

在SG350XG和SG550XG上配置鏈路聚合組

目標

鏈路聚合組(LAG)是已並行組合成一個邏輯連線的網路連線集合。建立LAG可以允許冗餘：如果LAG中的一個鏈路發生故障，其它鏈路可用作備份。LAG還可以通過使用其所有鏈路同時傳輸資料來大幅提高吞吐量。

以下是運作方式：連結彙總控制通訊協定(LACP)是IEEE規範(802.3az)的一部分，它可以控制將多個實體連線埠捆綁在一起，以形成單一邏輯通道(LAG)。通過LAG的活動成員埠的流量負載均衡由基於雜湊的分佈函式管理，該分佈函式基於第2層或第3層資料包報頭資訊分配單播和組播流量。LACP通過捆綁多個物理埠幫助形成單個LAG。它還負責頻寬倍增、增加埠靈活性以及在任意兩台裝置之間的鏈路上提供冗餘。此外，這有助於更改LAG速度、通告、流量控制以及可以在LAG設定表中輕鬆標識的保護。

本文檔的目的是向您展示如何在SG350XG和SG550XG上配置LAG。

適用裝置

- SG350XG
- SG550XG

軟體版本

- 2.0.0.73

LAG管理

步驟1. 登入到Web配置實用程式，然後選擇Port Management > Link Aggregation > LAG Management。將開啟LAG Management頁面。

LAG Management

Load Balance Algorithm: MAC Address
 IP/MAC Address

Apply

Cancel

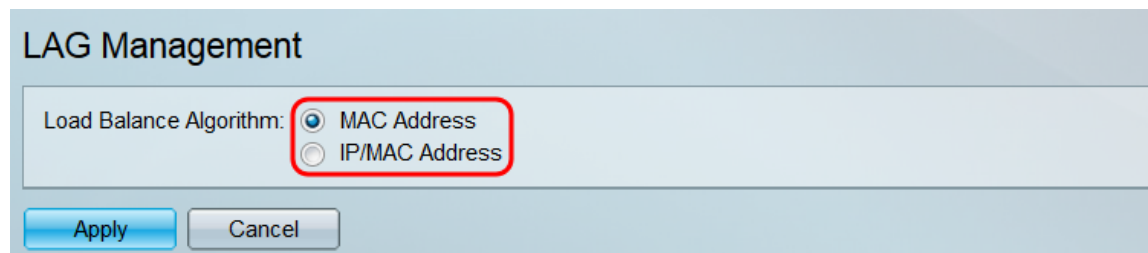
LAG Management Table

	LAG	Name	LACP	Link State	Active Member	Standby Member
<input type="radio"/>	LAG 1			Link Not Present		
<input type="radio"/>	LAG 2			Link Not Present		
<input type="radio"/>	LAG 3			Link Not Present		
<input type="radio"/>	LAG 4			Link Not Present		
<input type="radio"/>	LAG 5			Link Not Present		
<input type="radio"/>	LAG 6			Link Not Present		
<input type="radio"/>	LAG 7			Link Not Present		
<input type="radio"/>	LAG 8			Link Not Present		
<input type="radio"/>	LAG 9			Link Not Present		
<input type="radio"/>	LAG 10			Link Not Present		
<input type="radio"/>	LAG 11			Link Not Present		
<input type="radio"/>	LAG 12			Link Not Present		
<input type="radio"/>	LAG 13			Link Not Present		
<input type="radio"/>	LAG 14			Link Not Present		
<input type="radio"/>	LAG 15			Link Not Present		
<input type="radio"/>	LAG 16			Link Not Present		
<input type="radio"/>	LAG 17			Link Not Present		
<input type="radio"/>	LAG 18			Link Not Present		
<input type="radio"/>	LAG 19			Link Not Present		
<input type="radio"/>	LAG 20			Link Not Present		
<input type="radio"/>	LAG 21			Link Not Present		
<input type="radio"/>	LAG 22			Link Not Present		
<input type="radio"/>	LAG 23			Link Not Present		
<input type="radio"/>	LAG 24			Link Not Present		
<input type="radio"/>	LAG 25			Link Not Present		
<input type="radio"/>	LAG 26			Link Not Present		
<input type="radio"/>	LAG 27			Link Not Present		
<input type="radio"/>	LAG 28			Link Not Present		
<input type="radio"/>	LAG 29			Link Not Present		
<input type="radio"/>	LAG 30			Link Not Present		
<input type="radio"/>	LAG 31			Link Not Present		
<input type="radio"/>	LAG 32			Link Not Present		

Edit...

