPON ONU Profile

Refresh Apply

Show FSAN Format

Name

Port: 1-1-1

Oper Status: down

Admin Status: up

Description:

Vendor ID: ZNTS

ONU Added: true

FSAN Serial Number: 034013da ZNTS

Decimal Serial Number: 0

ME Profile Name: 110g

Generic Profile Name:

Use Reg Id: disabled

Password:

Auto Learn: enabled

Power Level: 0 dB

Upstream BER Interval: 5000 msec

Downstream BER Interval: 5000 msec

Auto Upgrade: enabled

Physical Traps: disabled

ONU Traps: disabled

Line Status Change Trap: disabled

Upstream RxPower Monitoring: monitorOnly

Upstream RxPower HighThreshold: -10 dBm

Upstream RxPower LowThreshold: -30 dBm

Refresh Apply

Clicar em Aplicar

Alterar para true

Selecionar o modelo da ONU

A Identificação da ONU é realizada através deste campo.

A Identificação é realizado apenas pelo FSAN

To activate an ONU on this port: Check the boxes on following three variables

Vendor ID Automatically appears when a Serial Number is selected

FSAN or Decimal Serial Number Select a Serial Number from the drop-down menu

ONU Added Select true to activate the ONU

2º Passo – Visualização da ONU já ativada

CLI

```
onu inventory 1/1
```

Web

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System

Test

Configuration

CPE

Status

System

Port

Ethernet

GPON

OLT

ONU

Status

Error Statistics

GEM

OMCI

SFP

LinkAgg

Services

Refresh

Number of entries : 64

Port Type downlink

OLT Port 1

Status / Port / GPON ONU

Selecione a porta GPON que deseja visualizar as ONUs já ativadas

Port Status

Port	Oper Status	Admin Status	Link Status Trap	OMCI Status Map	OMCI State	OLT RxPower (dBm)	ONU RxPower (dBm)	ONU Version	ONU Distance (meter)
1-1	up	up	disabled	noAlarm	done	-11.9	-8.5	PON699GA.1L43A	1
1-2	down	up	disabled	inactive	down	0	0		0
1-3	down	up	disabled	inactive	down	0	0		0
1-4	down	up	disabled	inactive	down	0	0		0
1-5	down	up	disabled	inactive	down	0	0		0
1-6	down	up	disabled	inactive	down	0	0		0
1-7	down	up	disabled	inactive	down	0	0		0
1-8	down	up	disabled	inactive	down	0	0		0
1-9	down	up	disabled	inactive	down	0	0		0
1-10	down	up	disabled	inactive	down	0	0		0

3º Passo – Configuração da bridge interface de uplink

CLI

```
bridge add 1-1-5-0/eth uplink vlan 999 untagged
```

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CPE

Status

System

Test

Configuration

Port

EAPS

IP

Data Bridged ?

Uplink Bridge

Connections

Video Bridged ?

Advanced

Configuration / Uplink Bridged Data Connections

Refresh

Create

Modify

Delete

Add Path

Show Path

Unblock

Enable Packet Stats

Enable Byte Stats

Disable Statistics

Port Type

uplink

Port

All

Number of entries : 2

Bridge Connections

Port	VLAN ID	S-Tag ID	Type	Ingress Rule-Group	Egress Rule-Group	RSTP
------	---------	----------	------	--------------------	-------------------	------

Refresh

Create

Modify

Delete

Add Path

Show Path

Unblock

Enable Packet Stats

Enable Bytes Stats

Disable Statistics

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CPE

Status

System

Test

Configuration

Port

EAPS

IP

Data Bridged ?

Uplink Bridge

Connections

Video Bridged ?

