SG350XG和SG550XG交換機上的頻寬配置

目標

Bandwidth頁允許使用者定義兩個值:入口速率限制和出口整形速率,它們決定系統可以接收 和傳送的流量大小。

本文檔的目標是向您展示如何在SG350XG和SG550XG交換機上配置頻寬。

附註:本文檔中的步驟在「高級顯示模式」下執行。要更改高級顯示模式,請轉到右上角,然 後在*顯示模式*下拉選單中選擇**高級**。

適用裝置

- SG350XG
- SG550XG

軟體版本

• V2.0.0.73

配置頻寬

步驟1.登入到Web配置實用程式,然後選擇**Quality of Service > General > Bandwidth**。將開 啟*Bandwidth*頁面。

Bar	Bandwidth								
Ban	Bandwidth Table								
Filte	Filter: Interface Type equals to Port of Unit 1 🗨 Go								
	Entry No.	Interface	Ingress Ra	ress Rate Limit Egress Shaping Rates					
			Status	Rate Limit (KBits/sec)	%	CBS (Bytes)	Status	CIR (KBits/sec)	CBS (Bytes)
0	1	XG1	Disabled				Disabled		
\odot	2	XG2	Disabled				Disabled		
	3	XG3	Disabled				Disabled		
\odot	4	XG4	Disabled				Disabled		
	5	XG5	Disabled				Disabled		
\odot	6	XG6	Disabled				Disabled		
\odot	7	XG7	Disabled				Disabled		
\odot	8	XG8	Disabled				Disabled		
0	9	XG9	Disabled				Disabled		
\odot	10	XG10	Disabled		Disabled				
\odot	11	XG11	Disabled				Disabled		
\odot	12	XG12	Disabled				Disabled		
\odot	13	XG13	Disabled				Disabled		
\odot	14	XG14	Disabled				Disabled		
\odot	15	XG15	Disabled				Disabled		
\odot	16	XG16	Disabled				Disabled		
\odot	17	XG17	Disabled				Disabled		
\odot	18	XG18	Disabled				Disabled		
0	19	XG19	Disabled				Disabled		
\odot	20	XG20	Disabled				Disabled		
\odot	21	XG21	Disabled				Disabled		
\odot	22	XG22	Disabled				Disabled		
0	23	XG23	Disabled				Disabled		
\odot	24	XG24	Disabled				Disabled		
	Copy Sett	tings	Edit.						

步驟2.在*Filter:Interface Type equals to下*拉清單,選擇所需的**Port of Unit**或**LAG**。Port of Unit選項表示您正在選擇堆疊中特定裝置上的埠,而LAG表示您正在選擇鏈路聚合組。選擇所 需選項後,按一下**Go**。

Bar	Bandwidth Table									
Filte	er: Interface	Type equal	Is to Port o	of Unit 1 🔽 😡						
	Entry No.	Interface	Ingi Port o	f Unit 1			Egress Sh	Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	CBS (Bytes)	Status	CIR (KBits/sec)	CBS (Bytes)	
۲		XG1	Disabled				Disabled			
\odot	2	XG2	Disabled				Disabled			
\odot	3	XG3	Disabled				Disabled			
\odot	4	XG4	Disabled				Disabled			
\odot	5	XG5	Disabled				Disabled			
\odot	6	XG6	Disabled				Disabled			
\odot	7	XG7	Disabled				Disabled			
\odot	8	XG8	Disabled				Disabled			
\odot	9	XG9	Disabled				Disabled			
\odot	10	XG10	Disabled				Disabled			
0	11	XG11	Disabled				Disabled			
\odot	12	XG12	Disabled				Disabled			
0	13	XG13	Disabled				Disabled			
\odot	14	XG14	Disabled				Disabled			
0	15	XG15	Disabled				Disabled			
\odot	16	XG16	Disabled				Disabled			
0	17	XG17	Disabled				Disabled			
\odot	18	XG18	Disabled				Disabled			
0	19	XG19	Disabled				Disabled			
\odot	20	XG20	Disabled				Disabled			
0	21	XG21	Disabled				Disabled			
\odot	22	XG22	Disabled				Disabled			
\odot	23	XG23	Disabled				Disabled			
0	24	XG24	Disabled				Disabled			