附註：以上螢幕截圖取自SG550XG，它有32個不同的LAG。SG350XG只有8個LAG。

步驟2.在*Load Balance Algorithm*欄位中，選擇單選按鈕以確定交換機如何處理每個LAG上的負載均衡。負載均衡用於在LAG中的所有鏈路之間傳送資料，從而提高吞吐量。在某些網路中使用MAC地址更為有效。



LAG Management

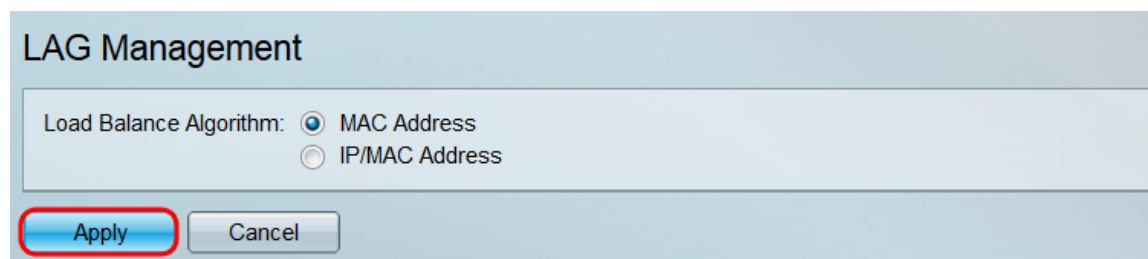
Load Balance Algorithm: MAC Address IP/MAC Address

Apply Cancel

選項包括：

- MAC地址 — 對所有資料包使用源和目標MAC地址執行負載均衡。
- IP/MAC地址 — 使用IP資料包上的源IP地址和目標IP地址以及所有非IP資料包上的源MAC地址和目標MAC地址執行負載均衡。

步驟3.按一下「Apply」。負載均衡設定將儲存到運行配置檔案中。



LAG Management

Load Balance Algorithm: MAC Address IP/MAC Address

Apply Cancel

步驟4. *LAG管理表*顯示交換機上當前配置的所有LAG的資訊。選擇LAG的單選按鈕並按一下**編輯**.....以在出現的「**編輯LAG成員資格**」視窗中編輯其設定。

LAG Management Table							
	LAG	Name	LACP	Link State	Active Member	Standby Member	
<input checked="" type="radio"/>	LAG 1			Link Not Present			
<input type="radio"/>	LAG 2			Link Not Present			
<input type="radio"/>	LAG 3			Link Not Present			
<input type="radio"/>	LAG 4			Link Not Present			
<input type="radio"/>	LAG 5			Link Not Present			
<input type="radio"/>	LAG 6			Link Not Present			
<input type="radio"/>	LAG 7			Link Not Present			
<input type="radio"/>	LAG 8			Link Not Present			
<input type="radio"/>	LAG 9			Link Not Present			
<input type="radio"/>	LAG 10			Link Not Present			
<input type="radio"/>	LAG 11			Link Not Present			
<input type="radio"/>	LAG 12			Link Not Present			
<input type="radio"/>	LAG 13			Link Not Present			
<input type="radio"/>	LAG 14			Link Not Present			
<input type="radio"/>	LAG 15			Link Not Present			
<input type="radio"/>	LAG 16			Link Not Present			
<input type="radio"/>	LAG 17			Link Not Present			
<input type="radio"/>	LAG 18			Link Not Present			
<input type="radio"/>	LAG 19			Link Not Present			
<input type="radio"/>	LAG 20			Link Not Present			
<input type="radio"/>	LAG 21			Link Not Present			
<input type="radio"/>	LAG 22			Link Not Present			
<input type="radio"/>	LAG 23			Link Not Present			
<input type="radio"/>	LAG 24			Link Not Present			
<input type="radio"/>	LAG 25			Link Not Present			
<input type="radio"/>	LAG 26			Link Not Present			
<input type="radio"/>	LAG 27			Link Not Present			
<input type="radio"/>	LAG 28			Link Not Present			
<input type="radio"/>	LAG 29			Link Not Present			
<input type="radio"/>	LAG 30			Link Not Present			
<input type="radio"/>	LAG 31			Link Not Present			
<input type="radio"/>	LAG 32			Link Not Present			
<input type="button" value="Edit..."/>							