Advanced

Configuration / Create Uplink Data Bridged

Apply

Port Type

uplink

Port

LinkAgg Group

Non-Aggregated Ethernet

ethernet2

ethernet3

ethernet4

ethernet5

ethernet6

ethernet7

ethernet8

ethernet9

ethernet10

ethernet11

Connection Type

Bridge Type

Uplink 802.1Q

Downlink 802.1Q

Intralink

RLink

TLS

Wire

STP

(For configurations not using EAPS, STP must be selected to automatically create STP-bridge)

QinQ

QoS

VLAN Tagging

Type

untagged

VLAN ID

999

(0 - 4090)

Packet Rule Group

Ingress Group Index

default

Egress Group Index

default

Static Paths

Unicast Aging

3600

sec

Flap Control

default

Loop Prevention

none

Apply

4º Passo – Configuração da bridge interface de downlink

CLI

```
bridge add 1-1-1-1/gpononu downlink vlan 999 tagged eth 1
```

Web

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CPE / Port Services

Related: [CPE Models](#) [ONU Profile](#) [CPE Ports](#)

7 Clique em Create

4 Selecione a porta GPON que está com a ONU que deseja configurar a bridge de downstream

5 Selecione a posição em que está a ONU para a configuração da bridge de downstream (a ONU já deve estar ativada "passo 1")

1

2

3

Seleção a porta LAN da ONU. Caso a ONU fosse de 4 portas, estariam aparecendo todas as Interfaces LAN, FXS e Wifi (caso o modelo possuir)

6

Essas duas informações são preenchidas ao selecionar o passo 5

Port Type: downlink

OLT Port: 1

ONU: 1

PoE Ports: none

ONT Type: 110g

Serial Number: ZNTS 0x034013da | 54531034

Number of entries : 1

Port	Type	Admin Status	RG Mode	Service Type	VoIP Protocol	Dial Number	Far-End IP	GEM Port	Guided VLAN ID	UNI VLAN ID	UNI S-Tag ID	UNI VLAN CoS	Translate VLAN ID	Translate S-Tag ID
<input checked="" type="checkbox"/>	1	ethernet	nosubscriber	notsupported				0		0	0			

Refresh Create Modify Delete

Set ONT Clear ONT Assign Serial# Clear Serial#

CPE / Create Data Service

Create

Port Type downlink OLT Port 1 ONU 1 ONT 110g PoE Ports none

CPE Ethernet Ports

1

☒

Data

☐

Video

☐

RG (Residential Gateway)

☐

Use Last Setting

☒

Auto Select GEM Port

☐

Guided VLAN

Data Services Profile

Profile	Value	Unit	Range
GEM Port			257 to 3828
UNI VLAN ID	0		0 to 4096
UNI S-Tag ID	0		0 to 4096
GPON Traffic Profile	none		
UNI VLAN CoS	0		
UNI VLAN TPID	0x8100		
UNI S-Tag CoS	0		
UNI S-Tag TPID	0x8100		
DSCP-CoS Profile Index	none		

Ethernet Subscriber Profile

Profile	Value	Unit	Range
Admin State	up		
Description			max 32 chars
Loopback	disabled		
Rate	auto		
Duplex	auto		
MTU	1518		0 to 65535
Port Type	dce		
Mode	bridged		
Line Status Alarm	disabled		
Alarm Severity	major		
Power Feed	disabled		
Power Shed	enabled		
Power Range	low		
Custom Power Level			
LLDP Med List			
Video Profile	none		
Traffic Mgmt Profile	none		

Bridge Profile

Profile	Value	Unit	Range
Type	downlink		
VLAN Tagging	tagged		
VLAN ID	999		0 to 4095
S-Tag ID			0 to 4095
MVR VLAN ID			
Secure	false		
Ingress Rule-Group	default		
Egress Rule-Group	default		

Interface VLAN Profile

Create

Selecione o tipo da bridge que será aplicada a ONU

Insira o VLAN ID desejado.

Para haver conexão entre uma bridge interface de downstream com uma bridge interface de upstream os VLANs IDs devem ser iguais

Selecione o tipo de marcação desejado.

Não é possível configurar o tipo untagged para bridge interface de downstream

5º Passo – Visualização das bridges interface configuradas

CLI

```
bridge show
```

Web

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CPE
Status
System
Test
Configuration
+ Port
+ EAPS
+ IP
- Data Bridged ?
 Uplink Bridge
 Connections
+ Video Bridged ?
+ Advanced

1
2
3

Configuration / Uplink Bridged Data Connections

Refresh Create Modify Delete Add Path Show Path Unblock

Enable Packet Stats Enable Byte Stats Disable Statistics

Port Type uplink

Port All

Number of entries : 2

Bridge Connections						
<input type="checkbox"/> Port	VLAN ID	S-Tag ID	Type	Ingress Rule-Group	Egress Rule-Group	RSTP
<input type="checkbox"/> ethernet5	999	0	uplink untagged	default	default	0