附註:如果堆疊中有更多裝置,則會有更多選項(例如**裝置2的**連線埠)。

步驟3.按一下要配置頻寬設定的介面的單選按鈕,然後按一下**Edit**...。

Bar	Bandwidth Table								
Filte	er: Interface	Type equa	Is to Port of	of Unit 1 💌 🛛 Go					
	Entry No.	Interface	Ingress Ra	ate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	CBS (Bytes)	Status	CIR (KBits/sec)	CBS (Byte
0	1	XG1	Disabled				Disabled		
\odot	2	XG2	Disabled				Disabled		
\odot	3	XG3	Disabled				Disabled		
\odot	4	XG4	Disabled				Disabled		
\odot	5	XG5	Disabled				Disabled		
\odot	6	XG6	Disabled				Disabled		
\odot	7	XG7	Disabled				Disabled		
\odot	8	XG8	Disabled				Disabled		
\odot	9	XG9	Disabled				Disabled		
\odot	10	XG10	Disabled				Disabled		
\odot	11	XG11	Disabled				Disabled		
\odot	12	XG12	Disabled				Disabled		
\odot	13	XG13	Disabled				Disabled		
\odot	14	XG14	Disabled				Disabled		
\odot	15	XG15	Disabled				Disabled		
\odot	16	XG16	Disabled				Disabled		
\odot	17	XG17	Disabled				Disabled		
\odot	18	XG18	Disabled				Disabled		
\odot	19	XG19	Disabled				Disabled		
\odot	20	XG20	Disabled				Disabled		
\odot	21	XG21	Disabled				Disabled		
\odot	22	XG22	Disabled				Disabled		
\odot	23	XG23	Disabled				Disabled		
0	24	XG24	Disabled				Disabled		
	Copy Set	tings	Edit						

出現Edit Bandwidth視窗:

Interface:	Ounit 1			
Ingress Rate Limit:	Enable			
🏶 Ingress Rate Limit:	100	KBits/sec (Range: 100 - 10000000, Default: 100)		
✤ Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)		
Egress Shaping Rate:	Enable			
& Committed Information Rate (CIR):	64	KBits/sec (Range: 64 - 10000000, Default: 64)		
& Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)		
Apply Close		,		

附註:當介面型別為LAG時,不會顯示Ingress Rate Limit欄位。如果介面型別為**LAG**,請跳至 <u>步驟7</u>。

步驟4.在*Ingress Rate Limit*欄位中,如果要啟用輸入速率限制,請勾選**Enable**覈取方塊。入口 速率限制限制介面上的傳入流量量。如果您不想啟用它,請跳至<u>步驟7</u>。

Interface:	Ounit 1	XG1 💌 🔘 LAG 🔟 🗸
Ingress Rate Limit:	💌 Enable	
🌣 Ingress Rate Limit:	100	KBits/sec (Range: 100 - 10000000, Default: 100)
Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	Enable	
& Committed Information Rate (CIR):	64	KBits/sec (Range: 64 - 10000000, Default: 64)
& Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		

步驟5.如果您選擇在<u>步驟4</u>中啟用輸入速率限制,請在*輸入速率限制*欄位中輸入介面上允許的 所需最大頻寬量。最小值為100 KBits/sec,最大值為10000000 KBits/sec。

Interface:	Ounit 1	XG1 💌 🔘 LAG 1 👻
Ingress Rate Limit:	Enable	
🌣 Ingress Rate Limit:	200	KBits/sec (Range: 100 - 10000000, Default: 100)
Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	Enable	
& Committed Information Rate (CIR):	64	KBits/sec (Range: 64 - 10000000, Default: 64)
& Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		

步驟6.如果您選擇在步驟4中啟用輸入速率限制,請輸入入口介面所需的最大資料突發大小 (以位元組為單位)。即使臨時增加頻寬超過允許的限制,也可以傳送此數量。最小範圍為 3000位元組,最大範圍為10000000位元組。

Interface:	Ounit 1	XG1 💌 🔘 LAG 🔟 🖵
Ingress Rate Limit:	Enable	
🌣 Ingress Rate Limit:	200	KBits/sec (Range: 100 - 10000000, Default: 100)
Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	Enable	
& Committed Information Rate (CIR):	64	KBits/sec (Range: 64 - 10000000, Default: 64)
Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		,

步驟7.在*Egress Shaping Rate*欄位中,如果要啟用傳出流量限制,請勾選**Enable**覈取方塊。 如果您不想啟用它,請跳至<u>步驟10</u>。

