Comparativo de configuração CLI Vs Web da OLT 8820G

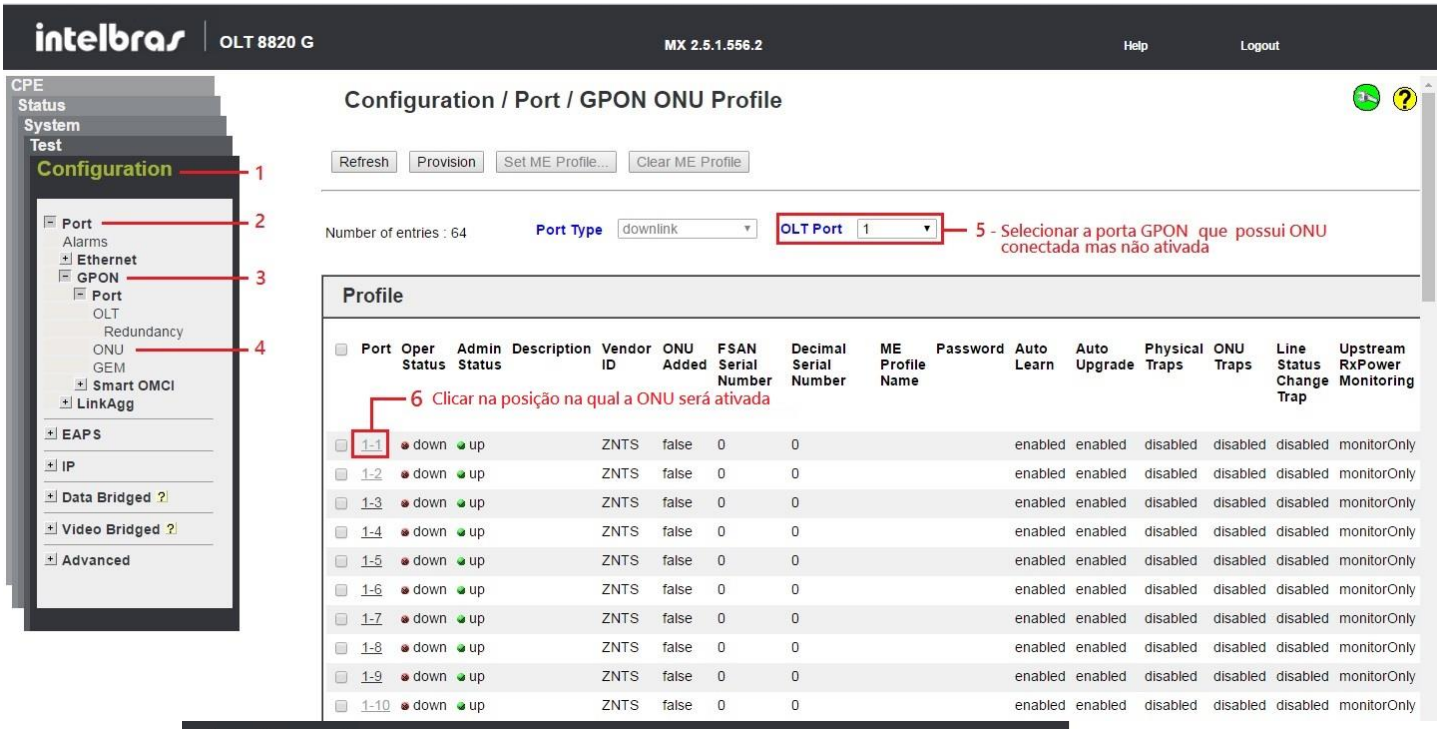
Neste exemplo será realizado a ativação de 1 ONU 110G e a configuração de 1 bridge interface de uplink e 1 bridge interface de downlink para comunicação de dados.

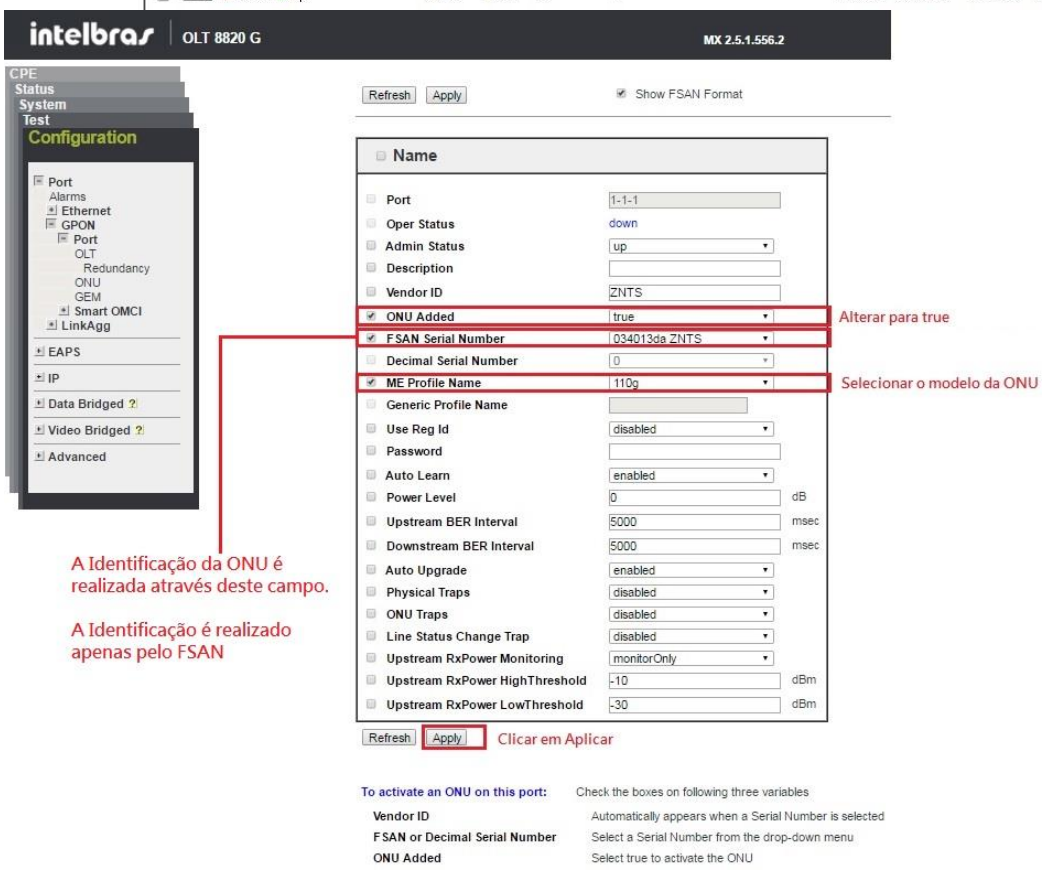
1º Passo – Identificação e ativação da ONU