Refresh Create Modify Delete Add Path Show Path Unblock

Enable Packet Stats Enable Bytes Stats Disable Statistics

Selecione All para visualizar todas as bridges interface configuradas ou a porta ethernet para visualizar apenas as bridges interface relacionadas a porta desejada

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CPE
Status
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+ Port
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+ IP
- Data Bridged ?
 Uplink Bridge
 Connections
+ Video Bridged ?
+ Advanced

1
2
3

Configuration / Bridged Data Connections

Refresh Create Modify Delete Add Path Show Path Unblock

Enable Packet Stats Enable Byte Stats Disable Statistics

Port Type downlink

Port 1

ONU All

Number of Connections : 1

<input type="checkbox"/> Port	Status	Type	VLAN ID	S-Tag ID	MVR VLAN ID	Ingress Rule-Group	Egress Rule-Group
<input type="checkbox"/> 1-1-1-258	up	downlink single-tagged	999	0	0	default	default

Refresh Create Modify Delete Add Path Show Path Unblock

Enable Packet Stats Enable Bytes Stats Disable Statistics

Selecione a porta GPON desejada para visualizar as bridges interface configuradas

Selecione ALL para visualizar todas as bridge interface configuradas na porta GPON selecionada.

Configurando a porta dois das ONTs em modo PPPoE (rg-bpppoe):

- Deve-se criar uma única vez um profile global para as configurações PPPoE, este profile habilitará o NAT nas ONTs (em nosso exemplo utilizaremos uma ONT 1420G).

1º Passo – Criar um profile global para as configurações do PPPoE

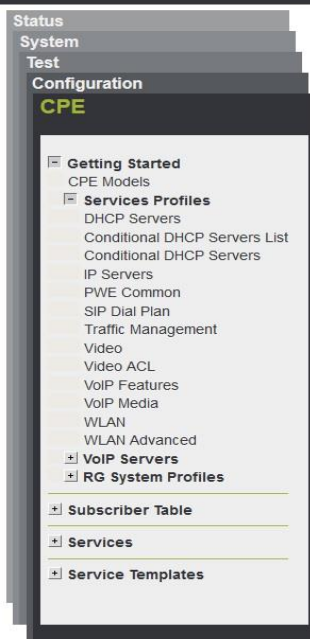
- Obs.: a OLT já vem com um profile default DHCP. Caso não crie um profile e associe uma ONT com PPPoE, ela irá utilizar o profile default da OLT para entrega de IP.

CLI

```
cpe rg wan ip-com add novo ip com pppoe host-ip-option dhcp nat nat firewall-access all
```

Web

The screenshot displays the MXK194-10GE configuration interface. On the left, a sidebar contains a tree view of configuration categories: Status, System, Test, Configuration, and CPE. The CPE category is expanded, showing sub-items like Getting Started, Services Profiles, DHCP Servers, Conditional DHCP Servers List, Conditional DHCP Servers, IP Servers, PWE Common, SIP Dial Plan, Traffic Management, Video, Video ACL, VoIP Features, VoIP Media, WLAN, WLAN Advanced, VoIP Servers, and RG System Profiles. The main content area is titled 'CPE / Services Profiles / IP Servers' and includes a 'Create' button highlighted with a red box and a red arrow pointing to it with the text 'Clique para criar'. Below this, a table with the title 'IP Server Profile' is shown, containing columns for Server Profile, Host, Subnet, Gateway, Primary, Secondary, Firewall, NAT, Secure, IGMP, Default, DNS, and DNS. The table is currently empty, and a message above it states 'There are no entries in this table'. At the bottom of the main content area, there are buttons for 'Refresh', 'Create', 'Modify', and 'Delete'.



