

# 在SG350XG和SG550XG上配置链路聚合组

## 目标

链路聚合组(LAG)是已并行组合为一个逻辑连接的网络连接集合。创建LAG可以实现冗余：如果LAG中的一条链路发生故障，则其他链路可用作备份。LAG还可以通过使用其所有链路同时传输数据来大大提高吞吐量。

下面解释它如何工作:链路聚合控制协议(LACP)是IEEE规范(802.3az)的一部分，它可以控制将多个物理端口捆绑在一起以形成单个逻辑通道(LAG)。LAG的活动成员端口上的流量负载均衡由基于散列的分布函数管理，该分布函数基于第2层或第3层数据包报头信息分布单播和组播流量。LACP通过捆绑多个物理端口帮助形成一个LAG。它还负责带宽倍增、提高端口灵活性，以及在任意2台设备之间的链路上提供冗余。此外，这有助于更改LAG速度、通告、流量控制，以及可在LAG设置表中轻松识别的保护。

本文档的目标是向您展示如何在SG350XG和SG550XG上配置LAG。

## 适用设备

- SG350XG
- SG550XG

## 软件版本

- 2.0.0.73

## LAG管理

步骤1.登录到Web配置实用程序，然后选择Port Management > Link Aggregation > LAG Management。将打开“LAG管理”页。

# 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...

**注意：**以上屏幕截图取自SG550XG，它有32个不同的LAG。SG350XG仅有8个LAG。

步骤2.在Load Balance Algorithm字段中，选择单选按钮以确定交换机如何处理每个LAG上的负载均衡。负载均衡用于在LAG中的所有链路上发送数据，从而提高吞吐量。在某些网络中，使用MAC地址更有效。



LAG Management

Load Balance Algorithm:  MAC Address  IP/MAC Address

Apply Cancel

选项有：

- MAC地址 — 对所有数据包使用源MAC地址和目的MAC地址执行负载均衡。
- IP/MAC地址 — 对IP数据包使用源IP地址和目的IP地址，对所有非IP数据包使用源MAC地址和目的MAC地址，执行负载均衡。

步骤3.单击“应用”。负载均衡设置将保存到运行配置文件。



LAG Management

Load Balance Algorithm:  MAC Address  IP/MAC Address

Apply Cancel

步骤4. LAG管理表显示交换机上当前配置的所有LAG的信息。选择LAG的单选按钮，然后单击“编辑……”，以在出现的“编辑LAG成员”窗口中编辑其设置。

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..."/>							

步骤5.在LAG下拉列表中，选择要配置其设置的LAG。您在LAG管理表中选择的LAG将在此处自动选择。此字段可用于在LAG之间切换和配置其设置，而不返回LAG管理页。

LAG: 1

LAG Name: (0/64 characters used)

LACP:

Unit: 1

Port List:

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

LAG Members:

Apply Close

步骤6.在LAG Name字段中，输入LAG的名称或说明。此名称不会影响LAG的操作，因为它仅用于轻松识别。

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

步骤7.在LACP字段中，选中启用复选框以启用LAG的链路聚合控制协议(LACP)。交换机使用LACP与其他连接的设备（也使用LACP）通信并协调LAG信息，从而创建动态LAG。端口添加到LAG后，此字段将不可用；从LAG中删除所有端口将允许此设置再次可用。

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

步骤8.在Unit下拉列表中，选择堆栈中包含要添加到LAG的端口的交换机。如果交换机不是堆栈的一部分，则只有1个可用。

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

步骤9.使用箭头按钮，从“端口列表”中选择一个端口，并将其移到“LAG成员”区域，反之亦然。

LAG: 1

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

LACP:  Enable

---

Unit: 1

Port List: XG4, XG5, XG6, XG7, XG8, XG9, XG10, XG11

LAG Members: XG1/1, XG1/2, XG1/3

Apply Close

步骤10.单击“应用”。LAG设置保存到运行配置。在LAG字段中选择要配置的另一个LAG，或单击关闭返回LAG Management页。

LAG: 1

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

LACP:  Enable

---

Unit: 1

Port List: XG4, XG5, XG6, XG7, XG8, XG9, XG10, XG11

LAG Members: XG1/1, XG1/2, XG1/3

Apply Close

## LAG设置

步骤1.登录到Web配置实用程序，然后选择Port Management > Link Aggregation > LAG

Settings。将打开“LAG设置”页。

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...