CLI

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

WEB



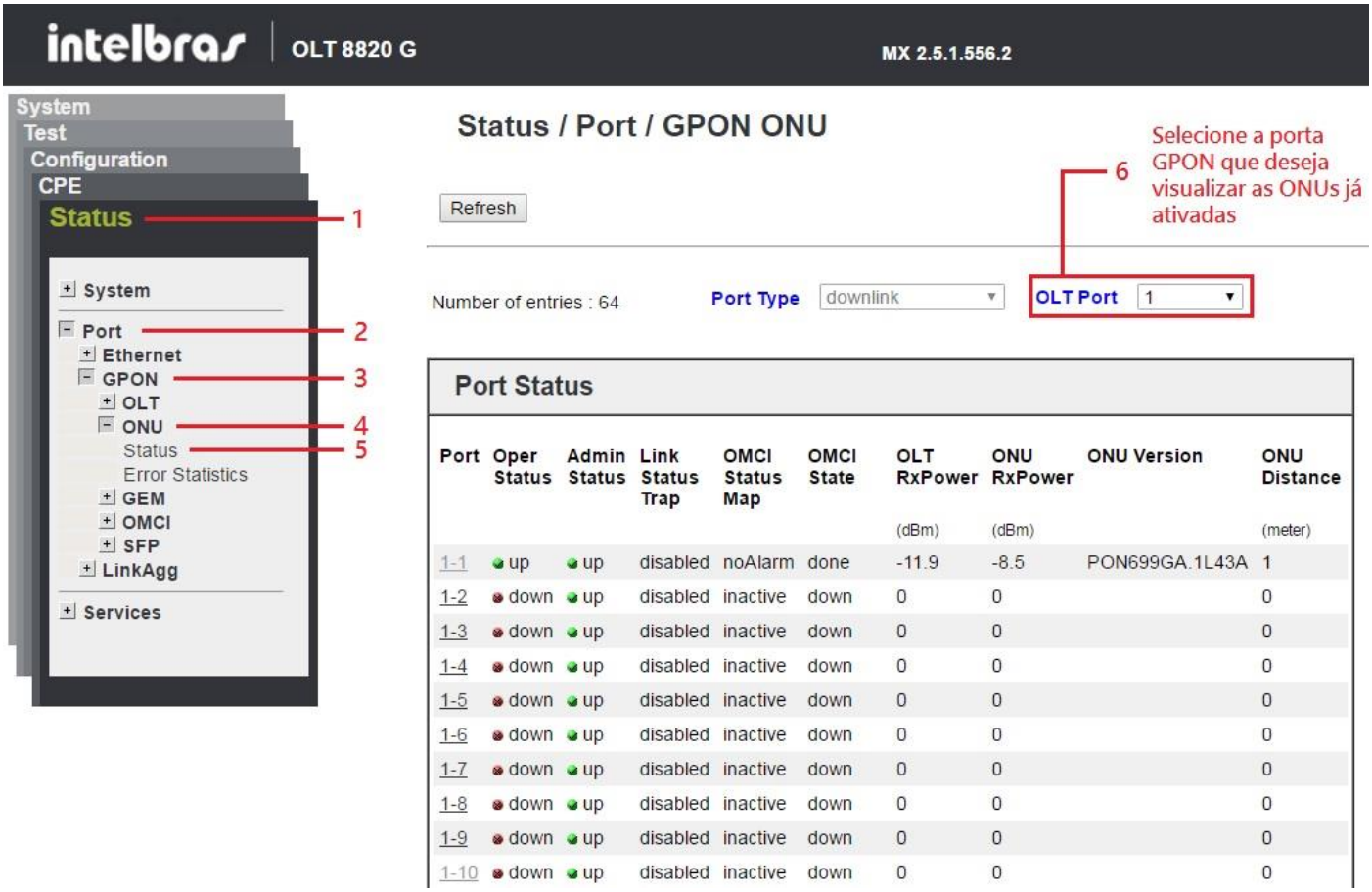


2º Passo – Visualização da ONU já ativada

CLI

onu inventory 1/1

Web

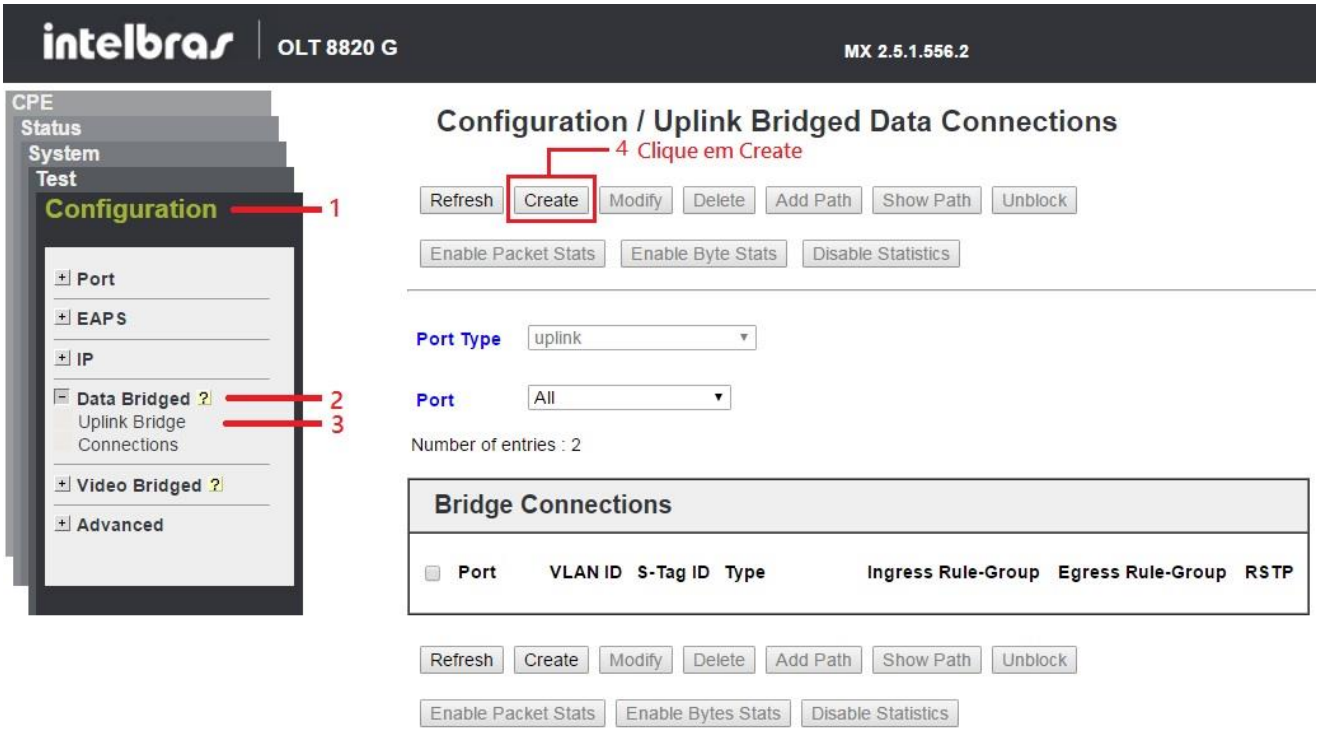


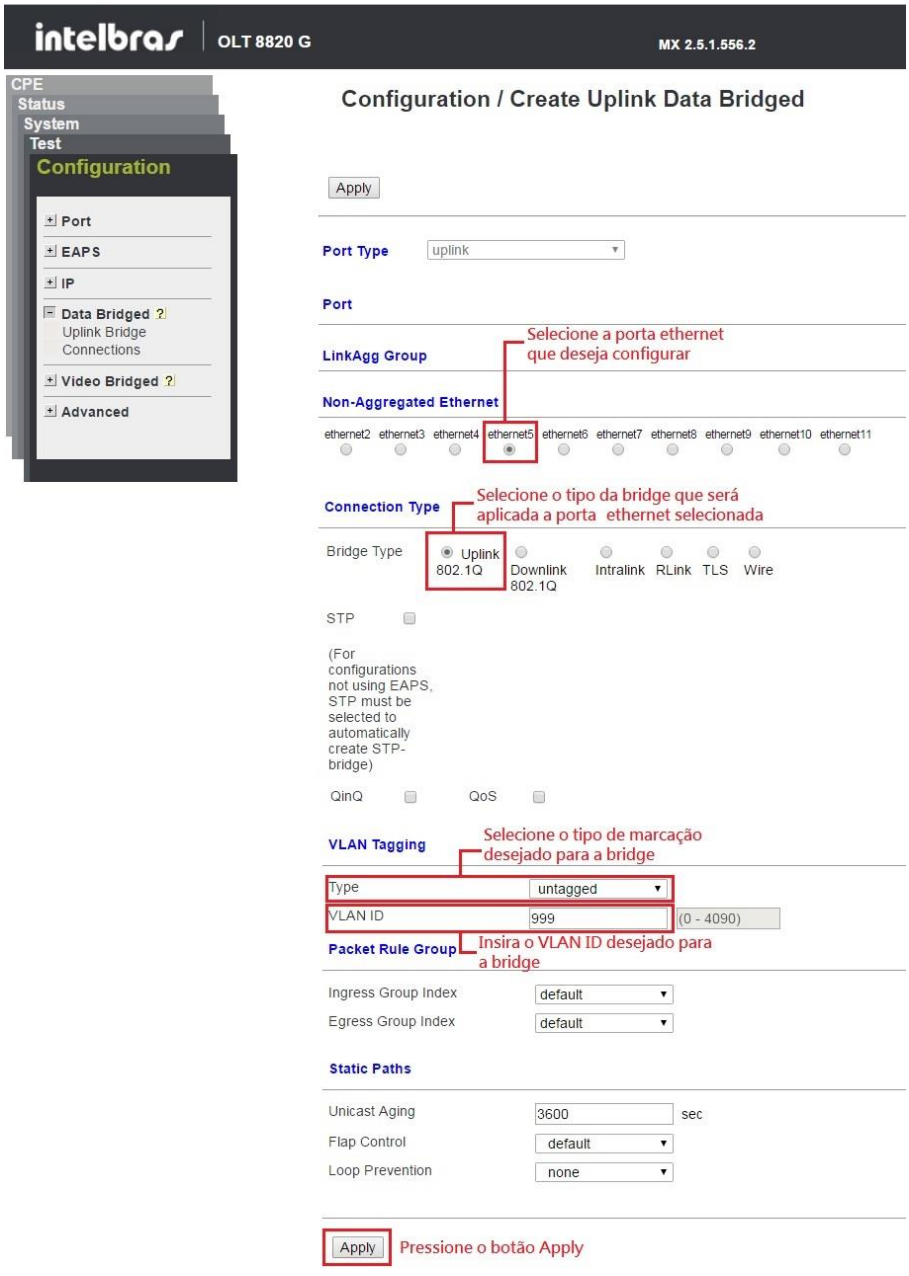
3º Passo – Configuração da bridge interface de uplink

CLI

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

WEB


intelbras
OLT 8820 G
MX 2.5.1.556.2
CPE
Status
System
Test
Configuration
1
Port
EAPS
IP
Data Bridged
2
Uplink Bridge
3
Connections
Video Bridged
Advanced
Configuration / Uplink Bridged Data Connections
4 Clique em Create
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

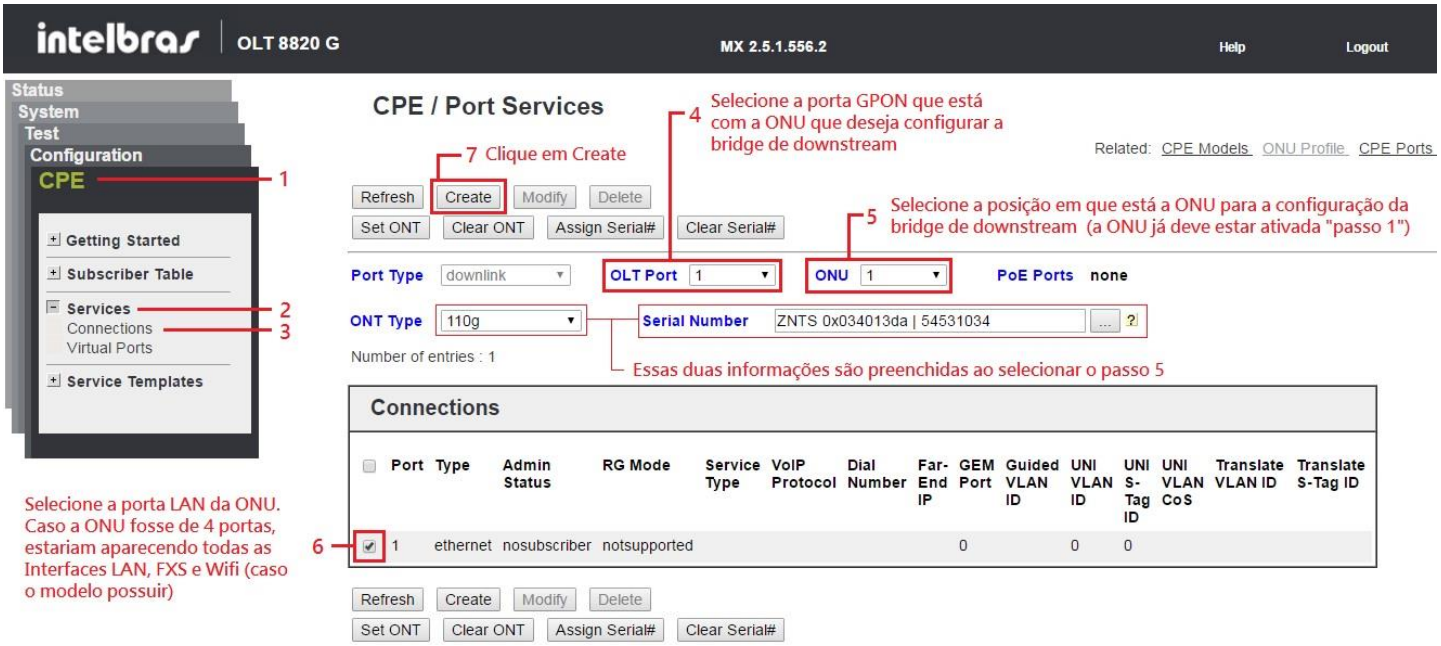

intelbras
OLT 8820 G
MX 2.5.1.556.2
CPE
Status
System
Test
Configuration
Port
EAPS
IP
Data Bridged
Uplink Bridge
Connections
Video Bridged
Advanced
Configuration / Create Uplink Data Bridged
Apply
Port Type
uplink
Port
LinkAgg Group
Selecione a porta ethernet
que deseja configurar
Non-Aggregated Ethernet
ethernet2 ethernet3 ethernet4 ethernet5 ethernet6 ethernet7 ethernet8 ethernet9 ethernet10 ethernet11
Connection Type
Selecione o tipo da bridge que será
aplicada a porta ethernet selecionada
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
Selecione o tipo de marcação
desejado para a bridge
Type
untagged
VLAN ID
999
(0 - 4090)
Packet Rule Group
Insira o VLAN ID desejado para
a bridge
Ingress Group Index
default
Egress Group Index
default
Static Paths
Unicast Aging
3600
sec
Flap Control
default
Loop Prevention
none
Apply
Pressione o botão Apply