Create IP Server Profile

Create

Name	Value	Unit	Range
Server Index	1		
Profile Name	novo_ip_com_pppoe	max 32 chars	
Host IP Option	dhcp		
Subnet Mask	255.255.255.0		
Gateway Address	0.0.0.0		
Primary DNS	0.0.0.0		
Secondary DNS	0.0.0.0		
Firewall Access			
<input checked="" type="checkbox"/> http	<input checked="" type="checkbox"/> ping		
<input checked="" type="checkbox"/> snmp	<input checked="" type="checkbox"/> snmptrap		
<input checked="" type="checkbox"/> ssh	<input checked="" type="checkbox"/> telnet		
NAT Function	nat		
Secure Forward	disabled		
IGMP Function	none		
Default Interface	false		
DNS Source	false		
DNS Type	default		

Create

Digite o nome do profile

Selecione DHCP

Clique para mostrar os itens abaixo

Selecione os acessos permitidos

Clique para criar

2º Passo – configurar bridge de downlink na porta ethernet da ONT.

- Neste caso iremos configurar a VLAN 300 na porta 2 da ONT.

CLI

```
bridge add 1-1-1-3/gpononu downlink vlan 300 tagged eth 2 rg-bpppoe
```

```
cpe rg wan modify 1/1/3 vlan 300 ip-com-profile novo_ip_com_pppoe
```

```
cpe rg wan modify 1/1/3 vlan 300 pppoe-usr-id teste3 pppoe-password teste3
```

Web

Status

System

Test

Configuration

CPE

Getting Started

Subscriber Table

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Connections

Virtual Ports

Service Templates

CPE / Port Services

Refresh

Create

Modify

Delete

Set ONT

Clear ONT

Assign Serial#

Clear Serial#

Port Type

downlink

OLT Port

3

ONU

2

ONT Type

1420g

Serial Number

ZNTS 0x033b03a9 | 54199209

Number of entries : 6

Connections

<input type="checkbox"/>	Port	Type	Admin Status	RG Mode	Service Type	VoIP Protocol	Dial Number	Far-End IP	GEM Port	Guided VLAN ID	UNI VLAN ID	UNI S-Tag ID	UNI VLAN CoS	Translate VLAN ID	Translate S-Tag ID
<input type="checkbox"/>	1	ethernet	nosubscriber	supported					0		0	0			
<input checked="" type="checkbox"/>	2	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	3	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	4	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	1	pots	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	2	pots	nosubscriber	supported					0		0	0			

Refresh

Create

Modify

Delete

Set ONT

Clear ONT

Assign Serial#

Clear Serial#

Selecione a porta PON

Selecione a posição da ONT

Modelo da ONT - Irá preencher automático
após selecionar a posição da ONTSelecione a interface que
deseja habilitar na ONT

Clique para criar

Status

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Virtual Ports

Service Templates

CPE / Create Data Service

Create

Port Type downlink OLT Port 3 ONU 2 ONT 1420g

CPE Ethernet Ports

1 2 3 4
☐ ☒ ☐ ☐☒ Data ☐ Video☒ RG (Residential Gateway) ☐ Use Last Setting ☒ Auto Select GEM Port ☐ Guided VLANMarque como gateway
residencialMarque para selecionar a
GEM Port automático

Data Services Profile

Profile	Value	Unit	Range
GEM Port			257 to 3828
UNI VLAN ID	0		0 to 4096
UNI S-Tag ID	0		0 to 4096
GPON Traffic Profile	1100000000		
UNI VLAN CoS	0		
UNI VLAN TPID	0x8100		
UNI S-Tag CoS	0		
UNI S-Tag TPID	0x8100		
DSCP-CoS Profile Index	none		

Selecione o profile de tráfego

Ethernet Subscriber Profile

Profile	Value	Unit	Range
Admin State	up		
Loopback	disabled		
Rate	auto		
Duplex	auto		
MTU	1518		0 to 65535
Port Type	dce		
Mode	bridged		
Power Feed	disabled		
Video Profile	none		
TrafficMgmt Profile	none		
Line Status Alarm	disabled		
Alarm Severity	major		

Selecione o status da porta

Bridge Profile

Profile	Value	Unit	Range
Type	downlink		
VLAN Tagging	tagged		
VLAN ID	300		1 to 4095
S-Tag ID			0 to 4095
MVR VLAN ID			
Secure	false		
Ingress Rule-Group	default		
Egress Rule-Group	default		

Selecione o tipo da VLAN (downlink)

Selecione o modo da VLAN (tagged)