步驟5.在LAG下拉選單中，選擇要配置其設定的LAG。您在LAG Management Table中選擇的LAG將在此處自動選擇。此欄位可用於在LAG之間切換並配置其設定，而無需返回LAG Management頁面。

LAG: 1

LAG Name: (0/64 characters used)

LACP: Enable

Unit: 1

Port List:

- XG1
- XG2
- XG3
- XG4
- XG5
- XG6
- XG7
- XG8

LAG Members:

Apply Close

步驟6.在LAG名稱欄位中，輸入LAG的名稱或說明。此名稱不會影響LAG的操作，因為它僅供識別。

LAG: 1

LAG Name: Example Name (12/64 characters used)

LACP: Enable

Unit: 1

Port List:

- XG1
- XG2
- XG3
- XG4
- XG5
- XG6
- XG7
- XG8

LAG Members:

Apply Close

步驟7.在LACP欄位中，勾選**Enable**覆取方塊以啟用LAG的連結彙總控制通訊協定(LACP)。交換機使用LACP與其他連線的裝置（也使用LACP）通訊並協調LAG資訊，從而建立動態LAG。將埠新增到LAG後，此欄位將不可用；從LAG中刪除所有埠將允許此設定再次可用。

LAG: 1

LAG Name: Example Name (12/64 characters used)

LACP: Enable

Unit: 1

Port List: XG1, XG2, XG3, XG4, XG5, XG6, XG7, XG8

LAG Members:

Apply Close

步驟8.在 *Unit* 下拉選單中，選擇堆疊中包含要新增到LAG的埠的交換機。如果交換器不是堆疊的一部分，則只有1可用。

LAG: 1

LAG Name: Example Name (12/64 characters used)

LACP: Enable

Unit: 1

Port List: XG1, XG2, XG3, XG4, XG5, XG6, XG7, XG8

LAG Members:

Apply Close

步驟9.使用箭頭按鈕，從埠清單中選擇一個埠，並將其移動到LAG成員區域，反之亦然。

LAG:

LAG Name: (12/64 characters used)

LACP: Enable

Unit:

Port List: LAG Members:

XG4		XG1/1
XG5		XG1/2
XG6		XG1/3
XG7		
XG8		
XG9		
XG10		
XG11		

步驟10.按一下**Apply**。LAG設定將儲存到運行配置中。在LAG欄位中選擇要配置的其他LAG，或按一下**關閉**以返回LAG Management頁。

LAG:

LAG Name: (12/64 characters used)

LACP: Enable

Unit:

Port List: LAG Members:

XG4		XG1/1
XG5		XG1/2
XG6		XG1/3
XG7		
XG8		
XG9		
XG10		
XG11		

LAG設定

步驟1.登入到Web配置實用程式，然後選擇Port Management > Link Aggregation > LAG

Settings。將開啟LAG Settings頁面。

LAG Settings												
LAG Setting Table												
	Entry No.	LAG	Description	Type	Status	Link Status SNMP Traps	Time Range		Auto Negotiation	Speed	Flow Control	Protection State
							Name	State				
<input type="radio"/>	1	LAG 1				Enabled						Unprotected
<input type="radio"/>	2	LAG 2				Enabled						Unprotected
<input type="radio"/>	3	LAG 3				Enabled						Unprotected
<input type="radio"/>	4	LAG 4				Enabled						Unprotected
<input type="radio"/>	5	LAG 5				Enabled						Unprotected
<input type="radio"/>	6	LAG 6				Enabled						Unprotected
<input type="radio"/>	7	LAG 7				Enabled						Unprotected
<input type="radio"/>	8	LAG 8				Enabled						Unprotected
<input type="radio"/>	9	LAG 9				Enabled						Unprotected
<input type="radio"/>	10	LAG 10				Enabled						Unprotected
<input type="radio"/>	11	LAG 11				Enabled						Unprotected
<input type="radio"/>	12	LAG 12				Enabled						Unprotected
<input type="radio"/>	13	LAG 13				Enabled						Unprotected
<input type="radio"/>	14	LAG 14				Enabled						Unprotected
<input type="radio"/>	15	LAG 15				Enabled						Unprotected
<input type="radio"/>	16	LAG 16				Enabled						Unprotected
<input type="radio"/>	17	LAG 17				Enabled						Unprotected
<input type="radio"/>	18	LAG 18				Enabled						Unprotected
<input type="radio"/>	19	LAG 19				Enabled						Unprotected
<input type="radio"/>	20	LAG 20				Enabled						Unprotected
<input type="radio"/>	21	LAG 21				Enabled						Unprotected
<input type="radio"/>	22	LAG 22				Enabled						Unprotected
<input type="radio"/>	23	LAG 23				Enabled						Unprotected
<input type="radio"/>	24	LAG 24				Enabled						Unprotected
<input type="radio"/>	25	LAG 25				Enabled						Unprotected
<input type="radio"/>	26	LAG 26				Enabled						Unprotected
<input type="radio"/>	27	LAG 27				Enabled						Unprotected
<input type="radio"/>	28	LAG 28				Enabled						Unprotected
<input type="radio"/>	29	LAG 29				Enabled						Unprotected
<input type="radio"/>	30	LAG 30				Enabled						Unprotected
<input type="radio"/>	31	LAG 31				Enabled						Unprotected
<input type="radio"/>	32	LAG 32				Enabled						Unprotected