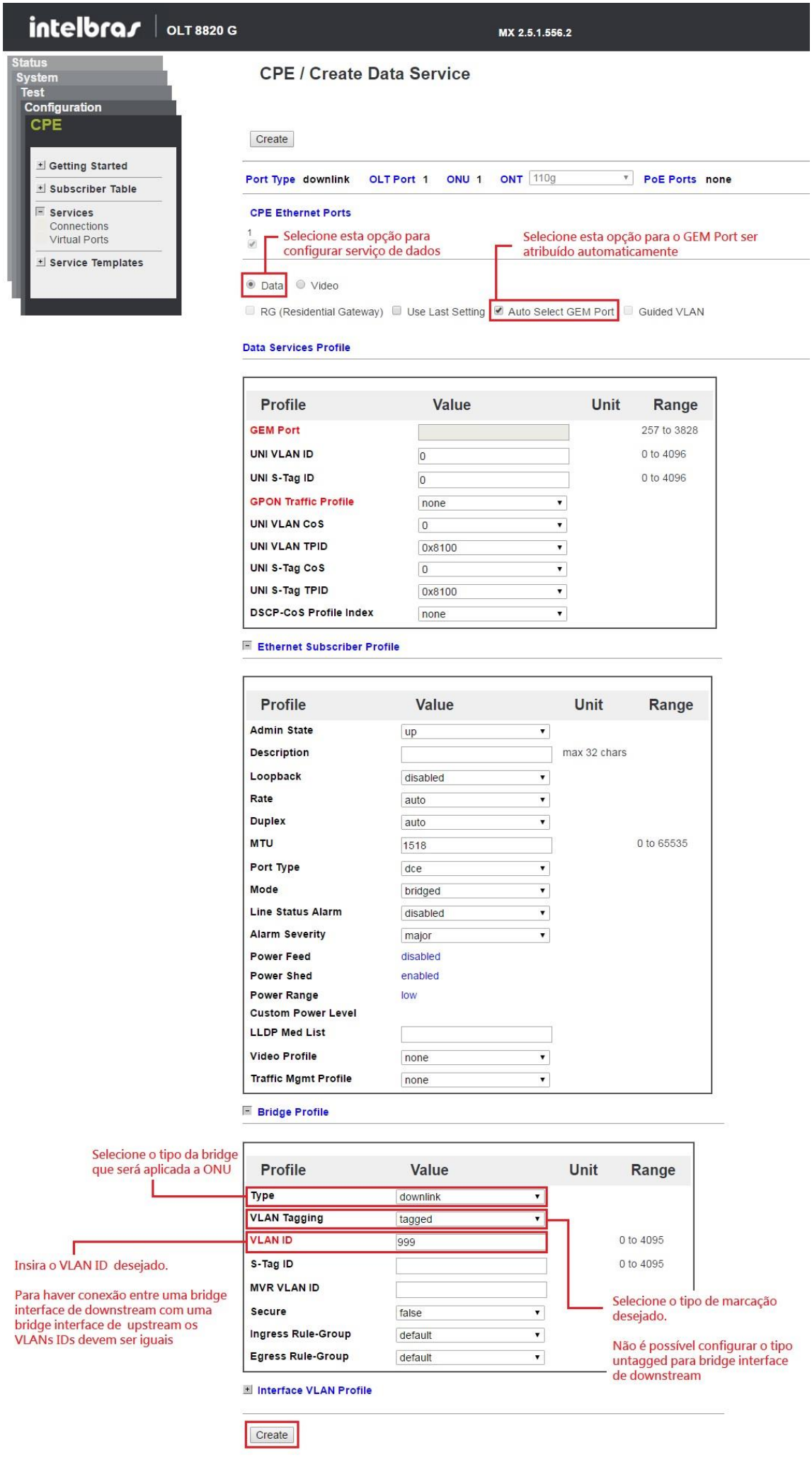
4º Passo – Configuração da bridge interface de downlink

CLI

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

Web



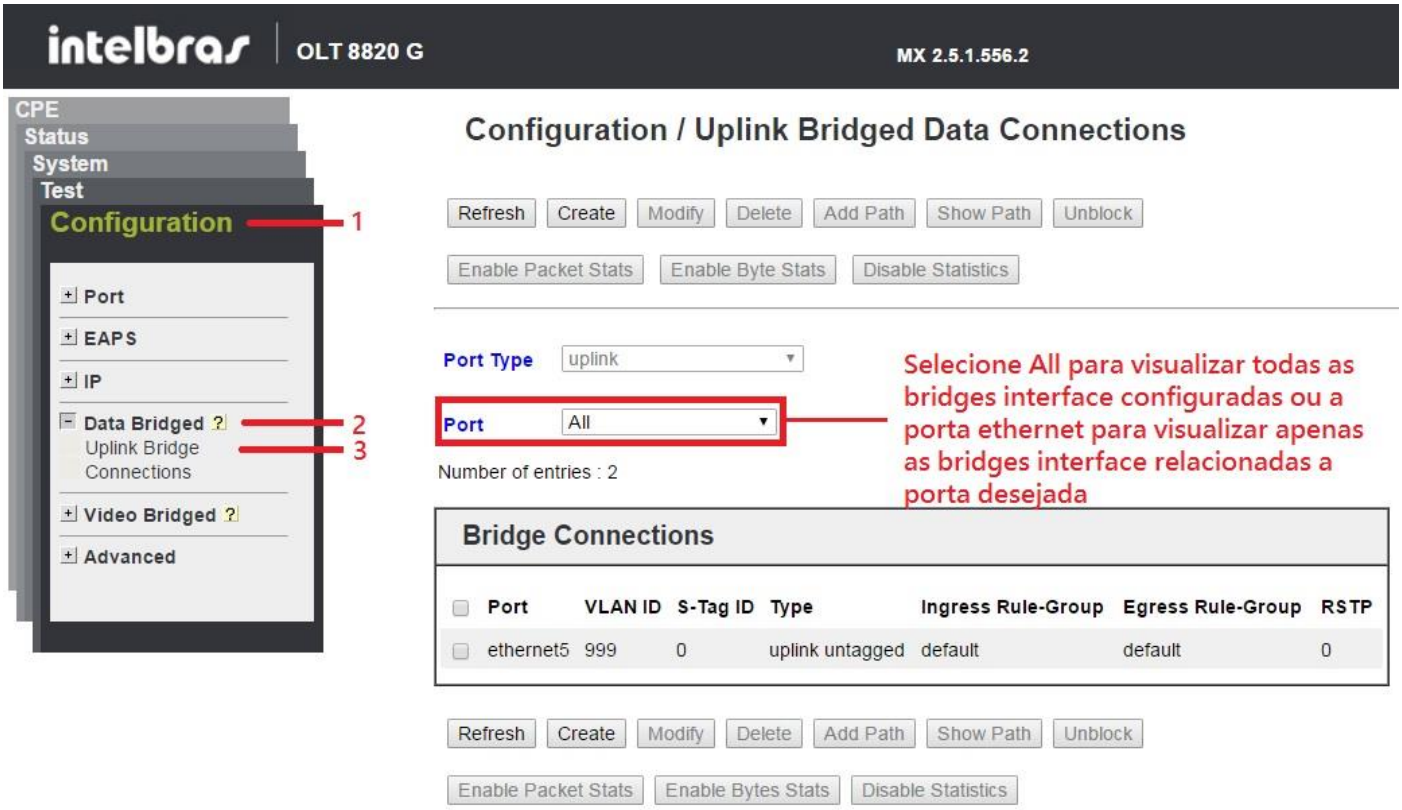

intelbras | OLT 8820 G
MX 2.5.1.556.2
Status
System
Test
Configuration
CPE
Getting Started
Subscriber Table
Services
Connections
Virtual Ports
Service Templates
CPE / Create Data Service
Create
Port Type downlink OLT Port 1 ONU 1 ONT 110g PoE Ports none
CPE Ethernet Ports
1
Selecione esta opção para configurar serviço de dados
Selecione esta opção para o GEM Port ser atribuído automaticamente
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
Selecione o tipo da bridge que será aplicada a ONU
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
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
Interface VLAN Profile
Create

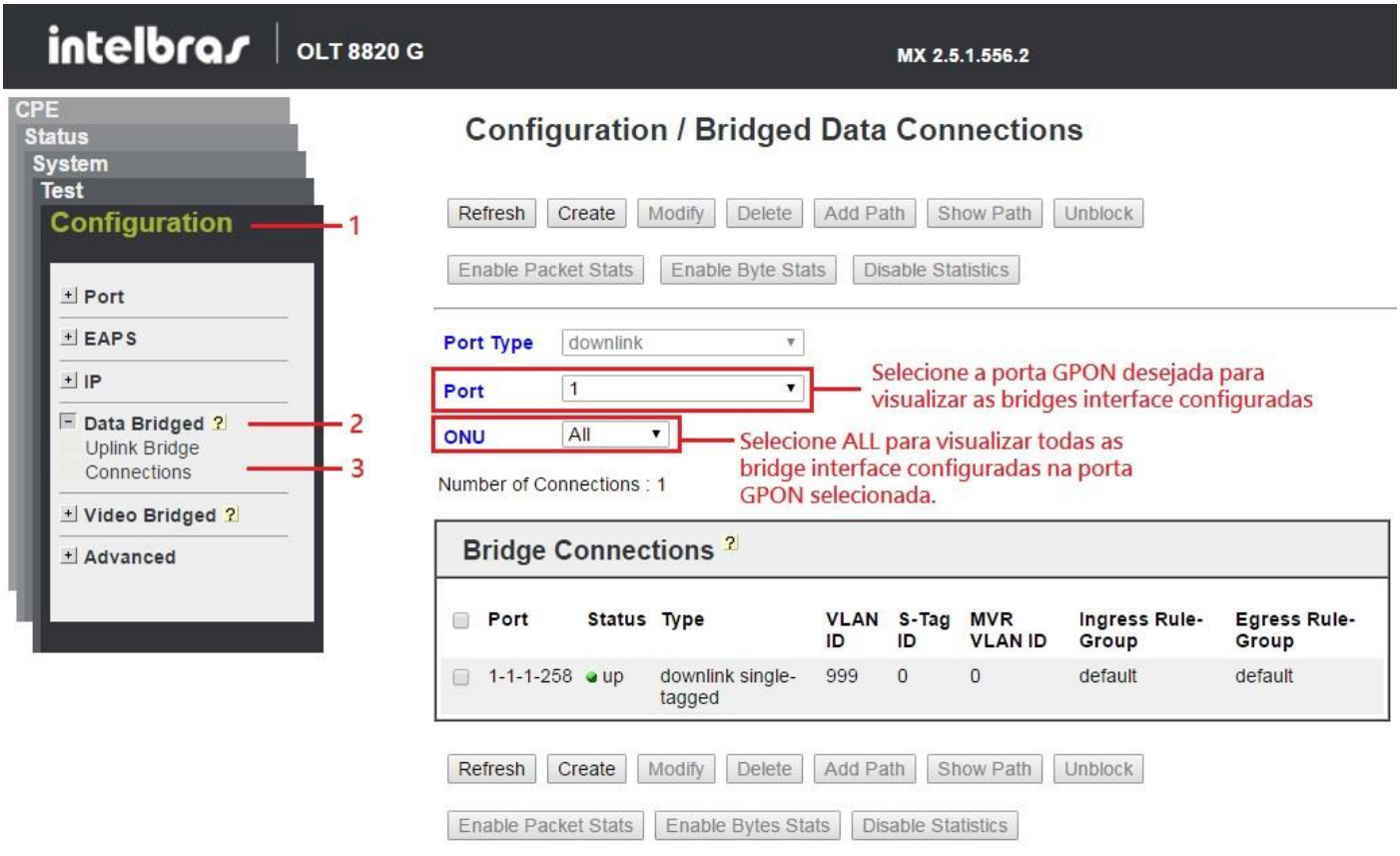
5º Passo – Visualização das bridges interface configuradas

