

Sx500系列堆疊式交換機上每埠配置的頻寬

目標

Bandwidth 頁面允許網路管理員定義輸入速率限制和輸出整形速率。這些值確定系統可以傳送和接收多少流量。輸入速率限制是每秒可從輸入介面接收的位數。超出此限制的額外頻寬將被丟棄。輸入流量是指源自網路外部並流入網路的流量。輸出流量是源自網路內部並流出網路的網路流量。

本文說明如何在Sx500系列堆疊式交換器上設定每個介面的頻寬限制。

適用裝置

·Sx500系列堆疊式交換器

軟體版本

·v1.2.7.76

介面上的頻寬組態

步驟1. 登入到Web配置實用程式，然後選擇Quality of Service > General > Bandwidth。*Bandwidth* 頁面隨即開啟：

Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
		Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input type="radio"/>	1 FE1	Disabled			Disabled		
<input type="radio"/>	2 FE2	Disabled			Disabled		
<input type="radio"/>	3 FE3	Disabled			Disabled		
<input type="radio"/>	4 FE4	Disabled			Disabled		
<input type="radio"/>	5 FE5	Disabled			Disabled		
<input type="radio"/>	6 FE6	Disabled			Disabled		
<input type="radio"/>	7 FE7	Disabled			Disabled		
<input type="radio"/>	8 FE8	Disabled			Disabled		
<input type="radio"/>	9 FE9	Disabled			Disabled		
<input type="radio"/>	10 FE10	Disabled			Disabled		

步驟2. 從Filter欄位的Interface Type下拉選單中選擇介面型別，然後按一下Go。

Bandwidth

Bandwidth Table

Filter: *Interface Type* equals to

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input checked="" type="radio"/>	1	FE1	Disabled			Disabled		
<input type="radio"/>	2	FE2	Disabled			Disabled		
<input type="radio"/>	3	FE3	Disabled			Disabled		
<input type="radio"/>	4	FE4	Disabled			Disabled		
<input type="radio"/>	5	FE5	Disabled			Disabled		
<input type="radio"/>	6	FE6	Disabled			Disabled		
<input type="radio"/>	7	FE7	Disabled			Disabled		
<input type="radio"/>	8	FE8	Disabled			Disabled		
<input type="radio"/>	9	FE9	Disabled			Disabled		
<input type="radio"/>	10	FE10	Disabled			Disabled		

步驟3. 按一下所需介面旁的單選按鈕，然後按一下**Edit**。將開啟「編輯」視窗

Bandwidth

Bandwidth Table

Filter: *Interface Type* equals to

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input checked="" type="radio"/>	1	FE1	Disabled			Disabled		
<input type="radio"/>	2	FE2	Disabled			Disabled		
<input type="radio"/>	3	FE3	Disabled			Disabled		
<input type="radio"/>	4	FE4	Disabled			Disabled		
<input type="radio"/>	5	FE5	Disabled			Disabled		
<input type="radio"/>	6	FE6	Disabled			Disabled		
<input type="radio"/>	7	FE7	Disabled			Disabled		
<input type="radio"/>	8	FE8	Disabled			Disabled		
<input type="radio"/>	9	FE9	Disabled			Disabled		
<input type="radio"/>	10	FE10	Disabled			Disabled		

步驟4. (可選) 點選Unit/Slot and Port或LAG的單選按鈕，然後從下拉選單中選擇介面。

Interface: Unit/Slot LAG

Ingress Rate Limit: Enable

Ingress Rate Limit: KBits/sec. (Range: 100 - 100000, Default: 100)

Egress Shaping Rate: Enable

Committed Information Rate (CIR): KBits/sec. (Range: 64 - 100000, Default: 64)

Committed Burst Size (CBS): Bytes (Range: 4096 - 16762902, Default: 128000)

步驟5. (可選) 若要啟用輸入限制，請選中Ingress Rate Limit覈取方塊。這是用來限制特定連

線埠上的輸入（傳入）流量。

註：如果您不想配置入口速率限制，請跳至步驟7。

The screenshot shows a configuration window for an interface. At the top, 'Interface:' is set to 'Unit/Slot 1/2' and 'Port FE1'. The 'Ingress Rate Limit' checkbox is checked and highlighted with a red box. Below it, the 'Ingress Rate Limit' value is set to '120' KBits/sec. The 'Egress Shaping Rate' checkbox is unchecked. The 'Committed Information Rate (CIR)' is set to '64' KBits/sec, and the 'Committed Burst Size (CBS)' is set to '128000' Bytes. At the bottom, there are 'Apply' and 'Close' buttons.

步驟6.在Ingress Rate Limit欄位中輸入介面允許的最大頻寬量。這是特定連線埠的輸入流量的最大頻寬。

註：當介面型別為LAG時，不會顯示「入口速率限制」欄位。

This screenshot is identical to the previous one, showing the 'Ingress Rate Limit' configuration. The 'Ingress Rate Limit' value of '120' is highlighted with a red box.