Copy Settings... Edit...

步驟2. LAG設定表顯示交換機上當前配置的所有LAG的資訊。選擇LAG的單選按鈕，然後按一下編輯.....在「編輯LAG設定」頁中編輯其設定。

LAG Settings

LAG Setting Table												
	Entry No.	LAG	Description	Type	Status	Link Status SNMP Traps	Time Range		Auto Negotiation	Speed	Flow Control	Protection State
							Name	State				
<input checked="" type="radio"/>	1	LAG 1				Enabled					Unprotected	
<input type="radio"/>	2	LAG 2				Enabled					Unprotected	
<input type="radio"/>	3	LAG 3				Enabled					Unprotected	
<input type="radio"/>	4	LAG 4				Enabled					Unprotected	
<input type="radio"/>	5	LAG 5				Enabled					Unprotected	
<input type="radio"/>	6	LAG 6				Enabled					Unprotected	
<input type="radio"/>	7	LAG 7				Enabled					Unprotected	
<input type="radio"/>	8	LAG 8				Enabled					Unprotected	
<input type="radio"/>	9	LAG 9				Enabled					Unprotected	
<input type="radio"/>	10	LAG 10				Enabled					Unprotected	
<input type="radio"/>	11	LAG 11				Enabled					Unprotected	
<input type="radio"/>	12	LAG 12				Enabled					Unprotected	
<input type="radio"/>	13	LAG 13				Enabled					Unprotected	
<input type="radio"/>	14	LAG 14				Enabled					Unprotected	
<input type="radio"/>	15	LAG 15				Enabled					Unprotected	
<input type="radio"/>	16	LAG 16				Enabled					Unprotected	
<input type="radio"/>	17	LAG 17				Enabled					Unprotected	
<input type="radio"/>	18	LAG 18				Enabled					Unprotected	
<input type="radio"/>	19	LAG 19				Enabled					Unprotected	
<input type="radio"/>	20	LAG 20				Enabled					Unprotected	
<input type="radio"/>	21	LAG 21				Enabled					Unprotected	
<input type="radio"/>	22	LAG 22				Enabled					Unprotected	
<input type="radio"/>	23	LAG 23				Enabled					Unprotected	
<input type="radio"/>	24	LAG 24				Enabled					Unprotected	
<input type="radio"/>	25	LAG 25				Enabled					Unprotected	
<input type="radio"/>	26	LAG 26				Enabled					Unprotected	
<input type="radio"/>	27	LAG 27				Enabled					Unprotected	
<input type="radio"/>	28	LAG 28				Enabled					Unprotected	
<input type="radio"/>	29	LAG 29				Enabled					Unprotected	
<input type="radio"/>	30	LAG 30				Enabled					Unprotected	
<input type="radio"/>	31	LAG 31				Enabled					Unprotected	
<input type="radio"/>	32	LAG 32				Enabled					Unprotected	

Copy Settings... Edit...

