

# 在SG350XG和SG550XG上配置STP介面設定

## 目標

生成樹通訊協定(STP)是一種網路通訊協定，可防止拓撲中出現回圈。這些環路導致交換機轉發流量次數無限。這會導致網路泛洪和使用其資源，從而降低網路效率。

STP介面設定用於提高每個埠的STP效率。使用邊緣埠功能，快速鏈路通過在連線裝置時將埠設定為轉發狀態來提高STP收斂速度。根防護和橋接協定資料單元(BPDU)防護用於控制STP拓撲。拓撲中的這種額外控制可防止出現任何橋接環路。

本文檔的目的是向您展示如何在SG350XG和SG550XG上配置STP介面設定。

**附註：**本文檔中的步驟在「高級顯示模式」下執行。若要變更為「Advanced Display Mode (高級顯示模式)」，請轉到右上角，然後在「Display Mode (顯示模式)」下拉選單中選擇「Advanced」(高級)。

## 適用裝置

- SG350XG
- SG550XG

## 軟體版本

- SG350XG - v2.0.0.73
- SG550XG - v2.0.0.73

## 配置STP介面設定

步驟1. 登入到Web配置實用程式並選擇生成樹> STP介面設定。將開啟STP Interface Settings 頁面：

Entry No.	Interface	STP	Edge Port	Root Guard	BPDU Guard	BPDU Handling	Port Role	Path Cost	Priority	Port State	Designated Bridge ID	Designated Port ID	Designated Cost	Forward Transitions	LAG
<input type="radio"/>	1 XG1	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	2 XG2	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	3 XG3	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	4 XG4	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	5 XG5	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	6 XG6	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	7 XG7	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	8 XG8	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	9 XG9	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	10 XG10	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	11 XG11	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	12 XG12	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	13 XG13	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	14 XG14	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	15 XG15	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	16 XG16	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	17 XG17	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	18 XG18	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	19 XG19	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	20 XG20	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	21 XG21	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	22 XG22	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	23 XG23	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	24 XG24	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	
<input type="radio"/>	25 XG25	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A	

步驟2. 在Filter:Interface Type equals to 下拉清單，選擇所需的Port of Unit或LAG。然後按一下「Go」。

STP Interface Settings

STP Interface Setting Table Showing 1-48 of 48 All per page

Filter: Interface Type equals to

Entry No.	Interface	Enabled	Disabled	Root Guard	BPDU Guard	BPDU Handling	Port Role	Path Cost	Priority	Port State	Designated Bridge ID	Designated Port ID	Designated Cost	Forward Transitions	LAG
<input type="radio"/>	1	XG1	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	2	XG2	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	3	XG3	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	4	XG4	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	5	XG5	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	6	XG6	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	7	XG7	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	8	XG8	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	9	XG9	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	10	XG10	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	11	XG11	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	12	XG12	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	13	XG13	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	14	XG14	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	15	XG15	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	16	XG16	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	17	XG17	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	18	XG18	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	19	XG19	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	20	XG20	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	21	XG21	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	22	XG22	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	23	XG23	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	24	XG24	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A
<input type="radio"/>	25	XG25	Enabled	Disabled	Disabled	Disabled	STP	Disabled	2000000	128	Disabled	N/A	N/A	N/A	N/A

**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. STP介面設定表顯示交換機上當前配置的所有介面的資訊。選擇一個單選按鈕，然後按一下編輯.....在出現的「編輯STP介面設定」視窗中編輯其設定。

