

NOTA TÉCNICA / TECH NOTE

Título: Link Aggregation Producto: GS-4210-Series Referencia: Fecha: 05/09/2016

Configuración de Link Aggregation en los Switch de la Serie GS-4210

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1. Configuración en Switch GS-4210-48T4S

Primero acceder al Switch desde un puerto en el cual no va a estar en el LAG

PLANE Reheating & Communication	DOT REF	C5-4210-48T45 2 4 6 8 10 	
System			
Port Management	~	Information Name	Information Value
LINK Aggregation	~	System Name	Edite CS.4210.487.4S
panning Tree	× ∀		
lulticast	~	System Location	Edit Default Location
QoS	~	System Contact	Edit Default Contact
ecurity	▽	MAC Address	A8:F7:E0:19:EE:A9
Access Control List		IP Address	192.168.0.101
	-	Subnet Mask	255.255.255.0
	-	Gateway	192.168.0.254
	4	Loader Version	2.1.3.46351
Diagnostics	▽	Loader Date	May 12 2015 - 21:35:34
RMUN	4	Firmware Version	1.0b150416
waintenance	~	Firmware Date	Apr 16 2015 - 15:48:09
		System Object ID	1.3.6.1.4.1.10456.1.1554

Acceder al menú de Link Aggregation y en LAG Setting, cambiar el balanceo a IP/MAC Address y aplicar cambios.

PLANET Reverting & Constructed	G5-4210-48T45 2 4 6 8 10 12 14	16 18 20 22 24 26 28 30 32 34 36 38 40 15 17 19 21 23 25 27 29 31 33 35 37 39	42 44 46 48 50 52 41 43 45 47 49 51
SAVE LOGOUT REBOOT REFR	Es d		
System ▼ Port Management ▼ Link Aggregation ▼ LAG Setting ▼ LAG Port Setting LACP Setting LACP Port Setting LACP Setsing LAG Status ►	LAG Setting LAG Setting Load Balance Algorithm MAC Apply LAG Information	Address 🖲 IP/MAC Address	
VLAN 🗢	Information Name	Information Value	
Spanning Tree 🗢 🗢	Load Balance Algorithm	src-dst-mac	
Multicast 🗢			
QoS 🗢			
Security 🗢			
Access Control List 🗢			
MAC Address Table 🗢			
			Þ

Crear los grupos para los puertos, cada grupo será para comunicarse con cada switch.

GS-4210-48T4S 0 52 PLANET <u> H</u>HH , , , LOGOUT | REBOOT | REFRESH SAVE System LAG Management Port Management LAG Management Link Aggregation LAG Name туре Ports LAG Setting LAG Management LAG Port Setting LAG1 V Static
LACP Select Ports LACP Setting LACP Port Setting Apply LAG Status VLAN Spanning Tree LAG Туре Link State Active Member Standby Member Modify Name Multicast Link1 LACP DOWN GE1-2 Edit LAG1 QoS ÷ Link2 LACP DOWN GE3-4 LAG2 Edit Security V Access Control List LAG3 Not Present Edit ~ MAC Address Table LAG4 Not Present Edit LLDP V LAG5 Not Present Edit Diago

Cuando se selecciona el Type que sea (LACP).

Cambiar la prioridad del Systema a (1).

PLANET	65-4210-48745 2 4 6 8 10 12 14 16 18 20 22 1 3 5 7 9 9 11 13 15 17 19 21	24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51
SAVE LOGOUT REBOOT REFRES	н	
System ▼ Port Management ▼ Link Aggregation ▼ LAG Setting LAG Management LAG Port Setting LACP Setting LACP Setting LAG Status	LACP LACP Setting System Priority 1 (1-65535) Apply	·
VLAN 🗢		
Spanning Tree 🗢 🗢	Information Name	Information Value
Multicast 🗢	System Priority	1
QoS 🗢		
Security 🗢		
Access Control List 🛛 🗢		
MAC Address Table 🗢		
LLDP 🗢		
		•

Con estos pasos el Switch esta listo para esperar 2 enlaces con Link Aggregation.

2. Configuración en Switch GS-4210-24T2S

Primero acceder al Switch desde un puerto en el cual no va a estar en el LAG

PLANET Networking & Communication		55-4210-24725		
System Port Management	⊽ ⊽			*
Link Aggregation	~	Information Name	Information Value	
VLAN	⊽	System Name	Edit GS-4210-24T2S	
Spanning Tree	~	System Description	Edit GS-4210-24T2S	
Multicast	~	System Contact	Edit Default Contact	
QoS	~	MAC Address	A8:F7:E0:20:AC:4F	æ
Security	~	IP Address	192.168.0.102	æ
Access Control List	~	Subnet Mask	255.255.255.0	æ
MAC Address Table	~	Gateway	192.168.0.254	æ
LLDP	~	Loader Version	2011. 12. 41872	
Diagnostics	~	Loader Date	Mar 18 2014 - 11:20:25	
RMON	▽	Firmware Version	v1.0b141231	æ
Maintenance	~	Firmware Date	Thu Jan 8 19:52: 11 CST 2015	
		System Object ID	1.3.6.1.4.1.10456.1.1543	
		System Up Time	0 days, 3 hours, 30 mins, 55 secs	
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Acceder al menú Link Aggregation, en la sección LAG Setting.

Seleccionar IP/MAC Address y aplicar.

PLANET Netecting & Commission		26 25
SAVE LOGOUT REBOOT REFRE	ESH	
System -	LAG Setting	
Link Aggregation	LAG Setting	
LAG Setting	Load Balance Algorithm O MAC Address O IP/MAC Address	
LAG Management	Apple	
LAG Port Setting	Арру	
LACP Port Setting	▼ LAG Information	
LAG Status		
VLAN 🗢	Information Name	Information Value
Spanning Tree 🗢	Load Balance Algorithm	src-dst-mac-ip
Multicast 🗢		
QoS 🗸		
Security		
MAC Address Table		
LLDP ~		
· · · · · · · · · · · · · · · · · · ·		

GS-4210-24T25 🕜 PLANET SAVE | LOGOUT | REBOOT | REFRESH System LAG Management Port Management /-LAG Management Link Aggregation LAG Name Туре Ports LAG Setting LAG1 • Select Ports LAG Management LAG Port Setting ● Static ● LACP + LACP Setting LACP Port Setting Apply LAG Status VLAN ∇ Spanning Tree ~ Active Member LAG Name Туре Link State Standby Member Modify Multicast LAG1 Link1 LACP DOWN GE1-2 Edit QoS ▽ LAG2 Not Present Edit Security ▽ LAG3 Not Present Edit Access Control List LAG4 Not Present Edit MAC Address Table ~ LAG5 Not Present Edit LLDP ▽. LAG6 Not Present Edit

Crear el grupo para los puertos con el que se va a conectar como Link Aggregation.

Activar el LACP en la sección LACP Setting, y usamos la misma prioridad que se este usando del otro lado del enlace.

Y listo esta configurado para conectarse con otro switch.

En los switches se puede acceder a la sección LAG Status y hay veremos que los enlaces están "UP".



Departamento de Ingeniería