FAQ Cianet / ... / CTS2780

Configuração de VLAN CTS2780

Created by Luis Cleomir , last modified on Jun 18, 2015

A configuração abaixo exemplifica a criação de 2 vlans no equipamento, 1 para cada porta. A configuração irá retirar a vlan tag

no sentido downstream e adicionando a vlan na porta no sentido upstream.

Primeiramente vamos configurar a passagem das VLANs nas portas UPLINK e PONs. Dê um duplo clique em Switch Control:



Na janela que apresentou, vá no menu VLAN Management:

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Nesta tela, marque a opção VLAN Enable, coloque o ID da VLAN (nosso exemplo é 10) e marque as portas que irá passar a VLAN.

As portas ficam representadas da seguinte forma:

-> De Port1 à Port8 é a representação da UPLINKS;

-> De Port9 à Port16 é a representação da portas PON, exemplo: Port9 = 1/1, Port10 = 1/2, Port11 = 2/1, e assim sucessivamente.

A opção de Untagged Ports é utilizada para a desmarcação das TAGs de VLAN para Upstream nas portas UPLINKs e Downstream nas portas PON.

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Feito isso, volte ao menu Basic Information e clique em Save:

Via ONU ACL

Procedimento é feito para a configura das ONUs modelos CTS2701b, CTS2701c, CTS2702b e CTS2702c, com firmware 2.30 ou inferior.

Feito a configuração na Gerencia, faça a configuração na ONU:

Dê um duplo clique na ONU que deseja configurar a vlan no software EMS.



Será aberto a janela ONU Management.

15/01/2019

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Vá para a opção "ONU ACL". É necessário apagar a lista para antes de configurar a interface. Selecione cada regra na lista e clique no botão apagar. (o botão apresenta nome"...")

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Adicione a Clausula "VID == 10". Como ilustrado abaixo e clique no botão ">>" para adicionar na lista.

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Selecione a porta "PON Port" no campo "Apply Port (Entry)".

Selecione "Set Destination" no campo "Rule Action". Insira o valor "1" no campo "UNI port". Clique no botão "Add".

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Selecione "Delete Tag; Foward" no campo "Rule Action". Clique no botão "Add".

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Altere a Clausula para "VID == 20" e clique no botão ">>" para adicionar na lista.

Remova a Clausula "VID == 10" selecionando na lista e depois clicando no botão "<<".

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Selecione "Set Destination" no campo "Rule Action". Insira o valor "2" no campo "UNI port". Clique no botão "Add".

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Selecione "Delete Tag; Foward" no campo "Rule Action".

Clique no botão "Add".

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Clique no botão aplicar "Apply". O botão esta localizado no meio dos 3 botões e apresenta nome "...".

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- Basic Configure	1								
-Advanced Configure									
ONU Port Manage	ONU ACL Config								
- ONU BridingMode	Annly Port (Entry)	PON Port	TD	Priority	Rule Action	Action Para	Field	Field Bule	Field Va
-Mac Address Management	appri roro(anori)	FOR FOLC	2	12	Set Destination	UNI Port:2 Queue:0	VLAN ID	==	20
-ONU Loopback Test	Priority(8-13)	12	3	12	Set Destination	UNI Port:1 Queue:0	VLAN ID		10
ONU IGHP Shooping	Rule Action	Delete Tag; Forward	- 4	12	Delete Tag; Forward	0	VLAN ID	**	10
ONU ACL			5	12	Delete Tag; Forward	0	VLAN ID		20
ONU Oucue Manage	Ad	d							
- ONU Dos									
- Logic Link									
Link MAC Hanage									
-Block Link Manage									
Link SLA									
					Ref				
Trap Log Operation log									
Current Resudation 11/02/2012	10.20.0F admin for	and another families Ter	THEFT AND TANK	NOTE THAT IS	B-SBen Cand-1-SBenk-2-S	(00. FF. F0.1000.0			
ALLEVIL SCHELL HUBBLE ALTOTZULZ	101: 302 U.S. BUBLIN UU	100	ILTER FLIABLE LAP		m-srud Larg=1=sruft=Z=3	1 100 1 2 2 2 0 1000 - 3			

Selecione "UniPort1" no campo "Apply Port (Entry)". Crie a Clausula "Ethernet Type true" e adicione na lista clicando no botão ">>". (remova outra clausula da lista se existir).