## STP Interface Settings

STP Interface Setting Table

Filter: *Interface Type* equals to

	Entry No.	Interface	STP	Edge Port	Root Guard	BPDU Guard	BPDU Handling	Port Role	Path
<input checked="" type="radio"/>	1	XG1	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	2	XG2	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	3	XG3	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	4	XG4	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	5	XG5	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	6	XG6	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	7	XG7	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	8	XG8	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	9	XG9	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	10	XG10	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	11	XG11	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	12	XG12	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	13	XG13	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	14	XG14	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	15	XG15	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	16	XG16	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	17	XG17	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	18	XG18	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	19	XG19	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	20	XG20	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	21	XG21	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	22	XG22	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	23	XG23	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	24	XG24	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	25	XG25	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	26	XG26	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	27	XG27	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	28	XG28	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input checked="" type="radio"/>	29	XG29	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	30	XG30	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	31	XG31	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	32	XG32	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	33	XG33	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	34	XG34	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	35	XG35	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	36	XG36	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	37	XG37	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	38	XG38	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	39	XG39	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	40	XG40	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	41	XG41	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	42	XG42	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	43	XG43	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	44	XG44	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	45	XG45	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	46	XG46	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	47	XG47	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	48	XG48	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200

Copy Settings...

Edit...

[步驟4](#). 在 *Interface* 字段中，選擇單選按鈕。您可以選擇 *Unit and Port* 或 *LAG*。如果您選擇 *LAG*，請跳至 [步驟7](#)。

The image shows a configuration window with the following settings:

- Interface:**  Unit  LAG. The 'Unit' section is highlighted with a red box, showing 'Unit' selected with a dropdown menu set to '1', and 'Port' set to 'XG1'.
- STP:**  Enable
- Edge Port:**  Enable,  Auto,  Disable
- Root Guard:**  Enable
- BPDU Guard:**  Enable
- BPDU Handling:**  Use Global Settings,  Filtering,  Flooding
- Path Cost:**  Use Default,  User Defined (2000000) (Range: 1 - 200000000)
- Priority:** 128
- Port State:** Disabled
- Designated Bridge ID:** N/A
- Designated Port ID:** N/A
- Designated Cost:** N/A
- Forward Transitions:** N/A
- Speed:** 10G
- LAG:** N/A

Buttons: Apply, Close

[步驟5](#). 在 *Unit* 下拉選單中，選擇要配置的裝置。

Interface:	<input checked="" type="radio"/> Unit	1	Port	XG1	<input type="radio"/> LAG	1
STP:	<input checked="" type="checkbox"/>	Enable				
Edge Port:	<input type="radio"/>	Enable				
	<input checked="" type="radio"/>	Auto				
	<input type="radio"/>	Disable				
Root Guard:	<input type="checkbox"/>	Enable				
BPDU Guard:	<input type="checkbox"/>	Enable				
BPDU Handling:	<input checked="" type="radio"/>	Use Global Settings				
	<input type="radio"/>	Filtering				
	<input type="radio"/>	Flooding				
Path Cost:	<input checked="" type="radio"/>	Use Default				
	<input type="radio"/>	User Defined	2000000			(Range: 1 - 200000000)
Priority:		128				
<hr/>						
Port State:		Disabled				
Designated Bridge ID:		N/A				
Designated Port ID:		N/A				
Designated Cost:		N/A				
Forward Transitions:		N/A				
<hr/>						
Speed:		10G				
LAG:		N/A				

步驟6.在Port下拉選單中，選擇要配置的埠，然後跳至[步驟8](#)。

Interface:	<input checked="" type="radio"/> Unit <input type="radio"/> LAG	Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/>	<input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable	<input type="text" value="XG1"/>	
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable	XG2	
Root Guard:	<input type="checkbox"/> Enable	XG3	
BPDU Guard:	<input type="checkbox"/> Enable	XG4	
BPDU Handling:	<input checked="" type="radio"/> Use Global Setting <input type="radio"/> Filtering <input type="radio"/> Flooding	XG5	
Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined	XG6	
Priority:	<input type="text" value="128"/>	XG7	
Port State:	Disabled	XG8	
Designated Bridge ID:	N/A	XG9	
Designated Port ID:	N/A	XG10	
Designated Cost:	N/A	XG11	
Forward Transitions:	N/A	XG12	
Speed:	10G	XG13	
LAG:	N/A	XG14	
		XG15	
		XG16	
		XG17	
		XG18	
		XG19	
		XG20	