CLI

```
bridge show
```

Web





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

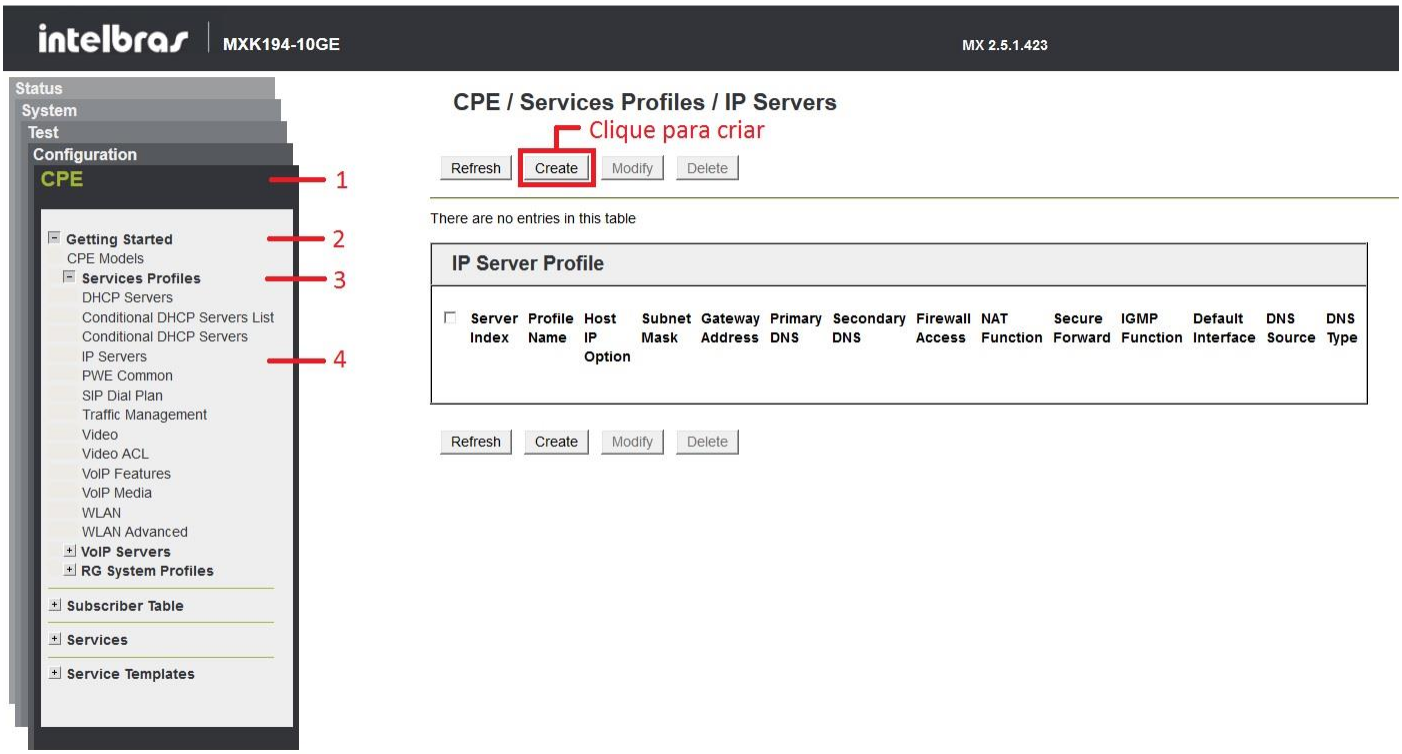
- Deve-se criar uma única vez um profile global para as configurações PPPoE, este profile habilitará o NAT nas ONTs (em nosso exemplo utilizaremos uma ONT 1420G).

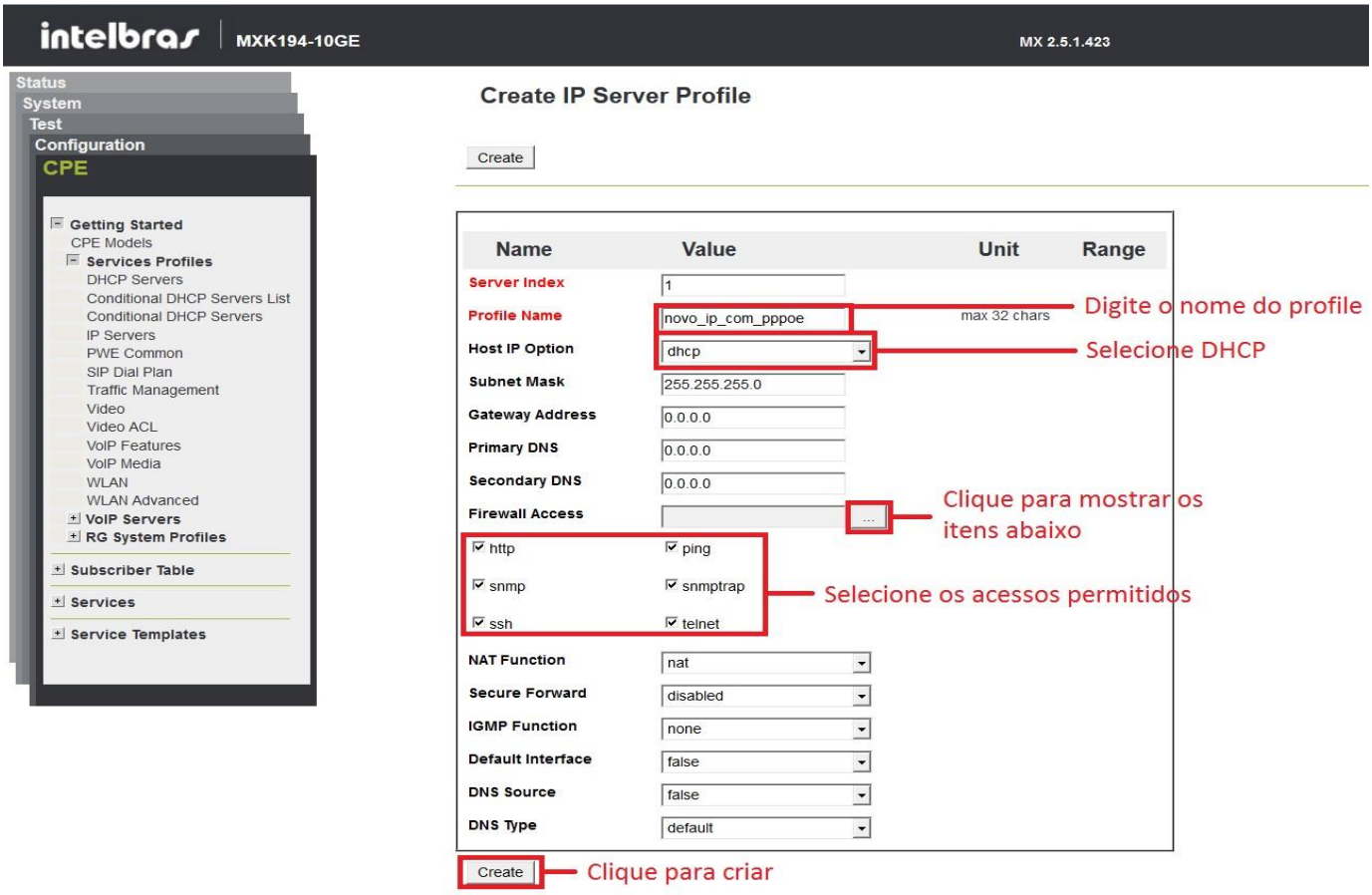
1º Passo – Criar um profile global para as configurações do PPPoE
- Obs.: a OLT já vem com um profile default DHCP. Caso não crie um profile e associe uma ONT com PPPoE, ela irá utilizar o profile default da OLT para entrega de IP.

CLI

cpe rg wan ip-com add novo_ip_com_pppoe host-ip-option dhcp nat nat firewall-access all