步驟3.在LAG下拉選單中，選擇要配置其設定的LAG。您在LAG設定表中選擇的LAG將在此處自動選中。此欄位可用於在LAG之間切換並配置其設定，而不返回LAG Settings頁。LAG Type欄位顯示組成LAG的埠型別。

LAG: 1 LAG Type:

Description: (0/64 characters used)

Administrative Status: Operational Status:

Link Status SNMP Traps: Operational Status:

Time Range: Operational Status:

Time Range Name: Edit Operational Time-Range State: N/A

Administrative Auto Negotiation: Operational Auto Negotiation:

Administrative Speed: Operational LAG Speed:

Administrative Advertisement: Max. Capability 10 Full 100 Full 10000 Full Operational Advertisement: Unknown

Administrative Flow Control: Enable Disable Auto-Negotiation Operational Flow Control:

Protected LAG: Enable

Apply Close

步驟4.在Description欄位中，輸入LAG的名稱或備註。這不會影響LAG的操作，因為它僅用於識別目的。

LAG: 1 LAG Type:

Description: Example Name (12/64 characters used)

Administrative Status: Up Down Operational Status:

Link Status SNMP Traps: Enable Operational Status:

Time Range: Enable Operational Status:

Time Range Name: testing1 Edit Operational Time-Range State: N/A

Administrative Auto Negotiation: Enable Operational Auto Negotiation:

Administrative Speed: 10M 100M 1000M 10G Operational LAG Speed:

Administrative Advertisement: Max. Capability 10 Full 100 Full 10000 Full Operational Advertisement: Unknown

Administrative Flow Control: Enable Disable Auto-Negotiation Operational Flow Control:

Protected LAG: Enable

Apply Close

步驟5.在 *Administrative Status* 欄位中，選擇 **Up** 或 **Down** 單選按鈕以確定LAG是啟動（操作）還是關閉（非操作）。 *Operational Status* 欄位顯示LAG當前處於啟動還是關閉狀態。如果當前顯示模式為基本模式，請跳至 [步驟9](#)。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 Edit	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input checked="" type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 100 Full <input type="checkbox"/> 10000 Full <input type="checkbox"/> 10 Full <input type="checkbox"/> 1000 Full	Operational Advertisement:	Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		
<input type="button" value="Apply"/> <input type="button" value="Close"/>			

步驟6.在 *Link Status SNMP Traps* 欄位中，勾選 **Enable** 覈取方塊，使交換機生成SNMP陷阱，以通知LAG中埠的鏈路狀態發生變化。

LAG:	1	LAG Type:
Description:	Example Name (12/64 characters used)	
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable	
Time Range:	<input checked="" type="checkbox"/> Enable	
Time Range Name:	testing1 Edit	Operational Time-Range State: N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:
Administrative Speed:	<input checked="" type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input type="radio"/> 10G	Operational LAG Speed:
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 10 Full <input type="checkbox"/> 100 Full <input type="checkbox"/> 1000 Full <input type="checkbox"/> 10000 Full	Operational Advertisement: Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:
Protected LAG:	<input type="checkbox"/> Enable	
<input type="button" value="Apply"/> <input type="button" value="Close"/>		

步驟7.在 *Time Range* 欄位中，勾選 **Enable** 釐取方塊，使LAG僅在預配置的時間範圍內啟用。超出此時間範圍時，LAG將關閉。如果沒有可用的時間範圍配置檔案，則此欄位不可用。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 <input type="button" value="Edit"/>	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input checked="" type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 100 Full <input type="checkbox"/> 10000 Full <input type="checkbox"/> 10 Full <input type="checkbox"/> 1000 Full	Operational Advertisement:	Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		

步驟8. 在 *Time Range Name* 下拉選單中，選擇要應用於LAG的時間範圍配置檔案。如果沒有定義時間範圍概要檔案，或者如果要更改現有時間範圍概要檔案，請按一下編輯以轉到「[時間範圍](#)」頁。*Operational Time-Range State*欄位顯示時間範圍當前是活動還是非活動。有關時間範圍的詳細資訊，請參閱 [在SG550XG和SG350XG上設定時間範圍](#)一文。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	<input type="text" value="testing1"/> Edit <input type="text" value="testing1"/>	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input checked="" type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 100 Full <input type="checkbox"/> 10000 Full	Operational Advertisement:	Unknown
	<input type="checkbox"/> 10 Full <input type="checkbox"/> 1000 Full		
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		
<input type="button" value="Apply"/> <input type="button" value="Close"/>			

步驟9. 在 *Administrative Auto Negotiation* 欄位中，勾選 **Enable** 覆取方塊以啟用LAG的自動協商。此功能可讓LAG自動將其傳輸速度、雙工模式和流量控制功能傳送給LAG夥伴。如果啟用此功能，請跳至 [步驟11](#)。*Operational Auto Negotiation* 欄位顯示LAG的當前自動協商狀態。

