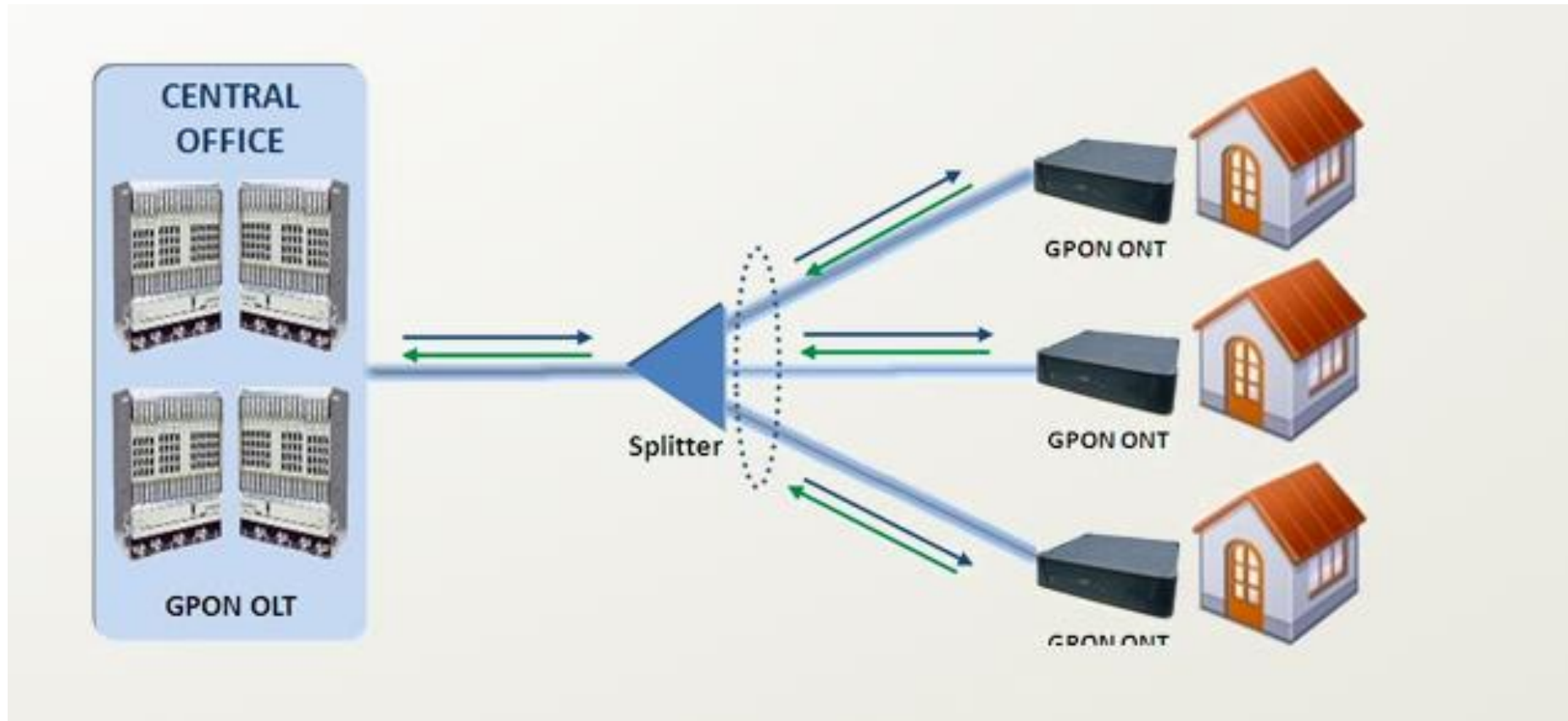


Redes GPON com OLT Huawei

VirteX Telecom

Rodrigo C. C. L. B. E. R. T. A. ... O. G. Leal

Entendendo o Processo



Modelos de OLT



MA5680T



MA5603T



MA5608T

Modelos de ONT



HG8010H



HG8210H



HG8245H

Configurações

- O provisionamento é baseado em pré-requisitos:
 - ❖ Db-profile;
 - ❖ Ont-lineprofile;
 - ❖ Ont-srvprofile.

O que é Dba?