Interface:	Onit 1	XG1 💌 🔘 LAG 1 🗸
Ingress Rate Limit:	Enable	
Ingress Rate Limit:	200	KBits/sec (Range: 100 - 10000000, Default: 100)
CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	🕼 Enable	
Committed Information Rate (CIR):	64	KBits/sec (Range: 64 - 10000000, Default: 64)
Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		

步驟8。如果您選擇在<u>步驟7</u>中啟用輸出整形速率,請在*Committed Information Rate(CIR)欄位 中輸入輸出介面所需的最大頻*寬。最小值為64 KBits/sec,最大值為10000000 KBits/sec。

Interface:	Onit 1	XG1 💌 🔘 LAG 1 🗸
Ingress Rate Limit:	Enable	
Ingress Rate Limit:	200	KBits/sec (Range: 100 - 10000000, Default: 100)
Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	Enable	
Committed Information Rate (CIR):	100	KBits/sec (Range: 64 - 10000000, Default: 64)
Egress Committed Burst Size (CBS):	128000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		

步驟9。如果您選擇在<u>步驟7</u>中啟用輸出整形速率,請在*輸出承諾突發大小(CBS)欄位中輸入輸 出介面所需的資料最大突發*大小。即使臨時增加頻寬超過允許的限制,也可以傳送此數量。最 小範圍為4096位元組,最大範圍為16762902位元組。

Interface:	Onit I Port	XG1 🛡 🔘 LAG 丨 👻
Ingress Rate Limit:	Enable	
🌣 Ingress Rate Limit:	200	KBits/sec (Range: 100 - 10000000, Default: 100)
Ingress Committed Burst Size (CBS):	128000	Bytes (Range: 3000 - 19173960, Default: 128000)
Egress Shaping Rate:	Enable	
Committed Information Rate (CIR):	100	KBits/sec (Range: 64 - 10000000, Default: 64)
Egress Committed Burst Size (CBS):	180000	Bytes (Range: 4096 - 16762902, Default: 128000)
Apply Close		

步驟10.按一下Apply。頻寬設定將寫入運行配置檔案。

複製設定

步驟1.按一下要從其中複製頻寬配置的介面的單選按鈕。然後按一下複製設定......

Bar	Bandwidth Table								
Filte	er: Interface	Type equa	Is to Port of	of Unit 1 💌 🛛 Go					
	Entry No.	Interface	Ingress R	ate Limit			Egress Sh	aping Rates	
			Status	Rate Limit (KBits/sec)	%	CBS (Bytes)	Status	CIR (KBits/sec)	CBS (Bytes)
\bigcirc		XG1			0.002	128000			
\odot	2	XG2	Disabled				Disabled		
\odot	3	XG3	Disabled				Disabled		
\odot	4	XG4	Disabled				Disabled		
\odot	5	XG5	Disabled				Disabled		
\odot	6	XG6	Disabled				Disabled		
\odot	7	XG7	Disabled				Disabled		
\odot	8	XG8	Disabled				Disabled		
\odot	9	XG9	Disabled				Disabled		
\odot	10	XG10	Disabled				Disabled		
\odot	11	XG11	Disabled				Disabled		
\odot	12	XG12	Disabled				Disabled		
\odot	13	XG13	Disabled				Disabled		
\odot	14	XG14	Disabled				Disabled		
\odot	15	XG15	Disabled				Disabled		
\odot	16	XG16	Disabled				Disabled		
\odot	17	XG17	Disabled				Disabled		
\odot	18	XG18	Disabled				Disabled		
\odot	19	XG19	Disabled				Disabled		
\odot	20	XG20	Disabled				Disabled		
\odot	21	XG21	Disabled				Disabled		
\odot	22	XG22	Disabled				Disabled		
\odot	23	XG23	Disabled				Disabled		
0	24	XG24	Disabled				Disabled		
C	Copy Set	tings	Edit						

出現「*Copy Settings*」視窗:

Copy configuration from entry 1 (XG1)					
to:	(Example: 1,3,5-10 or: XG1,XG3-XG5)				
Apply Close]				

步驟2.在*到*欄位中,輸入要複製選定埠設定的埠或埠範圍。然後按一下「Apply」。

Copy configuration from entry 1 (XG1)	
to: XG5, XG7-XG9	(Example: 1,3,5-10 or: XG1,XG3-XG5)
Apply Close	