LAG:	1	LAG Type:
Description:	Example Name (12/64 characters used)	
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable	
Time Range:	<input checked="" type="checkbox"/> Enable	
Time Range Name:	testing1 Edit	Operational Time-Range State: N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:
Administrative Speed:	<input checked="" type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input type="radio"/> 10G	Operational LAG Speed:
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 10 Full <input type="checkbox"/> 100 Full <input type="checkbox"/> 1000 Full <input type="checkbox"/> 10000 Full	Operational Advertisement: Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:
Protected LAG:	<input type="checkbox"/> Enable	
<input type="button" value="Apply"/> <input type="button" value="Close"/>		

步驟10. 如果未啟用自動交涉，則Administrative Speed欄位可用。選擇一個單選按鈕以確定LAG的速度。Operational LAG Speed欄位顯示LAG的當前速度。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 Edit	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input checked="" type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 100 Full <input type="checkbox"/> 10000 Full	Operational Advertisement:	Unknown
	<input type="checkbox"/> 10 Full <input type="checkbox"/> 1000 Full		
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		
<input type="button" value="Apply"/> <input type="button" value="Close"/>			

選項包括：

- 10M - LAG以10 Mbps的速度運行。
- 100M - LAG以100 Mbps的速度運行。
- 1000M - LAG以1000 Mbps的速度運行。
- 10G - LAG以10 Gbps的速度運行。

步驟11. 如果啟用了自動交涉，則Administrative Advertisement欄位將可用。選中相應的覈取方塊以指示在自動協商期間通告哪些功能。Operational Advertisement欄位顯示當前由LAG通告的功能。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 Edit	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input checked="" type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input type="checkbox"/> Max. Capability <input type="checkbox"/> 10 Full <input type="checkbox"/> 100 Full <input type="checkbox"/> 1000 Full <input type="checkbox"/> 10000 Full	Operational Advertisement:	Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		

Apply Close

選項包括：

- 最大功能 — 接受所有速度和雙工模式設定。預設情況下會選中此項。如果選中此選項，則無法選中其他覈取方塊。
- 10全 — 10 Mbps速度和全雙工模式。
- 100 Full - 100 Mbps速度和全雙工模式。
- 1000全 — 1000 Mbps速度和全雙工模式。
- 10000全 — 10000 Mbps速度和全雙工模式。

步驟12. 在 *Administrative Flow Control* 欄位中，選擇單選按鈕以 **Enable** 或 **Disable** 802.3x flow control。您也可以選擇啟用 **流量控制** 的自動交涉。流量控制是一種協定，當網路不堪重負時，交換機可以使用該協定來停止遠端LAG的傳輸。操作 **流控制** 欄位顯示LAG的當前流控制狀態。

LAG:	1	LAG Type:	
Description:	Example Name	(12/64 characters used)	
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 Edit	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input checked="" type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 10 Full <input type="checkbox"/> 100 Full <input type="checkbox"/> 1000 Full <input type="checkbox"/> 10000 Full	Operational Advertisement:	Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input type="radio"/> Disable <input checked="" type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		
<input type="button" value="Apply"/> <input type="button" value="Close"/>			

步驟13. 在 *Protected LAG* 欄位中，勾選 **Enable** 覆取方塊以使 LAG 成為受保護的 LAG。受保護的 LAG 在共用同一 VLAN 的介面之間提供第 2 層隔離。

LAG:	1	LAG Type:
Description:	Example Name (12/64 characters used)	
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable	
Time Range:	<input checked="" type="checkbox"/> Enable	
Time Range Name:	testing1 Edit	Operational Time-Range State: N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:
Administrative Speed:	<input type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input checked="" type="radio"/> 10G	Operational LAG Speed:
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 10 Full <input type="checkbox"/> 100 Full <input type="checkbox"/> 1000 Full <input type="checkbox"/> 10000 Full	Operational Advertisement: Unknown
Administrative Flow Control:	<input type="radio"/> Enable <input type="radio"/> Disable <input checked="" type="radio"/> Auto-Negotiation	Operational Flow Control:
Protected LAG:	<input checked="" type="checkbox"/> Enable	
Apply Close		