🗐 Element Management System					2 ¥ ¥			_16
System Alarm Config Performan	ce <u>H</u> elp							
E 🗱 Top Tree E 🙆 CIANET LAB	💽 🔊 🛍 🚑 🥥		-	× o ×				
🚅 ONU Management								
			ŢŢ	 				
OLT Chassis OLT TEST LAB	Add/Delete Clause							
Bon Card Bon Cand 1	Field Select Ethernet Type		- >>	Field	Field Rule	100.02.0	Field Value	
Pon Card Pon Card-1	Field Rule true		-	E CHELHEC Type	CLUE	Ignore		
Pon Port Port-2	Field Value ignore		<<					
0NU [02:F5:E8]0NU-3								
- Basic Configure								
Advanced Configure								
ONU Port Manage	ONU ACL Config							
Mac Address Management	Apply Port(Entry) UniPort1	T ID	Priority	Rule Action	Action Para	Field	Field Rule	Field Valu
ONU Loopback Test	Priority(8-13) 12	1	12	Set Destination; H	Forward LLID:0 Queue:0	Destina	true	ignore
ONU IGMP Snooping	Rule Action Delete Tag; Forward	-	10	Sec Pescinacion, 1	orward pribio guedeio	pescina	CLUE	rduore
ONU ACL								
ONU VLAN	Add							
ONU Queue manage								
E-Logic Link								
Link MAC Hanage								
-Block Link Manage								
Link SLA								
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Trap Log Operation log								
Current User:admin 11/07/2012	18:30:05 admin Query success; Device: Top ?	Tree->CIANET_LA	S->OLT_TEST_LA	B->Pon Card-1->Port-	-2->[02:F5:E8]0NU-3			

Selecione a opção "Set VID; Add tag; Foward" insira o VID (10 para exemplo). Clique no botão "Add".

Element Management System							3
System Alarm Config Performan	ce <u>H</u> elp						
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🖻 🚮 Top Tree	i 💽 🖑 🗉 🚓 🔍 🔍 🗖		3 .	N O X			
GINI Management							
	an B an B] =1111	ŢŢ	 			
	Add/Delete Clause				Salastanisis Studio		
OLT Chassis OLT_TEST_LAB	Field Select Ethernet Time			Field	Field Rule	Fie	eld Value
Pon Card Pon Card-1 🔻	Field Select Lthernet Type		• >>	Ethernet Type	true	ignore	
Pop Port Port-2	Field Rule true						
	Field Value ignore		<<				
0NU [02:F5:E8]0NU-3 ▼							
- Basic Configure							
-Advanced Configure		_					
- ONU Port Manage	ONU ACL Config						
ONU BridingMode	Apply Port(Entry) UniPort1	T D	Priority	Rule Action	Action Para	Field Fi	eld Rule Field W
-Mac Address Management	Priority(8-13) 12		12	Set Destination; Forward	LLID:0 Queue:0	Destina tr	ue ignore
- ONU Loopback Test	Dula Action Ret UTD: 144 Text Terrord		12	Set UID: Add Tag: For	LLID:0 Queue:0	Destina tru	ue ignore
-ONU IGMP Snooping	Set VID; Add Tag; Forward		16	sec vib; add iag; for	410:10	Etherne tr	ie ignore
ONU ACL	VID 10						
ONU VLAN		_					
ONU Queue Manage	add						
E Loric Link							
- Link MAC Manage							
Block Link Manage							
Link SLA							
				Ref			
	0						
Trap Log Operation log							
Current User:admin 11/07/2012	18:30:05 admin Query success; Device: Top Tr	ee->CIANET_LA	B->OLT_TEST_LAB	8->Pon Card-1->Port-2->[02	:F5:E8]0NU-3		

Finalize a operação clicando em "Apply".O botão esta localizado no meio dos 3 botões e apresenta nome "...".