Web



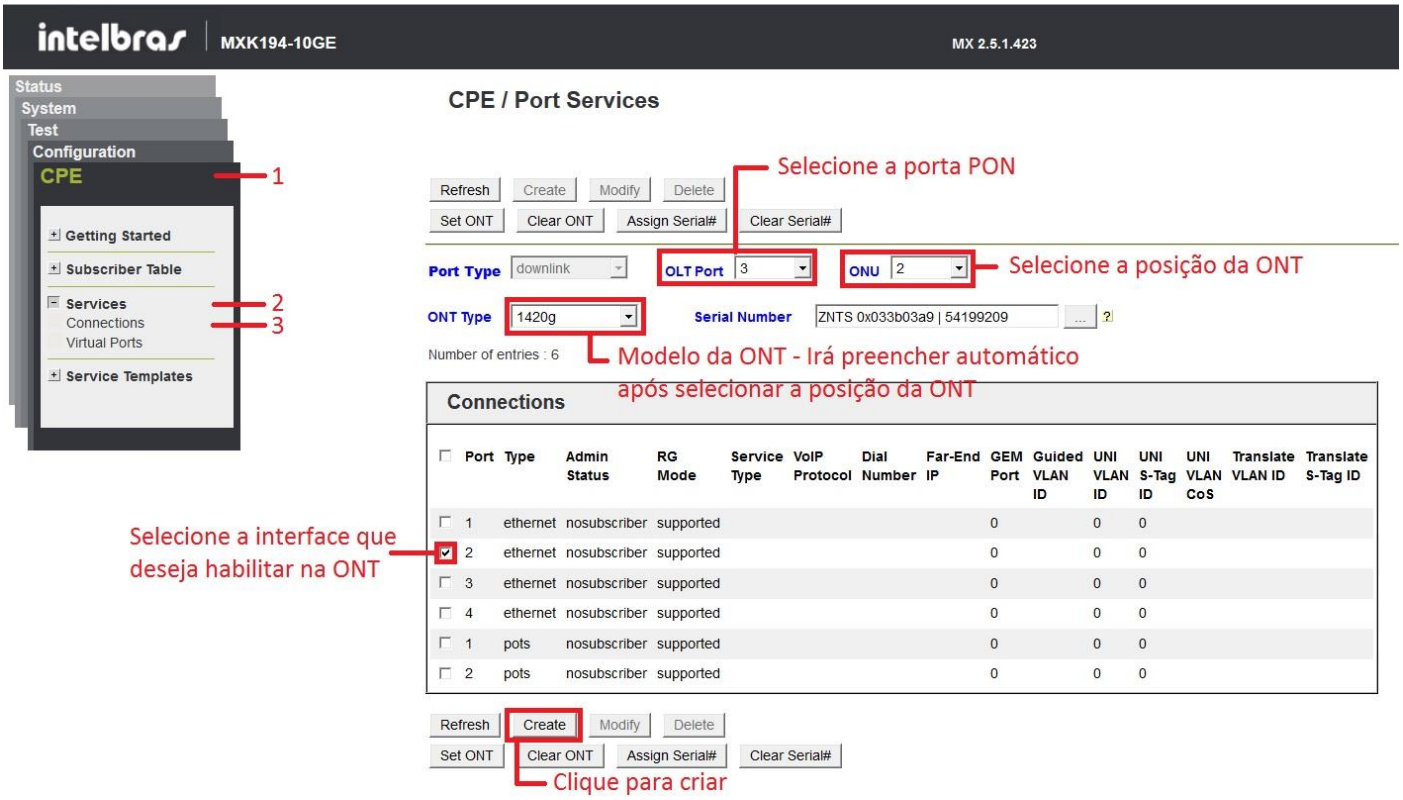


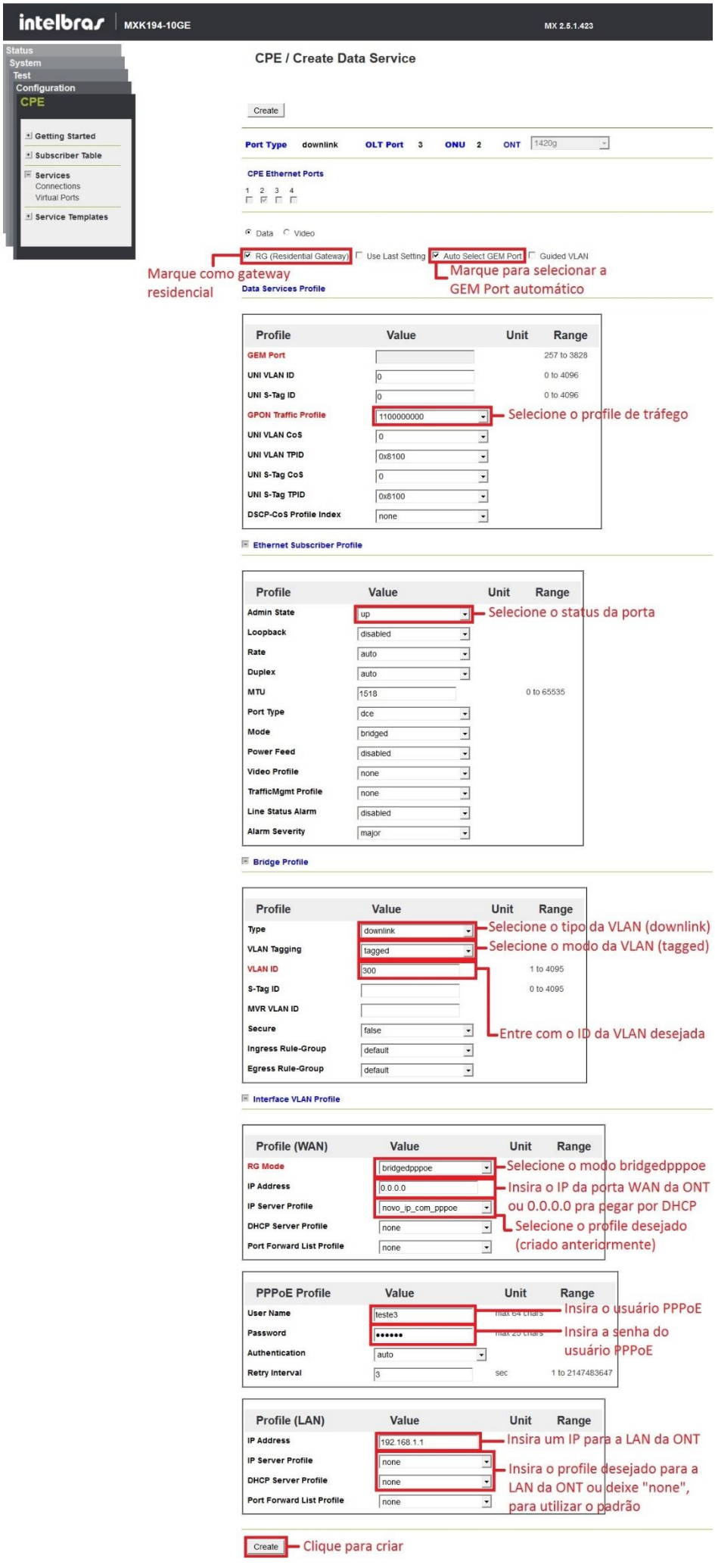
2º Passo – configurar bridge de downlink na porta ethernet da ONT.
- Neste caso iremos configurar a VLAN 300 na porta 2 da ONT.

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


intelbras
MXK194-10GE
MX 2.5.1.423
Status
System
Test
Configuration
CPE
1
Getting Started
Subscriber Table
Services
2
Connections
3
Virtual Ports
Service Templates
CPE / Port Services
Selecione a porta PON
Refresh
Create
Modify
Delete
Set ONT
Clear ONT
Assign Serial#
Clear Serial#
Port Type
downlink
OLT Port
3
ONU
2
Selecione a posição da ONT
ONT Type
1420g
Serial Number
ZNTS 0x033b03a9 | 54199209
Number of entries : 6
Modelo da ONT - Irá preencher automático
após selecionar a posição da ONT
Connections
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
1 ethernet nosubscriber supported 0 0 0
2 ethernet nosubscriber supported 0 0 0
3 ethernet nosubscriber supported 0 0 0
4 ethernet nosubscriber supported 0 0 0
1 pots nosubscriber supported 0 0 0
2 pots nosubscriber supported 0 0 0
Selecione a interface que
deseja habilitar na ONT
Refresh
Create
Modify
Delete
Set ONT
Clear ONT
Assign Serial#
Clear Serial#
Clique para criar


intelbras | MXK194-10GE
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 1100000000
Selecione o profile de tráfego
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
Selecione o status da porta
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
Bridge Profile
Profile Value Unit Range
Type downlink
Selecione o tipo da VLAN (downlink)
VLAN Tagging tagged
Selecione o modo da VLAN (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
Entre com o ID da VLAN desejada
Interface VLAN Profile
Profile (WAN) Value Unit Range
RG Mode bridgedpppoe
Selecione o modo bridgedpppoe
IP Address 0.0.0.0
Insira o IP da porta WAN da ONT ou 0.0.0.0 pra pegar por DHCP
IP Server Profile novo_ip_com_pppoe
DHCP Server Profile none
Port Forward List Profile none
Selecione o profile desejado (criado anteriormente)
PPPoE Profile Value Unit Range
User Name teste3 max 64 chars
Insira o usuário PPPoE
Password ••••••
Insira a senha do usuário PPPoE
Authentication auto
Retry Interval 3 sec 1 to 2147483647
Profile (LAN) Value Unit Range
IP Address 192.168.1.1
Insira um IP para a LAN da ONT
IP Server Profile none
DHCP Server Profile none
Insira o profile desejado para a LAN da ONT ou deixe "none", para utilizar o padrão
Port Forward List Profile none
Create
Clique para criar

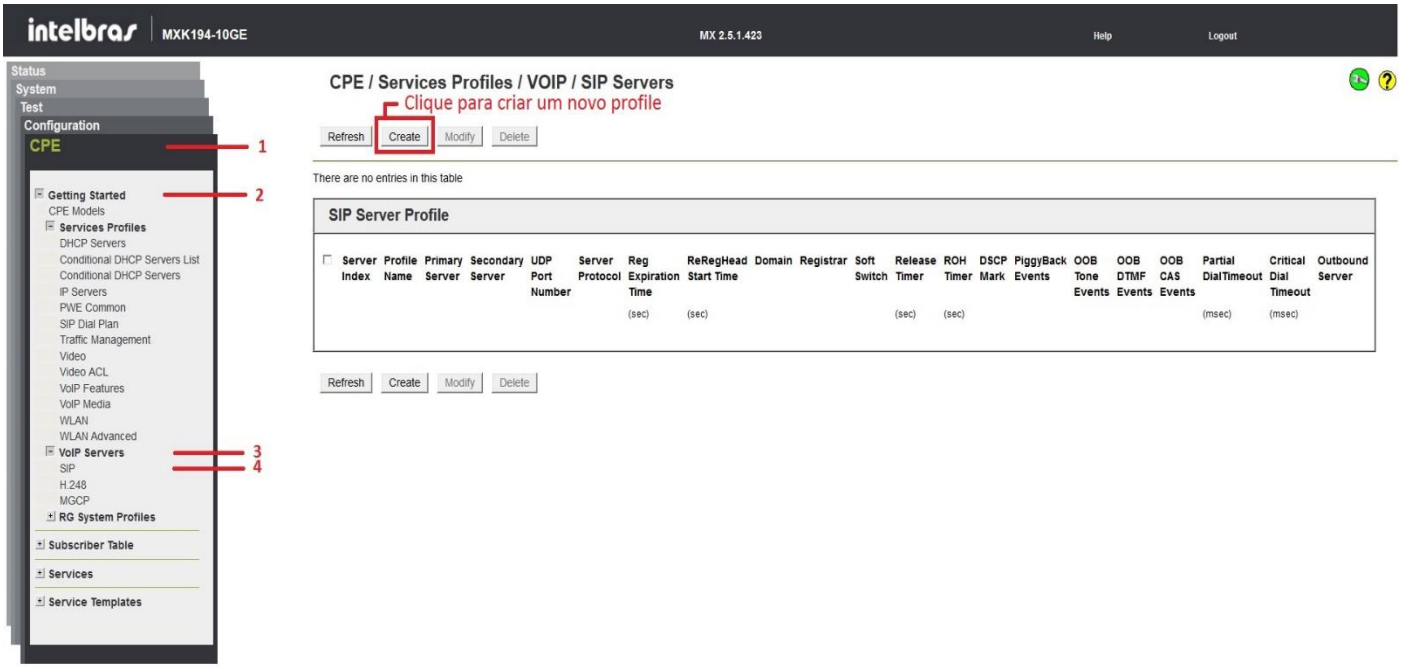
Configurações de bridge de downlink (porta PON) – Configuração de VOZ – método 1 (Voz DOMCI)