步驟7。如果已在步驟4中選擇了LAG，請選擇要配置的所需LAG埠。

Interface:	<input type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/>	<input checked="" type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable	
Edge Port:	<input type="radio"/> Enable	
	<input checked="" type="radio"/> Auto	
	<input type="radio"/> Disable	
Root Guard:	<input type="checkbox"/> Enable	
BPDU Guard:	<input type="checkbox"/> Enable	
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings	
	<input type="radio"/> Filtering	
	<input type="radio"/> Flooding	
Path Cost:	<input checked="" type="radio"/> Use Default	
	<input type="radio"/> User Defined <input type="text" value="20000"/>	(Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>	
<hr/>		
Port State:	Disabled	
Designated Bridge ID:	N/A	
Designated Port ID:	N/A	
Designated Cost:	N/A	
Forward Transitions:	N/A	

**步驟8.** 如果要在 *STP* 字段中啟用 **STP**，請選中啟用竊取方塊。預設情況下會選中此項。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input type="checkbox"/> Enable
BPDU Guard:	<input type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

步驟9.在 *Edge Port* 欄位中，您可以選擇 **Enable**、**Auto** 或 **Disable**。如果在連線埠上啟用快速連結模式，則連線埠連結開啟時，會自動將連線埠設定為轉送狀態。Fast Link 也稱為 port-fast。STP 的工作方式是「偵聽」大約 30-45 秒。啟用 Fast Link 後，它在轉換到轉發狀態之前僅偵聽約 5 秒。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input type="checkbox"/> Enable
BPDU Guard:	<input type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

選項定義如下：

- 啟用 — 立即啟用快速連結。
- 自動 — 在介面啟用幾秒鐘後啟用快速連結。這允許STP在啟用快速鏈路之前解決環路。
- Disable — 禁用快速連結。

步驟10.根防護選項提供了一種在網路中實施根網橋放置的方法。如果要啟用Root Guard，請選中**Enable**框。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✱ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

步驟11.跨網橋交換網橋協定資料單元(BPDU)以檢測網路拓撲中的環路。通過BPDU防護，您可以實施STP域邊界並保持活動拓撲的可預測性。已啟用BPDU防護的連線埠後面的裝置無法影響STP拓撲。在接收BPDU時，BPDU防護操作會禁用已配置BPDU的埠。在這種情況下，會收到BPDU訊息，並產生適當的SNMP設陷。如果要啟用BPDU防護，請選中**Enable**框。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> <input type="text" value="Port XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✱ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

步驟12.在BPDUHandling欄位中，選擇在埠或裝置上禁用STP時如何管理BPDU資料包。BPDU用於傳輸跨距樹狀目錄資訊。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✱ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

可用選項包括：

- 使用全域性設定 — 選擇以使用在中定義的設定
- [SG350XG和SG550XG頁上的STP狀態和全域性設置](#)。
- 過濾 — 當介面上禁用生成樹時，過濾BPDU資料包。
- 泛洪 — 當介面上禁用生成樹時，泛洪BPDU資料包。

步驟13.在路徑開銷欄位中，選擇**使用預設值**（使用系統生成的預設開銷）或**使用者定義**（將埠作用設定為根路徑開銷）。

Interface:	<input checked="" type="radio"/> Unit <input type="radio"/> LAG	Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/>	Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable	
Root Guard:	<input checked="" type="checkbox"/>	Enable
BPDU Guard:	<input checked="" type="checkbox"/>	Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding	
✦ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined	<input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>	
<hr/>		
Port State:	Disabled	
Designated Bridge ID:	N/A	
Designated Port ID:	N/A	
Designated Cost:	N/A	
Forward Transitions:	N/A	
<hr/>		
Speed:	10G	
LAG:	N/A	