🛱 Element Management System									_
System Alarm Config Performan	ce Help								
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E 🔐 Top Tree		?		3 -	× o ×				
🗊 ONU Management									
				ŢŢ	 				
OLT Chassis OLT TEST LAR	Add/Delete Clause								
	Field Select Ethernet	Туре		•	Field	Field Rule		Field Value	
Pon Card Pon Card-1	Field Rule true				Ethernet Type	true	ignore		
Pon Port Port-2	Pield Velue								
0NU [02:F5:E8]0NU-3 💌	Field Value Ignore								
- Basic Configure	1								
Advanced Configure					l				
- ONU Port Manage	ONU ACL Config								
- ONU BridingMode	Apply Port(Entry) Uni	Portl	TID ID	Priority	Rule Action	Action Para	Field	Field Rule	Field Va
- Mac Address Management	Priority(8-13)		1	12	Set Destination; Forward	LLID:0 Queue:0	Destina	. true	ignore
- ONU Loopback Test	1110110/(0 10)		2	12	Set Destination; Forward	LLID:0 Queue:0	Destina	. true	ignore
- ONU IGMP Snooping	Rule Action Set	VID; Add Tag; Forward	- 3	12	Set VID; Add Tag; For	VID:10	Etherne	. true	ignore
ONU ACL	VID 10								
- ONU VLAN	120 20								
- ONU Queue Manage	bbA								
- ONU Qos									
- Logic Link									
Link MAC Hanage									
-Block Link Manage									
Link SLA									
					Ref				
Trap Log Operation log								_	
Current User:admin 11/07/2012	18:30:05 admin Ouerv	success: Device: Top Tree	->CIANET LA	B->OLT TEST LA	B->Pon Card-1->Port-2->[02	: F5: E810NU-3			

A criação da vlan na interface fast é idêntica ao passo 5, sendo apenas alterado o VID.

gystea àlara config Performance Help			_	
	•			
B Top Tree A CLASET LAB ONU Management	1			
DNU Management				
AddDelete Clause				
OLT Chassis OLT_TEST_LAB Field Select Frherman Type	Field Rule	1	Field Value	
Pon Card Pon Card-1	true	ignore		
Pon Port Port-2				
Field Value ignore				
OND [DEIL91F0]OND-3				
Basic Configure				
Advanced Configure				
- ONU Port Manage				
- ONU BridingMode Apply Port(Entry) UniPort2 TD Priority Rule Action	Action Para	Field	Field Rule H	Field Val
Priority(8-13) 12 12 Set Destination; For 2 12 Set Destination; For	Ward LLID:1 Queue:0	Destina	true 1	ignore
ONU DODDack lest Rule Action Set VID; Add Tag; Forward	1111 120100	D CAPE LIVE I I I	02.00	a gaso a c
OWN JOHF SHOPPING				
ONU YIAN YID 20				
ONU Queue Manage				
- ONU Dos				
E Logic Link				
- Link MAC Manage				
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Devenues de la contraction : 11/02/2010 10.000/07 educin Avenue envenues Develues Ten Tuno SCHARTE 115 50*********************************	-100-EF-E010ET-0			

Pronto, com essas configurações a OLT ira repassar a tag de VLAN para as portas desejadas.

Via ONU VLAN

Procedimento é feito para a configura das ONUs modelos CTS2701b, CTS2701c, CTS2702b e CTS2702c, com firmware 2.42 ou superior.

Feito a configuração na Gerencia, faça a configuração na ONU:

http://faq.cianet.ind.br/pages/viewpage.action?pageId=13697034

Dê um duplo clique na ONU que deseja configurar a vlan no software EMS.



Será aberto a janela ONU Management.

🗊 ONU Management				×
	PON RESET	SPD LNK/ACT SPD LNK 10/100/1000M 10/100M	ACT	
OLT Device CTS2720	Basic Config			
Pon Card Pon Module 💌	ONU ID	1	ONU Standard	tk
Pon Port Port-1 💌	ONU Device Type	ONU2D-G 🗸 🗸	Factory Serial	32544>534<4400000000
ONU [00:7C:5 🔽	ONU User Information		ONU Hardware Revision	V00
Basic Configure	ONU Firmware Revision	Vc2.42	ONU MAC	78-30-3B-00-7C-54
Advanced Configure	Max Allowed LLIDs	8	Registered LLID Num	2
ONU Bridging Mode	ONU On Line Status	online 👻	ONU User Traffic Enable	enable 💌
Mac Address Management ONU Loopback Test	Receiving optical power	-	Transmitted optical power	-
ONU ACL	ONU Range Value	64,3meter		
ONU VLAN ONU Queue Manage IGMP Snooping IGMP Global Parameter IGMP Port Config PLogic Link	Refresh	Set Re	boot Default	Save
Link MAC Manage Block Link Manage Link SLA				

Clique em ONU VLAN no menu lateral, selecione a porta e o VLAN Mode que a porta irá trabalhar.