Entre com o ID da VLAN desejada

Interface VLAN Profile

Profile (WAN)	Value	Unit	Range
RG Mode	bridgedpppoe		
IP Address	0.0.0.0		
IP Server Profile	novos_ip_com_pppoe		
DHCP Server Profile	none		
Port Forward List Profile	none		

Selecione o modo bridgedpppoe

Insira o IP da porta WAN da ONT
ou 0.0.0.0 pra pegar por DHCPSelecione o profile desejado
(criado anteriormente)

PPPoE Profile	Value	Unit	Range
User Name	teste3		max 64 chars
Password	*****		max 20 chars
Authentication	auto		
Retry Interval	3	sec	1 to 2147483647

Insira o usuário PPPoE

Insira a senha do
usuário PPPoE

Profile (LAN)	Value	Unit	Range
IP Address	192.168.1.1		
IP Server Profile	none		
DHCP Server Profile	none		
Port Forward List Profile	none		

Insira um IP para a LAN da ONT

Insira o profile desejado para a
LAN da ONT ou deixe "none",
para utilizar o padrão

Create Clique para criar

Configurações de bridge de downlink (porta PON) – Configuração de VOZ – método 1 (Voz DOMCI)

CLI

```
cpe voip server add SIP_SERVER signalling-protocol sip primary-server 10.26.0.253 sip-registrar 10.26.0.253
```

Web

1º Passo – Configurar um servidor para registro SIP.

intelbras MXK194-10GE MX 2.5.1.423 Help Logout

Status
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CPE

Getting Started
CPE Models
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DHCP Servers
Conditional DHCP Servers List
Conditional DHCP Servers
IP Servers
PWE Common
SIP Dial Plan
Traffic Management
Video
Video ACL
VoIP Features
VoIP Media
WLAN
WLAN Advanced
VoIP Servers
SIP
H.248
MGCP
RG System Profiles
Subscriber Table
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Service Templates

CPE / Services Profiles / VOIP / SIP Servers

Refresh Create Modify Delete

There are no entries in this table

SIP Server Profile

Server Index	Profile Name	Primary Server	Secondary Server	UDP Port	Server Protocol	Reg Expiration Time	ReRegHead Start Time	Domain	Registrar	Soft Switch	Release Timer	ROH Timer	DSCP Mark	PiggyBack Events	OOB Tone Events	OOB DTMF Events	OOB CAS Events	Partial DialTimeout	Critical Dial Timeout	Outbound Server
--------------	--------------	----------------	------------------	----------	-----------------	---------------------	----------------------	--------	-----------	-------------	---------------	-----------	-----------	------------------	-----------------	-----------------	----------------	---------------------	-----------------------	-----------------

Refresh Create Modify Delete

intelbras MXK194-10GE MX 2.5.1.423

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WLAN Advanced
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SIP
H.248
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Create SIP Server Profile

Create

Name	Value	Unit	Range
Server Index	1		
Profile Name	SIP_SERVER	max 32 chars	
Primary Server	10.26.0.253	max 255 chars	
Secondary Server		max 255 chars	
UDP Port Number			-1 to 32767
Server Protocol	SIP		
Reg Expiration Time	3600	sec	
ReRegHead Start Time	360	sec	
Domain		max 255 chars	
Registrar	10.26.0.253	max 255 chars	
Soft Switch		max 32 chars	
Release Timer	10	sec	0 to 255
ROH Timer	15	sec	0 to 255
DSCP Mark	46		0 to 255
PiggyBack Events	disabled		
OOB Tone Events	disabled		
OOB DTMF Events	disabled		
OOB CAS Events	disabled		
Partial DialTimeout	16000	msec	0 to 65535
Critical Dial Timeout	4000	msec	0 to 65535
Outbound Server		max 255 chars	

Create

- Deve-se criar uma única vez um profile para as configurações de IP na bridge de voz (IP via DHCP ou estático nas ONTs).

2º Passo – Criar os profiles VoIP

- Obs.: o profile para voz pode ser o mesmo criado para o PPPoE, visto que é apenas a determinação do IP que irá utilizar. Neste passo a passo mostraremos como criar outro, caso queira deixar em profiles separados.