步骤2. LAG Setting Table(LAG设置表)显示交换机上当前配置的所有LAG的信息。选择LAG的单选按钮，然后单击“编辑.....”以在“编辑LAG设置”页中编辑其设置。

## 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...

步骤3.在LAG下拉列表中，选择要配置其设置的LAG。您在LAG设置表中选择的LAG将在此处自动选择。此字段可用于在LAG之间切换和配置其设置，而不返回LAG Settings页面。LAG Type字段显示组成LAG的端口类型。

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
 1000 Full
Operational Advertisement: Unknown

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

Protected LAG:
 Enable

Apply Close

步骤4.在“说明”字段中，输入LAG的名称或注释。这不会影响LAG的操作，因为它仅用于识别目的。

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
 1000 Full
Operational Advertisement: Unknown

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

Protected LAG:
 Enable

Apply Close

步骤5.在“管理状态”字段中，选择打开或关闭单选按钮，以确定LAG是打开（运行）还是关闭（非运行）。“运行状态”字段显示LAG当前是打开还是关闭。如果当前显示模式为基本，请跳至步骤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 <a href="#">Edit</a>	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		
<a href="#">Apply</a> <a href="#">Close</a>			

步骤6.在Link Status SNMP Traps字段中，选中Enable复选框，使交换机生成SNMP陷阱，该陷阱通知LAG中端口的链路状态发生更改。

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 <a href="#">Edit</a>	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	

[Apply](#) [Close](#)

步骤7.在Time Range字段中，选中**Enable**复选框，使LAG仅在预配置的时间范围内处于启用状态。当超出此时间范围时，LAG将关闭。如果没有可用的时间范围配置文件，则此字段不可用。

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 <a href="#">Edit</a>	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		

步骤8.在Time Range Name下拉列表中，选择要应用于LAG的时间范围配置文件。如果没有定义时间范围配置文件，或者如果希望对现有配置文件进行更改，请单击“编辑”以转到“时间范围”页。“操作时间范围状态”字段显示时间范围当前是活动还是非活动。有关时间范围的详细信息，请参阅[在SG550XG和SG350XG上设置时间范围一文](#)。

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:	testing1 <input type="button" value="Edit"/> 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"/> 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"/>		

[步骤9](#). 在“管理自动协商”字段中，选中启用复选框以启用LAG的自动协商。此功能使LAG能自动将其传输速度、双工模式和流量控制功能传输到LAG伙伴。如果启用此功能，请跳至[步骤11](#)。“操作自动协商”字段显示LAG的当前自动协商状态。

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 <a href="#">Edit</a>	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		

[Apply](#) [Close](#)

步骤10.如果未启用自动协商，则“管理速度”字段可用。选择单选按钮以确定LAG的速度。Operational LAG Speed字段显示LAG的当前速度。

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 <a href="#">Edit</a>	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"/>			

选项有：

- 10M - LAG以10 Mbps的速度运行。
- 100M - LAG以100 Mbps的速度运行。
- 1000M - LAG以1000 Mbps的速度运行。
- 10G - LAG以10 Gbps的速度运行。

**步骤11.** 如果启用了自动协商，则“管理通告”字段将可用。勾选相应的复选框，以指示在自动协商期间通告哪些功能。 *Operational Advertisement* 字段显示LAG当前通告的功能。

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 <a href="#">Edit</a>	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 checked="" type="radio"/> Disable <input type="radio"/> Auto-Negotiation	Operational Flow Control:	
Protected LAG:	<input type="checkbox"/> Enable		

Apply Close

选项有：

- 最大功能 — 接受所有速度和双工模式设置。默认情况下会选中此复选框。如果选中此选项，则不能选中其他复选框。
- 10全 — 10 Mbps速度和全双工模式。
- 100全 — 100 Mbps速度和全双工模式。
- 1000全 — 1000 Mbps速度和全双工模式。
- 10000全 — 10000 Mbps速度和全双工模式。

步骤12.在Administrative Flow Control(管理流控制)字段中，选择单选按钮以启用或禁用802.3x流控制。您还可以选择启用流量控制的自动协商。流量控制是一种协议，当网络变得不堪重负时，交换机可以使用该协议来停止远程LAG的传输。“操作流控制”字段显示LAG的当前流控制状态。

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 <a href="#">Edit</a>	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"/>			

步骤13.在Protected LAG字段中，选中**Enable**复选框，使LAG成为受保护的LAG。受保护的LAG在共享同一VLAN的接口之间提供第2层隔离。

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 <a href="#">Edit</a>	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	
<a href="#">Apply</a> <a href="#">Close</a>		

步骤14.单击“应用”。设置将保存到运行配置文件。从LAG字段中选择要配置的另一LAG，或单击关闭返回LAG设置页。

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 <a href="#">Edit</a>	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	
<input checked="" type="button" value="Apply"/> <input type="button" value="Close"/>		

步骤15.如果要快速将LAG的设置复制到另一个LAG，请单击其单选按钮，然后单击“复制设置.....”按钮。系统将显示“复制设置”窗口。

LAG Settings

LAG Setting Table

Entry No.	LAG	Description	Type	Status	Link Status	Time Range		Auto Negotiation	Speed	Flow Control	Protection State
						SNMP Traps	Name				
<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...

步骤16.在文本字段中，输入要将所选LAG设置复制到的LAG或LAG范围，然后单击“应用”。

Copy configuration from entry 1 (LAG 1)

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

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