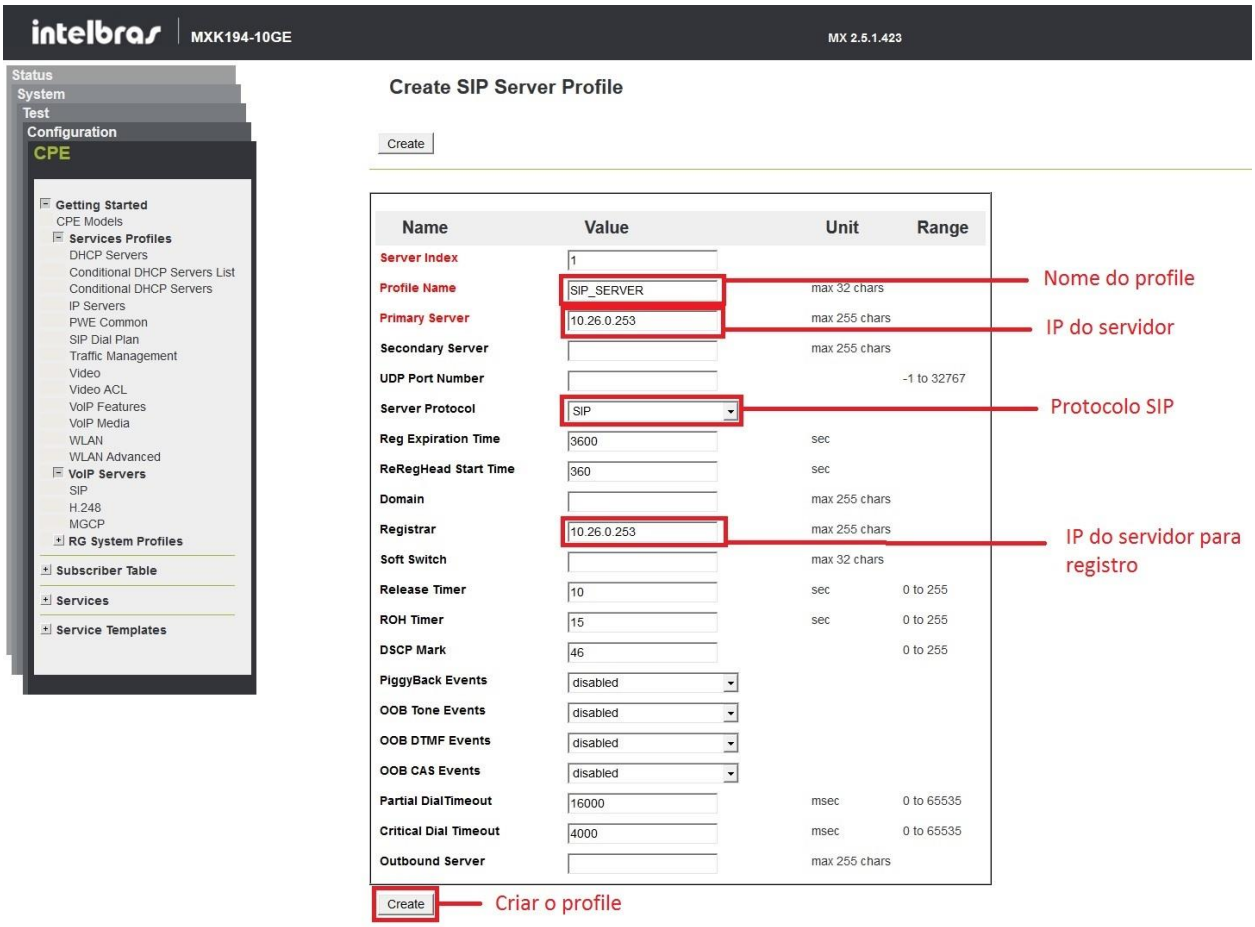
CLI

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.





• 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

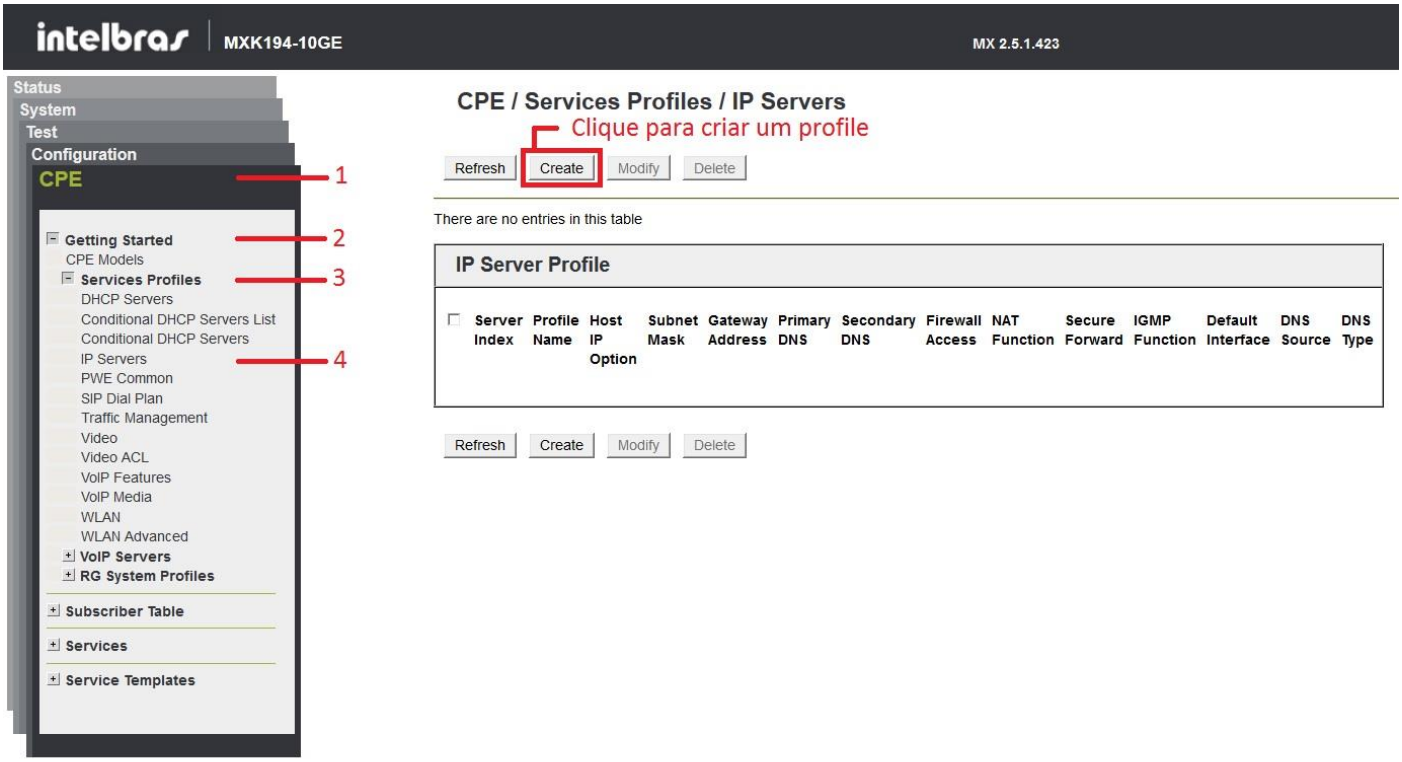
- Obs.: o profile para voz pode ser o mesmo criado para o PPPoE, visto que é apenas a determinação do IP que irá utilizar. Neste passo a passo mostraremos como criar outro, caso queira deixar em profiles separados.

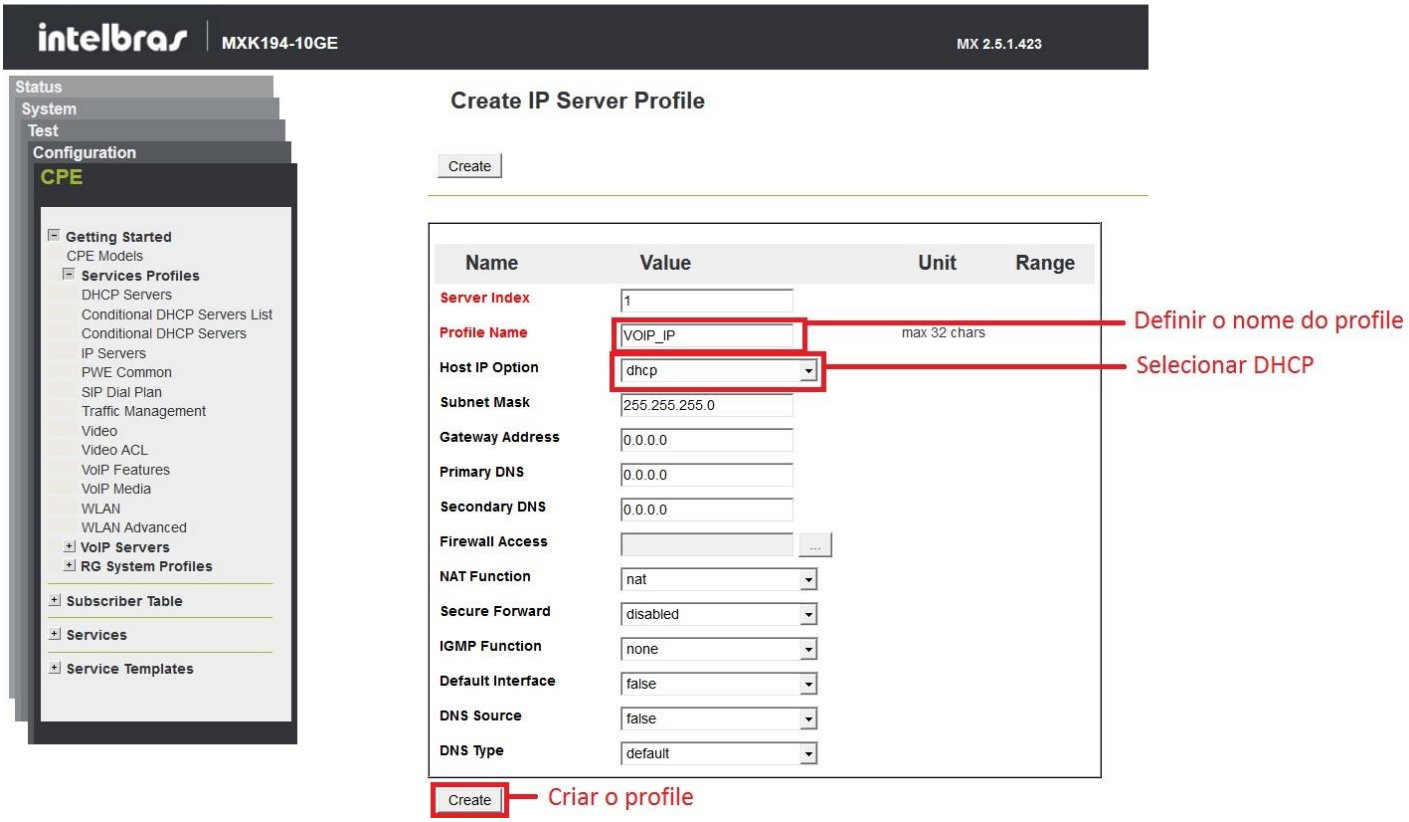
- Profile global para IP via DHCP:

CLI

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

Web



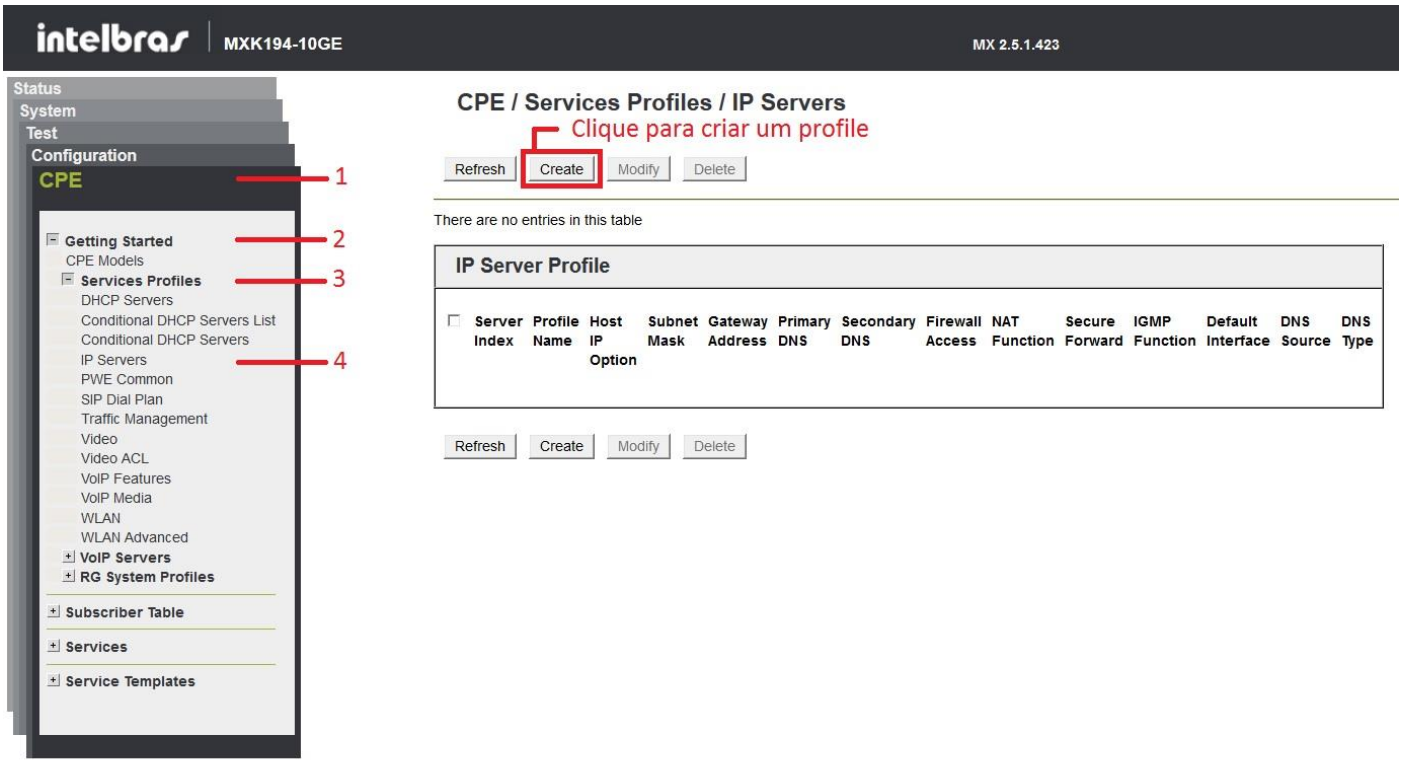


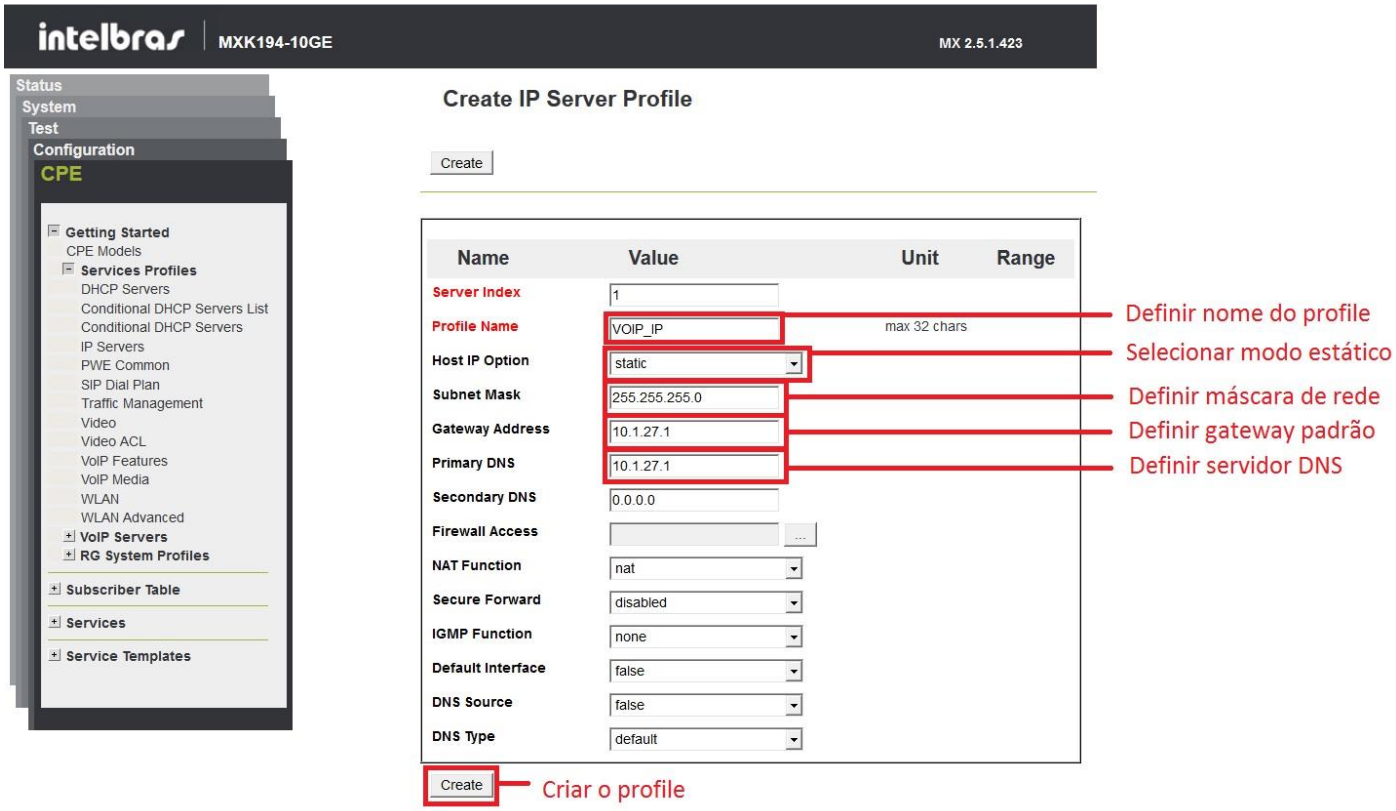
- Profile global para IP estático:

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





- Verificar os profiles criados:

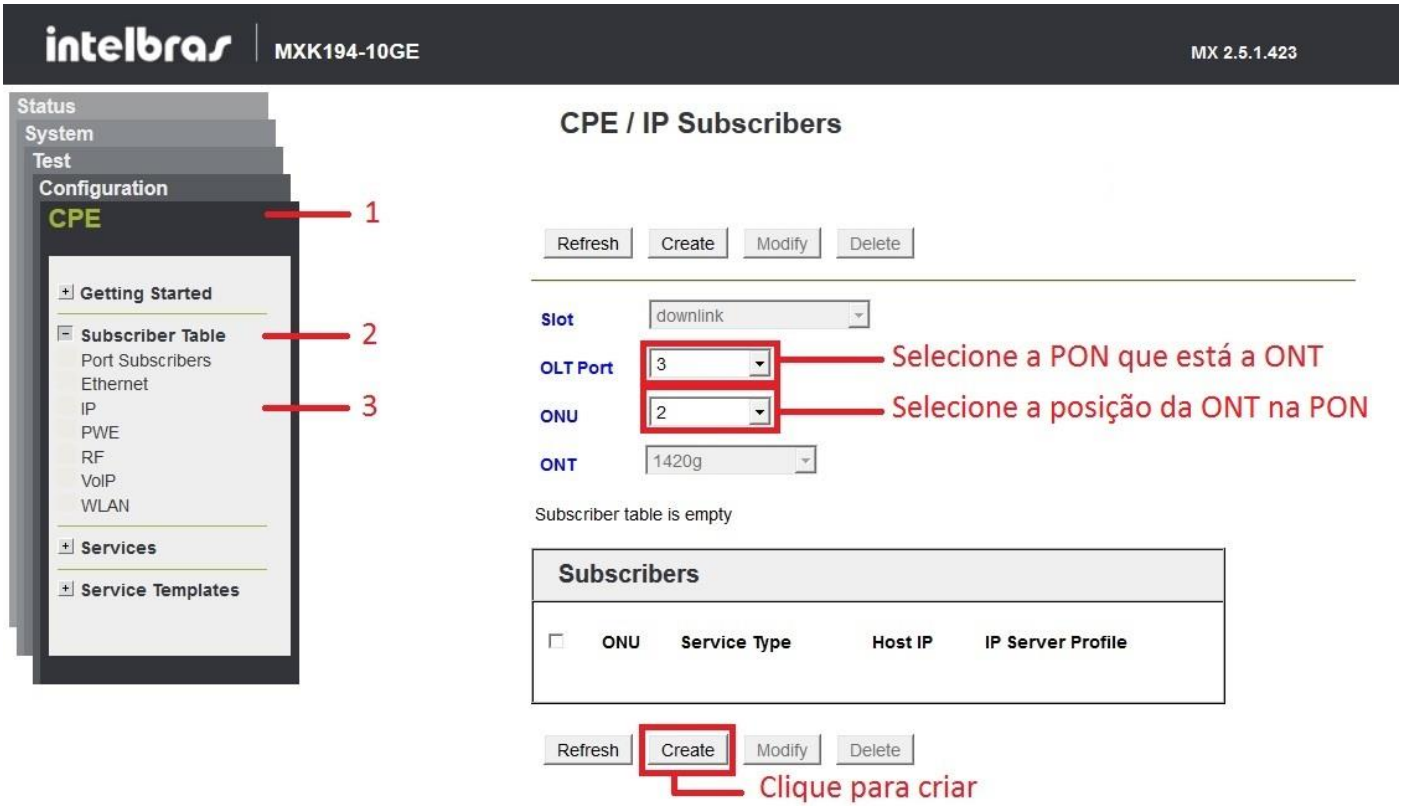
3º Passo – Atrelar o novo profile global criado na ONT desejada para receber IP via DHCP