步驟14.在*Priority*欄位中，設定連線埠的優先順序值。當橋接器有兩個連線埠連線到回圈時，優先順序值會影響連線埠的選擇。優先順序是一個介於0和240之間的值，以16的增量設定。最低優先順序為0，最高優先順序為240。

Interface:  Unit  Port  LAG

STP:  Enable

Edge Port:  Enable  
 Auto  
 Disable

Root Guard:  Enable

BPDU Guard:  Enable

BPDU Handling:  Use Global Settings  
 Filtering  
 Flooding

✱ Path Cost:  Use Default  
 User Defined  (Range: 1 - 200000000)

Priority:

Port State:

Designated Bridge ID:

Designated Port ID:

Designated Cost:

Forward Transitions:

Speed:

LAG:

埠狀態顯示埠的當前STP狀態。

Interface:	<input checked="" type="radio"/> Unit <input type="radio"/> LAG	Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable	
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable	
Root Guard:	<input checked="" type="checkbox"/> Enable	
BPDU Guard:	<input checked="" type="checkbox"/> Enable	
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding	
✦ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined	<input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>	
Port State:	<b>Disabled</b>	
Designated Bridge ID:	N/A	
Designated Port ID:	N/A	
Designated Cost:	N/A	
Forward Transitions:	N/A	
Speed:	10G	
LAG:	N/A	

狀態定義為：

- 已禁用 — 埠上當前已禁用STP。此連線埠會於學習MAC位址時轉送流量。
- 阻塞 — 連線埠目前遭到封鎖，無法轉送流量（BPDU資料除外）或得知MAC位址。
- 偵聽 — 埠處於偵聽模式。連線埠無法轉送流量，也無法學習MAC位址。
- Learning — 埠處於學習模式。連線埠無法轉送流量，但可以得知新的MAC位址。
- 轉送 — 連線埠處於轉送模式。此連線埠可以轉送流量並學習新的MAC位址。

指定網橋ID顯示網橋優先順序和指定網橋的MAC地址。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> <input type="text" value="▼"/> Port <input type="text" value="XG1"/> <input type="text" value="▼"/> <input type="radio"/> LAG <input type="text" value="1"/> <input type="text" value="▼"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✦ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/> <input type="text" value="▼"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

指定埠ID顯示所選埠的優先順序和介面。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✳ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	<b>N/A</b>
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

指定成本顯示參與STP拓撲的埠的成本。如果STP檢測到環路，具有較低成本埠被阻塞的可能性較小。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	<b>N/A</b>
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

*Forward Transitions*顯示連線埠從封鎖狀態變更為轉送狀態的次數。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> <input type="text" value="▼"/> Port <input type="text" value="XG1"/> <input type="text" value="▼"/> <input type="radio"/> LAG <input type="text" value="1"/> <input type="text" value="▼"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✦ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/> <input type="text" value="▼"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	<input type="text" value="N/A"/>
<hr/>	
Speed:	10G
LAG:	N/A

*Speed*顯示連線埠的速度。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> <input type="text" value="▼"/> Port <input type="text" value="XG1"/> <input type="text" value="▼"/> <input type="radio"/> LAG <input type="text" value="1"/> <input type="text" value="▼"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✦ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/> <input type="text" value="▼"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	<b>10G</b>
LAG:	N/A

附註：如果您在步驟4中選擇了LAG，則無法使用。

LAG顯示連線埠所屬的LAG。如果埠是LAG的成員，則LAG設定將覆蓋埠設定。

Interface:	<input checked="" type="radio"/> Unit <input type="radio"/> LAG
	Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✱ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	<input type="text" value="N/A"/>