- Profile global para IP via DHCP:

CLI

```
cpe ip ip-com add VOIP_IP host-ip-option dhcp
```

Web

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 - Conditional DHCP Servers List
 - Conditional DHCP Servers
 - IP Servers
 - PWE Common
 - SIP Dial Plan
 - Traffic Management
 - Video
 - Video ACL
 - VoIP Features
 - VoIP Media
 - WLAN
 - WLAN Advanced
- VoIP Servers
- RG System Profiles
- Subscriber Table
- Services
- Service Templates

CPE / Services Profiles / IP Servers

Clique para criar um profile

Refresh Create Modify Delete

There are no entries in this table

IP Server Profile

Server Index	Profile Name	Host IP Option	Subnet Mask	Gateway Address	Primary DNS	Secondary DNS	Firewall Access	NAT Function	Secure Forward	IGMP Function	Default Interface	DNS Source	DNS Type
<input type="checkbox"/>													

Refresh Create Modify Delete

Status
System
Test
Configuration
CPE

- Getting Started
 - CPE Models
- Services Profiles
 - DHCP Servers
 - Conditional DHCP Servers List
 - Conditional DHCP Servers
 - IP Servers
 - PWE Common
 - SIP Dial Plan
 - Traffic Management
 - Video
 - Video ACL
 - VoIP Features
 - VoIP Media
 - WLAN
 - WLAN Advanced
- VoIP Servers
- RG System Profiles

Subscriber Table

Services

Service Templates

Create IP Server Profile

Create

Name	Value	Unit	Range
Server Index	1		
Profile Name	VOIP_IP	max 32 chars	
Host IP Option	dhcp		
Subnet Mask	255.255.255.0		
Gateway Address	0.0.0.0		
Primary DNS	0.0.0.0		
Secondary DNS	0.0.0.0		
Firewall Access			
NAT Function	nat		
Secure Forward	disabled		
IGMP Function	none		
Default Interface	false		
DNS Source	false		
DNS Type	default		

Definir o nome do profile

Selecionar DHCP

Create

Criar o profile

- Profile global para IP estático:

CLI

```
cpe ip ip-com add VOIP_IP host-ip-option static netmask 255.255.255.0 gateway 10.1.27.1 primary-dns 10.1.27.1
```

Web

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 - IP Servers
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 - Traffic Management
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 - Video ACL
 - VoIP Features
 - VoIP Media
 - WLAN
 - WLAN Advanced
- VoIP Servers
- RG System Profiles

Subscriber Table

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CPE / Services Profiles / IP Servers

Clique para criar um profile

Refresh

Create

Modify

Delete

There are no entries in this table

IP Server Profile

<input type="checkbox"/>	Server Index	Profile Name	Host IP Option	Subnet Mask	Gateway Address	Primary DNS	Secondary DNS	Firewall Access	NAT Function	Secure Forward	IGMP Function	Default Interface	DNS Source	DNS Type
--------------------------	--------------	--------------	----------------	-------------	-----------------	-------------	---------------	-----------------	--------------	----------------	---------------	-------------------	------------	----------

Refresh

Create

Modify

Delete

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MXK194-10GE

MX 2.5.1.423

Status

System

Test

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CPE

Getting Started

CPE Models

Services Profiles

DHCP Servers

Conditional DHCP Servers List

Conditional DHCP Servers

IP Servers

PWE Common

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Traffic Management

Video

Video ACL

VoIP Features

VoIP Media

WLAN

WLAN Advanced

VoIP Servers

RG System Profiles

Subscriber Table

Services

Service Templates

Create IP Server Profile

Create

Name	Value	Unit	Range
Server Index	1		
Profile Name	VOIP_IP		max 32 chars
Host IP Option	static		
Subnet Mask	255.255.255.0		
Gateway Address	10.1.27.1		
Primary DNS	10.1.27.1		
Secondary DNS	0.0.0.0		
Firewall Access			
NAT Function	nat		
Secure Forward	disabled		
IGMP Function	none		
Default Interface	false		
DNS Source	false		
DNS Type	default		

Create

Definir nome do profile

Selecionar modo estático

Definir máscara de rede

Definir gateway padrão

Definir servidor DNS

Criar o profile

- Verificar os profiles criados:

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MXK194-10GE

MX 2.5.1.423

Status

System

Test

Configuration

CPE

Getting Started

CPE Models

Services Profiles

DHCP Servers

Conditional DHCP Servers List

Conditional DHCP Servers

IP Servers

PWE Common

SIP Dial Plan

Traffic Management

Video

Video ACL

VoIP Features

VoIP Media

WLAN

WLAN Advanced

VoIP Servers

RG System Profiles

Subscriber Table

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Service Templates

CPE / Services Profiles / IP Servers

Refresh

Create

Modify

Delete

Number of entries : 1

IP Server Profile

<input type="checkbox"/>	Server Index	Profile Name	Host IP Option	Subnet Mask	Gateway Address	Primary DNS	Secondary DNS	Firewall Access	NAT Function	Secure Forward	IGMP Function	Default Interface	DNS Source	DNS Type
<input type="checkbox"/>	1	VOIP_IP	static	255.255.255.0	10.1.27.1	10.1.27.1	0.0.0.0	ping	nat	disabled	none	false	false	default

Refresh

Create

Modify

Delete

Detalhes do profile criado

3º Passo – Atrelar o novo profile global criado na ONT desejada para receber IP via DHCP
 - Inserindo o endereço 0.0.0.0 para recepção do IP via DHCP para acesso ao servidor VOIP.

CLI

```
ISH> cpe ip add 1/3/2 voip host-ip 0.0.0.0 ip-com VOIP_IP
```

Web

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CPE

Getting Started

Subscriber Table

Port Subscribers

Ethernet

IP

PWE

RF

VoIP

WLAN

Services

Service Templates

MXK194-10GE

MX 2.5.1.423

CPE / IP Subscribers

Refresh Create Modify Delete

Slot

downlink

OLT Port

3

ONU

2

ONT

1420g

Subscriber table is empty

Subscribers				
<input type="checkbox"/>	ONU	Service Type	Host IP	IP Server Profile

Refresh Create Modify Delete

Clique para criar

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Getting Started

Subscriber Table

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MXK194-10GE

MX 2.5.1.423

CPE / Create IP Subscriber

Apply

Port Type

downlink

 OLT Port

3

 ONU

2

 ONT

1420g

IP Profile

Subscriber Profile	Value
Service Type	<div>voip</div>
Host IP	<div>0.0.0.0</div>
IP Server Profile	<div>VOIP_IP</div>

Apply

Clique para aplicar

- Inserindo IP estático para acesso ao servidor VOIP.

CLI

```
cpe ip add 1/3/2 voip host-ip 10.1.27.4 ip-com VOIP_IP
```

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CPE

1
2
3

Getting Started
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CPE / IP Subscribers

Refresh Create Modify Delete

Slot: downlink

OLT Port: 3 Seleccione a PON que está a ONT

ONU: 2 Seleccione a posição da ONT na PON

ONT: 1420g

Subscriber table is empty

Subscribers				
<input type="checkbox"/>	ONU	Service Type	Host IP	IP Server Profile

Refresh Create Modify Delete

Clique para criar

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CPE / Create IP Subscriber

Apply

Port Type: downlink OLT Port: 3 ONU: 2 ONT: 1420g

IP Profile

Subscriber Profile	Value
Service Type	voip Seleccione serviço voip
Host IP	10.1.27.4 Insira o IP desejado
IP Server Profile	VOIP_IP Seleccione o profile

Apply Clique para aplicar

4º Passo – Configurar as portas da ONT

- Configurar a ONT 1420NG na bridge de voz.
- Configurar as portas FXS da ONT para registrar no servidor VOIP que está utilizando a VLAN 400 (conforme criado acima).

CLI

```
bridge add 1-1-3-2/gpononu downlink vlan 400 tagged sip
```

```
cpe voip add 1/3/2/1 admin-state up dial-number 3390 username 3390 password intelbras rx-gain -9 tx-gain -3  
voip-server-profile SIP_SERVER
```

```
cpe voip add 1/3/2/2 admin-state up dial-number 3391 username 3391 password intelbras rx-gain -9 tx-gain -3  
voip-server-profile SIP_SERVER
```

Web

intelbras

MXK194-10GE

MX 2.5.1.423

Status

System

Test

Configuration

CPE

Getting Started

Subscriber Table

Services

Connections

Virtual Ports

Service Templates

CPE / Port Services

Refresh Create Modify Delete

Set ONT Clear ONT Assign Serial# Clear Serial#

Port Type downlink OLT Port 3 ONU 2 ONT Type 1420g Serial Number ZNTS 0x033b03a9 | 54199209