步驟7.（可選）要在介面上啟用出口整形，請選中「出口整形速率」覈取方塊。當目標期望資料流流暢而非資料突發不規則時，出口整形非常有用。

註：如果您不想配置出口速率限制，請跳至步驟10。

The screenshot shows the configuration window with 'Egress Shaping Rate' checked and highlighted with a red box. The 'Ingress Rate Limit' is still set to '120'. The 'Committed Information Rate (CIR)' is now set to '70' KBits/sec, and the 'Committed Burst Size (CBS)' is set to '6670' Bytes. 'Apply' and 'Close' buttons are at the bottom.

步驟8.在Committed Information Rate(CIR)欄位中輸入出口介面允許的最大頻寬。這是Internet服務提供商(ISP)提供的允許頻寬。

Interface: Unit/Slot 1/2 Port FE1 LAG 1

Ingress Rate Limit: Enable

Ingress Rate Limit: 120 KBits/sec. (Range: 100 - 100000, Default: 100)

Egress Shaping Rate: Enable

Committed Information Rate (CIR): 70 KBits/sec. (Range: 64 - 100000, Default: 64)

Committed Burst Size (CBS): 6670 Bytes (Range: 4096 - 16762902, Default: 128000)

Apply Close

步驟9.在Committed Burst Size欄位中輸入出口介面允許的最大資料突發大小（以位元組為單位）。

注意：即使頻寬增加到超過允許的限制，也可以傳送此數量。這是允許超過CIR的速率。

Interface: Unit/Slot 1/2 Port FE1 LAG 1

Ingress Rate Limit: Enable

Ingress Rate Limit: 120 KBits/sec. (Range: 100 - 100000, Default: 100)

Egress Shaping Rate: Enable

Committed Information Rate (CIR): 70 KBits/sec. (Range: 64 - 100000, Default: 64)

Committed Burst Size (CBS): 6670 Bytes (Range: 4096 - 16762902, Default: 128000)

Apply Close

步驟10.按一下Apply。頻寬配置已應用。

Interface: Unit/Slot 1/2 Port FE1 LAG 1

Ingress Rate Limit: Enable

Ingress Rate Limit: 120 KBits/sec. (Range: 100 - 100000, Default: 100)

Egress Shaping Rate: Enable

Committed Information Rate (CIR): 70 KBits/sec. (Range: 64 - 100000, Default: 64)

Committed Burst Size (CBS): 6670 Bytes (Range: 4096 - 16762902, Default: 128000)

Apply Close

Bandwidth

Bandwidth Table

Filter: *Interface Type* equals to

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input checked="" type="radio"/>	1	FE1	Enabled	120	0.1	Enabled	70	6670
<input type="radio"/>	2	FE2	Disabled			Disabled		
<input type="radio"/>	3	FE3	Disabled			Disabled		
<input type="radio"/>	4	FE4	Disabled			Disabled		
<input type="radio"/>	5	FE5	Disabled			Disabled		
<input type="radio"/>	6	FE6	Disabled			Disabled		
<input type="radio"/>	7	FE7	Disabled			Disabled		
<input type="radio"/>	8	FE8	Disabled			Disabled		
<input type="radio"/>	9	FE9	Disabled			Disabled		
<input type="radio"/>	10	FE10	Disabled			Disabled		

步驟11。(可選) 按一下所需介面/埠旁的單選按鈕，然後按一下**Copy Settings**。出現「Copy Settings (複製設定)」視窗。

Bandwidth

Bandwidth Table

Filter: *Interface Type* equals to

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input checked="" type="radio"/>	1	FE1	Enabled	120	0.1	Enabled	70	6670
<input type="radio"/>	2	FE2	Disabled			Disabled		
<input type="radio"/>	3	FE3	Disabled			Disabled		
<input type="radio"/>	4	FE4	Disabled			Disabled		
<input type="radio"/>	5	FE5	Disabled			Disabled		
<input type="radio"/>	6	FE6	Disabled			Disabled		
<input type="radio"/>	7	FE7	Disabled			Disabled		
<input type="radio"/>	8	FE8	Disabled			Disabled		
<input type="radio"/>	9	FE9	Disabled			Disabled		
<input type="radio"/>	10	FE10	Disabled			Disabled		

步驟12。(可選) 在所提供的欄位中輸入需要將配置複製到的介面。

Copy configuration from entry 1 (FE1)

to: (Example: 1,3,5-10 or FE1,FE3-FE5)

步驟13.按一下**Apply**以套用設定。

Bandwidth Table

Filter: *Interface Type* equals to

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input type="radio"/>	1	FE1	Enabled	120	0.1	Enabled	70	6670
<input type="radio"/>	2	FE2	Disabled			Disabled		
<input type="radio"/>	3	FE3	Enabled	120	0.1	Enabled	70	6670
<input type="radio"/>	4	FE4	Disabled			Disabled		
<input type="radio"/>	5	FE5	Disabled			Disabled		
<input type="radio"/>	6	FE6	Disabled			Disabled		
<input type="radio"/>	7	FE7	Disabled			Disabled		
<input type="radio"/>	8	FE8	Disabled			Disabled		
<input type="radio"/>	9	FE9	Disabled			Disabled		
<input type="radio"/>	10	FE10	Disabled			Disabled		