🗐 ONU Management		×
	SPD LNK/ACT SPD LNK/ACT	
OLT Device CTS2720 - Pon Card Pon Module -	Port I uniPorti	
Pon Port Port-1 ONU [00:7C:5 Basic Configure		
- Advanced Configure - ONU Port Manage - ONU Bridging Mode		
ONU Loopback Test	VLAN Mole Transparent Transparent Tag	
ONO Queue Manage IGMP Snooping IGMP Global Parameter	Translate Trunk	
E-Logic Link Link MAC Manage		
Link SLA	Refresh Set	

- Transparent: modo de pasagem livre;
- Tag: marcação de vlan na porta;
- Translate: toraca de uma vlan para outra, exemplo da 10 para 20 (NÃO HABILITADO);
- Trunk: configura vlan trunk e lista de vlans pemitidas;

Tag

Para configurar tag de vlan basta selecionar a opção no menu TAG e configurar a opção VID [1-495]:

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📑 ONU Management		×
	SPD LNK/ACT SPD LNK/ACT	
OLT Device CTS2720 OLT Device CTS2720 Pon Card Pon Module Pon Port Port-1 Basic Configure Advanced Configure Advanced Configure ONU Bridging Mode Mac Address Management ONU Loopback Test ONU ALL ONU VLAN ONU Queue Manage IGMP Snooping IGMP Global Parameter IGMP Port Config Logic Link Link MAC Manage	Port ID uniPortl Port VLAN VLAN Mode Tag Default TPID[0-FFFF] 0x B100 Default Vlan: Cos[0-7]	VID[1-4095] 10-
Block Link Manage	Refresh Set	

Clique em Set para a salvar as configurações.

Trunk

Para configurar a porta como trunk basta selecionar a opção no menu Traunk e configurar a opção VID [1-495]:

🗐 ONU Management	X
	SPD LNK/ACT SPD LNK/ACT
OLT Device CTS2720 - Pon Card Pon Module -	Port ID uniPort1
Pon Port Port-1 ONU [00:7C:5 Basic Configure Advanced Configure	VLAN Mode Trunk Default TPID[0-FFFF] 0x 8100 Default Vlan: Cos[0-7] 0 -
- ONU Port Manage - ONU Bridging Mode - Mac Address Management - ONU Loopback Test	TPID(Hex) VLAN ID
- ONU ACL - DNU VLAN - ONU Queue Manage - IGAP Snooping	
IGMP Global Parameter IGMP Port Config E Logic Link	
Link MAC Manage Block Link Manage Link SLA	Refresh Add Delete Set

Clique em *Add* para adicionar as vlans que serão permitidas no trunk, na tela que apresentou altere o campo *VLAN ID* para a vlan desejada e clique em *OK*:

🗐 Add YLAI	٢	×
TPID (Hev)	8100	
VLAN ID	20	
[<u>0</u> K	Cancel

Clique emSetpara salvar as configurações.

15/01/2019

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🚅 ONU Management		×
	SPD LNK/ACT SPD LNK/ACT PON RESET 10/100/1000M 10/100M POWER	
OLT Device CTS2720	Port ID uniPort1	٦
Pon Card Pon Module 🔻		
Den Dent Dent 1	Port VLAN	
Pon Port	VLAN Mode Trunk	
ONU [00:7C:5 🔽		
Basic Configure	Default TPID[0-FFFF] UX 8100	
Advanced Configure	Default Vlan: Cos[0-7] 0 VID[1-4095] 10	
ONU Port Manage		
ONU Bridging Mode	TPID(Hex) VLAN ID	
Mac Address Management	8100 20	
ONU Loopback Test		
ONU ACL		
ONU VLAN		
IGMP Global Parameter		
IGMP Port Config		
🖻 Logic Link		
Link MAC Manage		
Block Link Manage	Defineth Add Delate Set	
Link SLA	KETTERU Haa heter Set	
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