**附註：**如果您在步驟4中選擇了LAG，則此選項不可用。

步驟15.按一下**Apply**。介面設定會寫入運行配置檔案。

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> Port <input type="text" value="XG1"/> <input type="radio"/> LAG <input type="text" value="1"/>
STP:	<input checked="" type="checkbox"/> Enable
Edge Port:	<input type="radio"/> Enable <input checked="" type="radio"/> Auto <input type="radio"/> Disable
Root Guard:	<input checked="" type="checkbox"/> Enable
BPDU Guard:	<input checked="" type="checkbox"/> Enable
BPDU Handling:	<input checked="" type="radio"/> Use Global Settings <input type="radio"/> Filtering <input type="radio"/> Flooding
✱ Path Cost:	<input checked="" type="radio"/> Use Default <input type="radio"/> User Defined <input type="text" value="2000000"/> (Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>
<hr/>	
Port State:	Disabled
Designated Bridge ID:	N/A
Designated Port ID:	N/A
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A
<hr/>	
<input checked="" type="button" value="Apply"/>	<input type="button" value="Close"/>

步驟16.如果要將連線埠的設定快速複製到另一個連線埠或連線埠群組，請在 *STP Interface Settings* 中選擇其單選按鈕，然後按一下 **Copy Settings...** 按鈕。

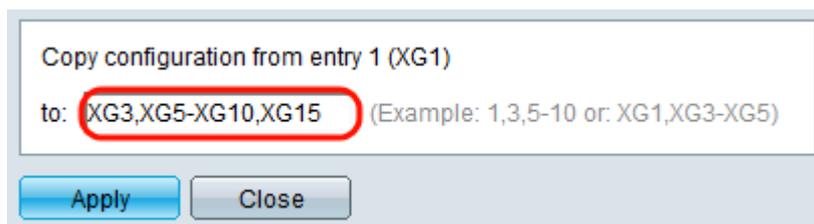
# STP Interface Settings

STP Interface Setting Table

Filter: *Interface Type* equals to

	Entry No.	Interface	STP	Edge Port	Root Guard	BPDU Guard	BPDU Handling	Port Role	Path
<input checked="" type="radio"/>	1	XG1	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	2	XG2	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	3	XG3	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	4	XG4	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	5	XG5	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	6	XG6	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	7	XG7	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	8	XG8	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	9	XG9	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	10	XG10	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	11	XG11	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	12	XG12	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	13	XG13	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	14	XG14	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	15	XG15	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	16	XG16	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	17	XG17	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	18	XG18	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	19	XG19	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	20	XG20	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	21	XG21	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	22	XG22	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	23	XG23	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	24	XG24	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	25	XG25	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	26	XG26	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	27	XG27	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	28	XG28	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input checked="" type="radio"/>	29	XG29	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	30	XG30	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	31	XG31	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	32	XG32	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	33	XG33	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	34	XG34	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	35	XG35	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	36	XG36	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	37	XG37	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	38	XG38	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	39	XG39	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	40	XG40	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	41	XG41	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	42	XG42	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	43	XG43	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	44	XG44	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	45	XG45	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	46	XG46	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	47	XG47	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200
<input type="radio"/>	48	XG48	Enabled	Disabled	Disabled	Disabled	STP	Disabled	200

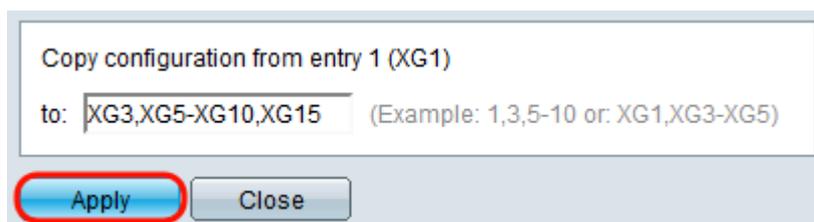
步驟17.在複製設定視窗中，在文本欄位中輸入要複製到的埠。可以指定多個埠（用逗號分隔）或埠範圍。



Copy configuration from entry 1 (XG1)

to:  (Example: 1,3,5-10 or: XG1,XG3-XG5)

步驟18.按一下**Apply**。設定被複製。



Copy configuration from entry 1 (XG1)

to:  (Example: 1,3,5-10 or: XG1,XG3-XG5)