- DBA
 - *Dynamic Bandwith Assignment*

dba-profile add type4 max 102400

dba-profile add type4 max 499968

O que é Ont-srvprofile?

```
ont-srvprofile gpon profile-id X profile-name "X"  
  ont-port eth 1  
  port vlan eth 1 translation VLANID user-vlan VLANID  
  commit  
quit
```

O que é Ont-lineprofile?

```
ont-lineprofile gpon profile-id Y profile-name "Y"
```

```
    tcont 1 dba-profile-id X
```

```
    gem add GEM-ID eth tcont 1
```

```
    gem mapping GEM-ID 0 vlan VLAN-ID
```

```
    commit
```

```
quit
```


Fernandinho!

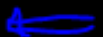
- **O que você queria!**

Script – Provisionar HG8120H

enable

configure terminal

display ont autofind all

```
-----  
Number           : 1  
F/S/P           : 0/12/0   
Ont SN          : 48575443D3C10290 (HWTC-D3C10290)  
Password        : 0x000000000000000000000000  
Loid            :  
Checkcode       :  
VendorID        : HWTC  
Ont Version     : 867.A  
Ont SoftwareVersion : V3R015C10S150  
Ont EquipmentID  : HG8120H  
Ont autofind time : 2018-05-10 21:23:38+08:00  
-----
```

```
The number of GPON autofind ONT is 1
```

Script – Provisionar HG8120H

interface gpon 0/12

ont add 0 sn-auth 48575443D3C10290 omci ont-lineprofile-id 2 ont-srvprofile-id 2 desc "FERNANDINHO DA DEPRESSAO"

```
FTTH-CDD-HUAWEI(config-if-gpon-0/12)#ont add 0 sn-auth 48575443D3C10290 omci ont-lineprofile-id 2 ont-srvprofile-id 2 desc "FERNANDINHO DA DEPRESSAO"  
Number of ONTs that can be added: 1, success: 1  
PortID :0, ONTID :0
```

ont port native-vlan 0 0 eth 1 vlan 3500

quit

Script – Provisionar HG8120H

```
service-port vlan 3500 gpon 0/12/0 ont 0 gemport 10 multi-service  
user-vlan 3500 tag-transform translate
```

- Os valores das OLTs de GEMPORT, de VLAN já estão todos definidos.

Qual o Resultado Esperado?

Dê esse comando para ver o Service-port do cliente

```
FTTH-CDD-HUAWEI(config)#display service-port port 0/12/0
{ <cr>|autosense<K>|e2e<K>|ont<K>|sort-by<K> }:
```


Command:

```
display service-port port 0/12/0
```

Switch-Oriented Flow List

INDEX	VLAN ID	VLAN ATTR	PORT TYPE	F/ S/ P	VPI	VCI	FLOW TYPE	FLOW PARA	RX	TX	STATE
4005	3500	common	gpon	0/12/0	0	10	vlan	3500	-	-	up

Total : 1 (Up/Down : 1/0)



E se o Service-port retornar DOWN?

- Desprovisiona, e começa novamente, houve algum erro nas informações repassadas no provisionamento!
- undo service-port 4005
- interface gpon 0/12
- ont delete 0 0
- OBS: Veja o número do seu service-port, a numeração é dinâmica!

OLT e os Dados que Precisam!

OLT	GEMPORT	ONT-LINEPROFILE	ONT-SRVPROFILE	VLAN
Huawei CDD	10	1 – HG8010H 2 – HG8120H 3 – HG8245H	1 – HG8010H 2 – HG8120H 3 – HG8245H	3500
Huawei Bocaina	126	1 – HG8010H 2 – HG8120H 3 – HG8245H	1 – HG8010H 2 – HG8120H 3 – HG8245H	696
Huawei São Julião	10	1 – HG8010H 2 – HG8120H 3 – HG8245H	1 – HG8010H 2 – HG8120H 3 – HG8245H	155

Script Genérico

1. enable
2. configure
3. interface gpon 0/[portaslotid]
4. ont add [portaid] sn-auth [serial] omci ont-lineprofile-id [ID] ont-srvprofile-id [ID] desc "[nomeCliente]"
5. ont port native-vlan [portaid] [onuID] eth 1 vlan [VLAN ID]
6. ont port native-vlan [portaid] [onuID] eth 2 vlan [VLAN ID]
7. quit
8. service-port [servicoPortaID] vlan [VLAN ID] gpon 0/[portaslotid]/[portaid]
ont [onuID] gempport [GEM ID] multi-service user-vlan [VLAN ID] tag-transform translate

Links to Read!

- <https://github.com/rodrigocarlos2/X/blob/master/README.md>
- <http://redesponcomhuawei.blogspot.com.br/>
- <http://gponsolution.com/>