- 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

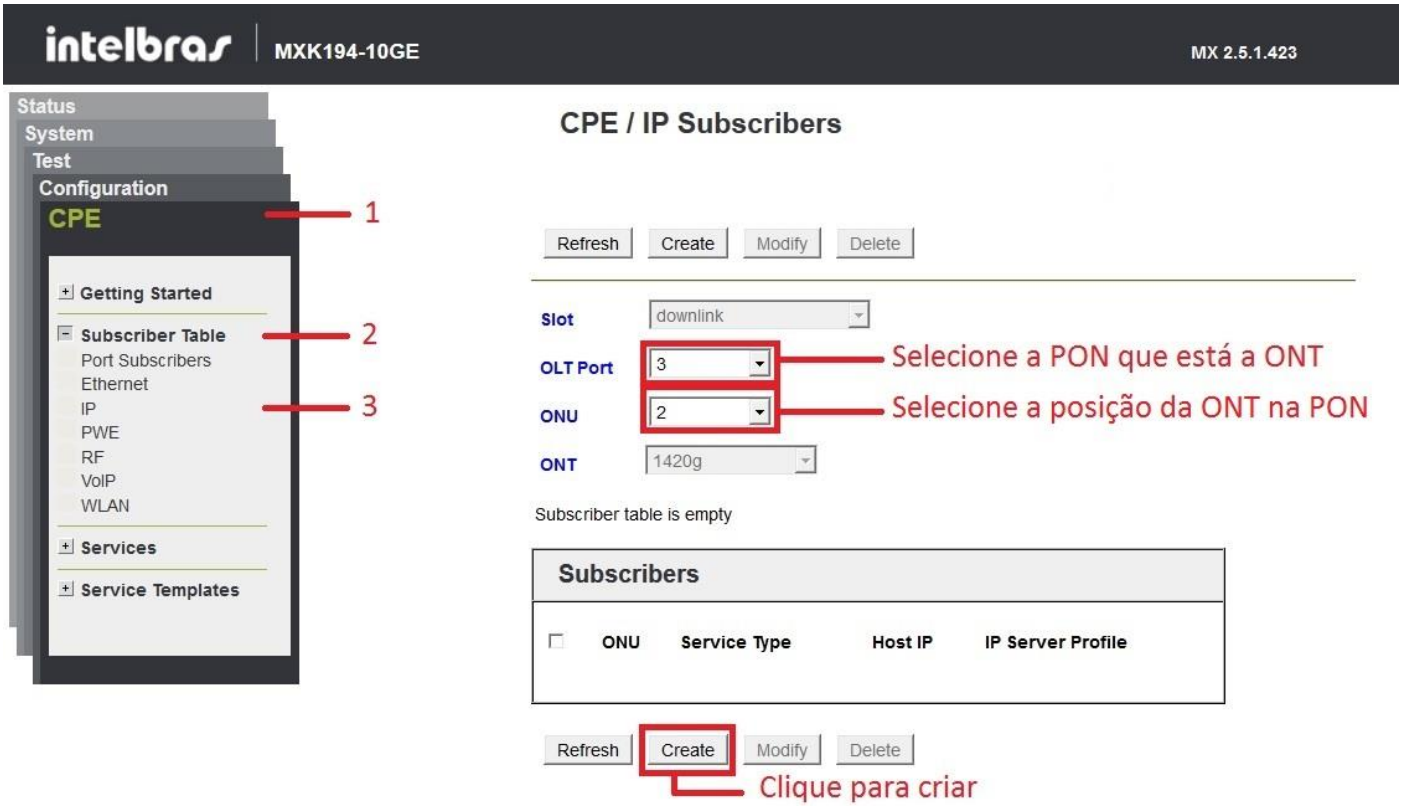


- Inserindo IP estático para acesso ao servidor VOIP.

CLI

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

Web



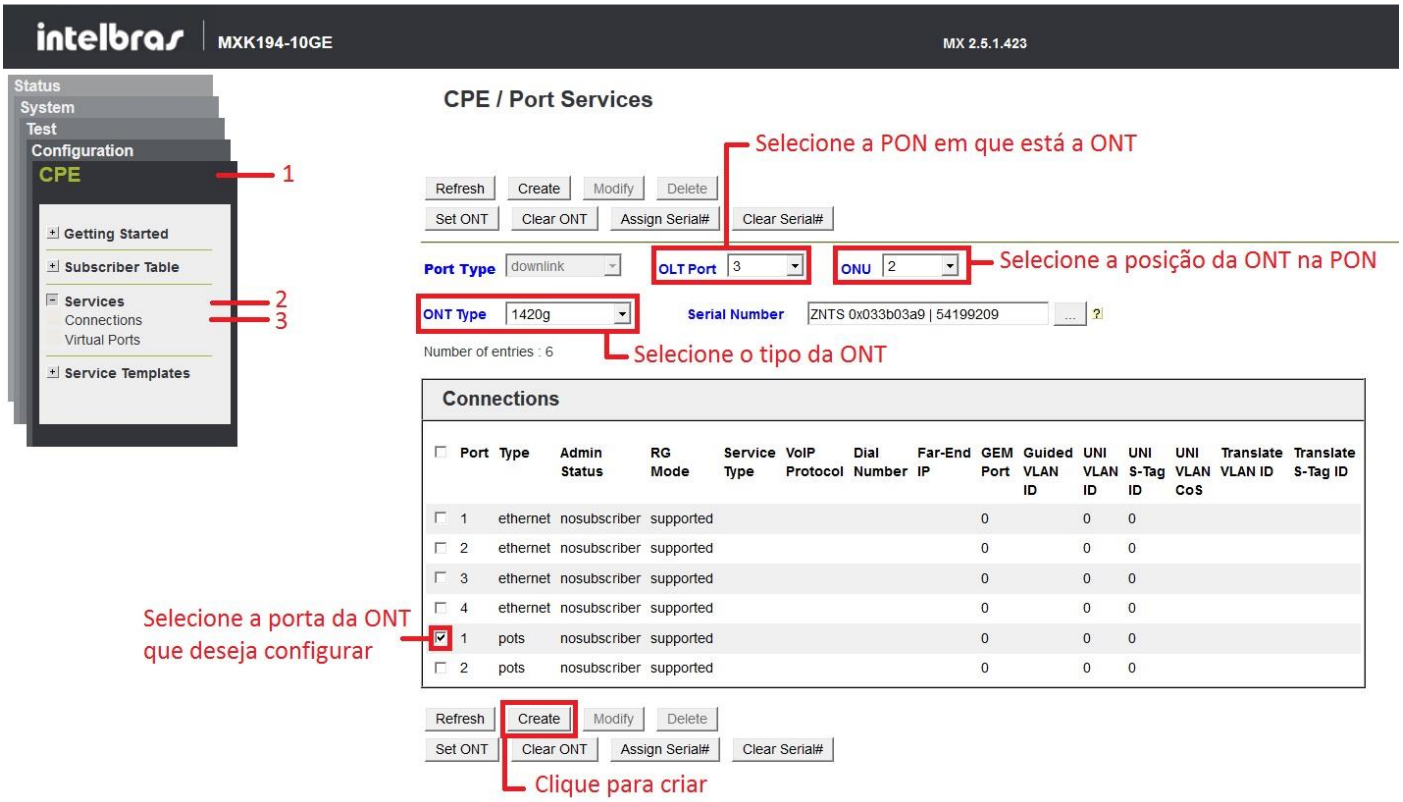
4º Passo – Configurar as portas da ONT

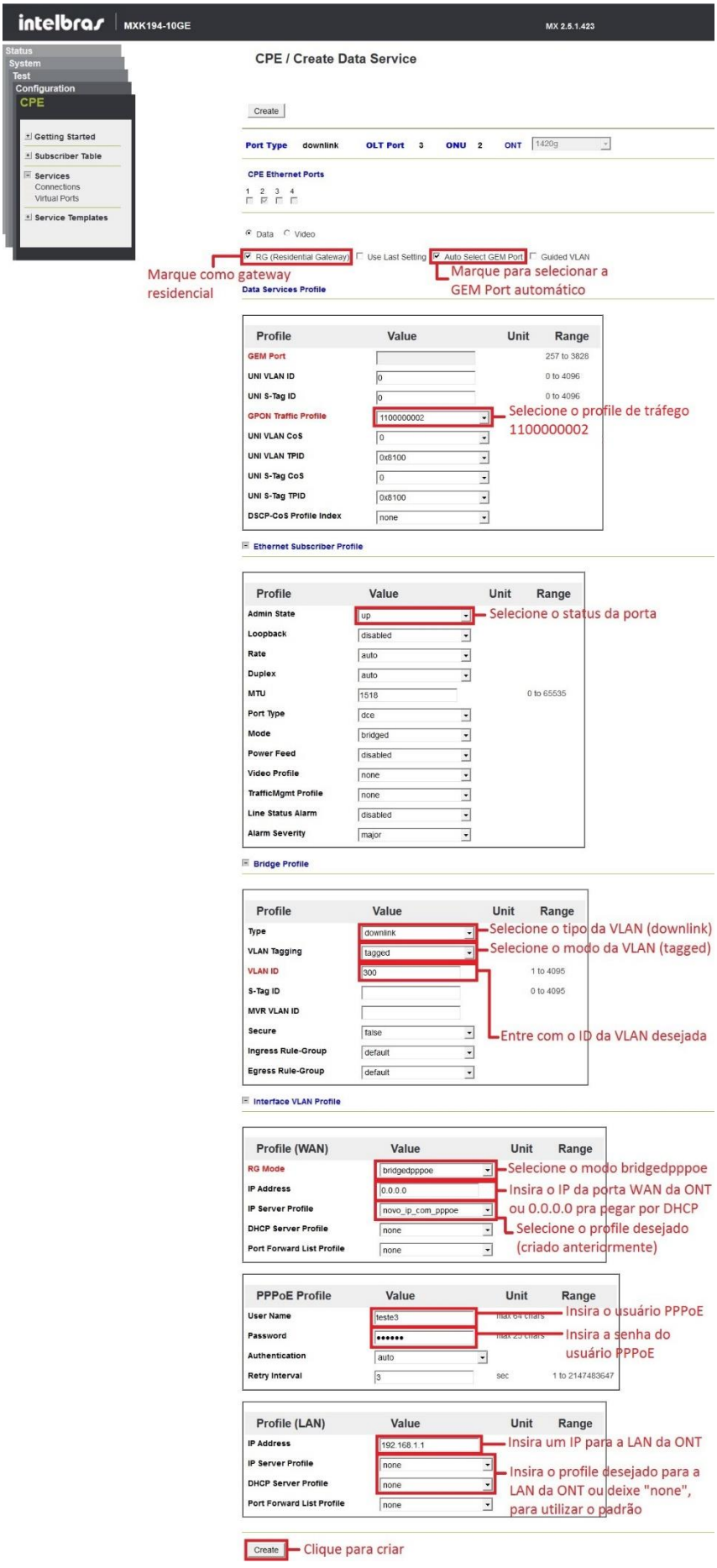
- Configurar a ONT 1420NG na bridge de voz.
- Configurar as portas FXS da ONT para registrar no servidor VOIP que está utilizando a VLAN 400 (conforme criado acima).

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





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.