Number of entries : 6

Connections

<input type="checkbox"/>	Port	Type	Admin Status	RG Mode	Service Type	VoIP Protocol	Dial Number	Far-End IP	GEM Port	Guided VLAN ID	UNI VLAN ID	UNI S-Tag ID	UNI VLAN CoS	Translate VLAN ID	Translate S-Tag ID
<input type="checkbox"/>	1	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	2	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	3	ethernet	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	4	ethernet	nosubscriber	supported					0		0	0			
<input checked="" type="checkbox"/>	1	pots	nosubscriber	supported					0		0	0			
<input type="checkbox"/>	2	pots	nosubscriber	supported					0		0	0			

Refresh Create Modify Delete

Set ONT Clear ONT Assign Serial# Clear Serial#

Clique para criar

Seleção de PON e ONT

Seleção de posição da ONT na PON

Seleção do tipo da ONT

Seleção de porta da ONT que deseja configurar

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MX 2.5.1.423

Status

System

Test

Configuration

CPE

Getting Started

Subscriber Table

Services

Connections

Virtual Ports

Service Templates

CPE / Create Data Service

Create

Port Type

downlink

OLT Port

3

ONU

2

ONT

1420g

CPE Ethernet Ports

1

2

3

4

Data

Video

RG (Residential Gateway)

Use Last Setting

Auto Select GEM Port

Guided VLAN

Marque como gateway residencial

Marque para selecionar a GEM Port automático

Data Services Profile

Profile	Value	Unit	Range
GEM Port			257 to 3828
UNI VLAN ID	0		0 to 4096
UNI S-Tag ID	0		0 to 4096
GPON Traffic Profile	1100000002		
UNI VLAN CoS	0		
UNI VLAN TPID	0x8100		
UNI S-Tag CoS	0		
UNI S-Tag TPID	0x8100		
DSCP-CoS Profile Index	none		

Selecione o perfil de tráfego

1100000002

Ethernet Subscriber Profile

Profile	Value	Unit	Range
Admin State	up		
Loopback	disabled		
Rate	auto		
Duplex	auto		
MTU	1518		0 to 65535
Port Type	dx		
Mode	bridged		
Power Feed	disabled		
Video Profile	none		
TrafficMgmt Profile	none		
Line Status Alarm	disabled		
Alarm Severity	major		

Selecione o status da porta

Bridge Profile

Profile	Value	Unit	Range
Type	downlink		
VLAN Tagging	tagged		
VLAN ID	300		1 to 4095
S-Tag ID			0 to 4095
MVR VLAN ID			
Secure	false		
Ingress Rule-Group	default		
Egress Rule-Group	default		

Selecione o tipo da VLAN (downlink)

Selecione o modo da VLAN (tagged)

Entre com o ID da VLAN desejada

Interface VLAN Profile

Profile (WAN)	Value	Unit	Range
RG Mode	bridgedpppoe		
IP Address	0.0.0.0		
IP Server Profile	novos_ip_com_pppoe		
DHCP Server Profile	none		
Port Forward List Profile	none		

Selecione o modo bridgedpppoe

Insira o IP da porta WAN da ONT ou 0.0.0.0 para pegar por DHCP

Selecione o perfil desejado (criado anteriormente)

PPPoE Profile	Value	Unit	Range
User Name	teste3		max 64 chars
Password	*****		max 20 chars
Authentication	auto		
Retry Interval	3	sec	1 to 2147483647

Insira o usuário PPPoE

Insira a senha do usuário PPPoE

Profile (LAN)	Value	Unit	Range
IP Address	192.168.1.1		
IP Server Profile	none		
DHCP Server Profile	none		
Port Forward List Profile	none		

Insira um IP para a LAN da ONT

Insira o perfil desejado para a LAN da ONT ou deixe "none", para utilizar o padrão

Create

Clique para criar

Para configurar a segunda porta FXS, volte na tela apresentada no segundo print acima e selecione a porta 2. Insira os mesmos parâmetros mostrados na figura acima, apenas alterando os parâmetros de usuário, senha, número de discagem, etc, de acordo com seu servidor VoIP.