步驟14.按一下**Apply**。設定將儲存到運行配置檔案中。從LAG欄位中選擇要配置的其他LAG，或按一下**關閉**以返回LAG設定頁。

LAG:	1	LAG Type:	
Description:	Example Name (12/64 characters used)		
Administrative Status:	<input checked="" type="radio"/> Up <input type="radio"/> Down	Operational Status:	
Link Status SNMP Traps:	<input checked="" type="checkbox"/> Enable		
Time Range:	<input checked="" type="checkbox"/> Enable		
Time Range Name:	testing1 Edit	Operational Time-Range State:	N/A
Administrative Auto Negotiation:	<input checked="" type="checkbox"/> Enable	Operational Auto Negotiation:	
Administrative Speed:	<input type="radio"/> 10M <input type="radio"/> 100M <input type="radio"/> 1000M <input checked="" type="radio"/> 10G	Operational LAG Speed:	
Administrative Advertisement:	<input checked="" type="checkbox"/> Max. Capability <input type="checkbox"/> 100 Full <input type="checkbox"/> 10000 Full	Operational Advertisement:	Unknown
	<input type="checkbox"/> 10 Full <input type="checkbox"/> 1000 Full		
Administrative Flow Control:	<input type="radio"/> Enable <input type="radio"/> Disable <input checked="" type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input checked="" type="checkbox"/> Enable		
<input checked="" type="button" value="Apply"/> <input type="button" value="Close"/>			

步驟15.如果要將LAG的設定快速複製到另一個LAG，請按一下其單選按鈕，然後按一下複製設定.....按鈕。出現「Copy Settings」視窗。

LAG Settings

LAG Setting Table

Entry No.	LAG	Description	Type	Status	Link Status SNMP Traps	Time Range		Auto Negotiation	Speed	Flow Control	Protection State
						Name	State				
<input checked="" type="radio"/>	1	LAG 1			Enabled						Unprotected
<input type="radio"/>	2	LAG 2			Enabled						Unprotected
<input type="radio"/>	3	LAG 3			Enabled						Unprotected
<input type="radio"/>	4	LAG 4			Enabled						Unprotected
<input type="radio"/>	5	LAG 5			Enabled						Unprotected
<input type="radio"/>	6	LAG 6			Enabled						Unprotected
<input type="radio"/>	7	LAG 7			Enabled						Unprotected
<input type="radio"/>	8	LAG 8			Enabled						Unprotected
<input type="radio"/>	9	LAG 9			Enabled						Unprotected
<input type="radio"/>	10	LAG 10			Enabled						Unprotected
<input type="radio"/>	11	LAG 11			Enabled						Unprotected
<input type="radio"/>	12	LAG 12			Enabled						Unprotected
<input type="radio"/>	13	LAG 13			Enabled						Unprotected
<input type="radio"/>	14	LAG 14			Enabled						Unprotected
<input type="radio"/>	15	LAG 15			Enabled						Unprotected
<input type="radio"/>	16	LAG 16			Enabled						Unprotected
<input type="radio"/>	17	LAG 17			Enabled						Unprotected
<input type="radio"/>	18	LAG 18			Enabled						Unprotected
<input type="radio"/>	19	LAG 19			Enabled						Unprotected
<input type="radio"/>	20	LAG 20			Enabled						Unprotected
<input type="radio"/>	21	LAG 21			Enabled						Unprotected
<input type="radio"/>	22	LAG 22			Enabled						Unprotected
<input type="radio"/>	23	LAG 23			Enabled						Unprotected
<input type="radio"/>	24	LAG 24			Enabled						Unprotected
<input type="radio"/>	25	LAG 25			Enabled						Unprotected
<input type="radio"/>	26	LAG 26			Enabled						Unprotected
<input type="radio"/>	27	LAG 27			Enabled						Unprotected
<input type="radio"/>	28	LAG 28			Enabled						Unprotected
<input type="radio"/>	29	LAG 29			Enabled						Unprotected
<input type="radio"/>	30	LAG 30			Enabled						Unprotected
<input type="radio"/>	31	LAG 31			Enabled						Unprotected
<input type="radio"/>	32	LAG 32			Enabled						Unprotected

Copy Settings... Edit...

步驟16.在文本欄位中，輸入要複製選定LAG設定的LAG或LAG範圍，然後按一下應用。

Copy configuration from entry 1 (LAG 1)

to: (Example: 1,3,5-10 or: LAG 1,LAG 3-LAG 5)

檢視與本文相關的影片.....

按一下此處檢視思科的其他技術對話