

# STP-interface-instellingen configureren op de SG350XG en SG550XG

## Doel

Spanning Tree Protocol (STP) is een netwerkprotocol dat het voorkomen van lusjes in de topologie voorkomt. Deze lussen veroorzaken veranderingen om verkeer een oneindige hoeveelheid keren door te sturen. Dit zorgt ervoor dat het netwerk zijn hulpbronnen overstroomt en gebruikt, waardoor de efficiëntie van het netwerk wordt beperkt.

De STP interface-instellingen worden gebruikt om de efficiëntie van STP per poort te verbeteren. Gebruik de functie van de randpoort en snelle link verhoogt de snelheid van STP convergentie door een poort in te stellen op een staat die door zal sturen wanneer een apparaat is aangesloten. De Root Guard en Bridge Protocol Data Unit (BPDU) Guard worden gebruikt om de STP-topologie te controleren. Deze extra controle in de topologie voorkomt elk voorkomen van bridge loops.

Het doel van dit document is om u te tonen hoe u STP interface-instellingen op SG350XG en SG550XG moet configureren.

Opmerking: De stappen in dit document worden uitgevoerd onder de modus Geavanceerd weergegeven. Als u de modus Geavanceerd wilt wijzigen, gaat u naar de rechterbovenhoek en selecteert u **Geavanceerd** in de vervolgkeuzelijst *Weergavemodus*.

## Toepasselijke apparaten

- SG350XG router
- SG550XG router

## Softwareversie

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

## STP-interfaceinstellingen configureren

Stap 1. Meld u aan bij het programma voor webconfiguratie en kies **Spanning Tree > STP-interfaceinstellingen**. De pagina *STP-interface-instellingen* wordt geopend:

STP Interface Settings

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

Filter: Interface Type equals to Port of Unit 1

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	

Stap 2. In het *filter: Interface Type is gelijk aan* vervolgkeuzelijst, selecteer de gewenste poort van Eenheid of LAG. Klik vervolgens op **Ga**.

STP Interface Settings

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

Filter: Interface Type equals to **Port of Unit 1**

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	

Opmerking: U hebt meer opties (bijvoorbeeld **Port of Unit 2**) als er meer eenheden in de stapel staan.

Stap 3. De STP-tabel met interfaceinstellingen geeft informatie weer over alle interfaces die momenteel op de switch zijn ingesteld. Selecteer een radioknop en klik op **Bewerken...** om de instellingen te bewerken in het venster *STP-interfaceinstelling* dat nu wordt weergegeven.

# 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...

[Stap 4](#) . Selecteer in het veld *Interface* een radioknop. U kunt kiezen tussen *Eenheid* en *poort* of *LAG*. Als u *LAG* hebt gekozen, slaat u vervolgens over naar [Stap 7](#).

The image shows a network configuration window with the following settings:

- Interface:**  Unit 1  Port XG1  LAG 1
- 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

Stap 5. Selecteer in de vervolgkeuzelijst *Eenheid* de eenheid die u wilt configureren.

Interface:	<input checked="" type="radio"/> Unit <b>1</b> Port <b>XG1</b> <input type="radio"/> LAG <b>1</b>
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

Stap 6. In de vervolgkeuzelijst *Port*, selecteer de poort die u wilt configureren en sla deze vervolgens over naar [Stap 8](#).

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 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="200"/>	(Range: 1 - 200000000)
Priority:	<input type="text" value="128"/>		
<div style="border: 1px solid red; padding: 2px;"> <ul style="list-style-type: none"> <li>XG1</li> <li>XG2</li> <li>XG3</li> <li>XG4</li> <li>XG5</li> <li>XG6</li> <li>XG7</li> <li>XG8</li> <li>XG9</li> <li>XG10</li> <li>XG11</li> <li>XG12</li> <li>XG13</li> <li>XG14</li> <li>XG15</li> <li>XG16</li> <li>XG17</li> <li>XG18</li> <li>XG19</li> <li>XG20</li> </ul> </div>			
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		

**Stap 7.** Als u in [stap 4](#) op LAG hebt geselecteerd, selecteert u de gewenste LAG poort die u wilt configureren.

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	

[Stap 8](#). In het veld *STP*, controleert u het dialoogvenster **Inschakelen** als u STP op de poort wilt inschakelen. Dit wordt standaard gecontroleerd.

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

Stap 9. In het veld *Edge-poort* kunt u kiezen **voor** inschakelen, **auto** of **uitschakelen**. Als de modus Fast Link op een poort is ingeschakeld, wordt de poort automatisch ingesteld op Forwarding state wanneer de poortlink omhoog is. Fast Link is ook bekend als port-fast. STP werkt door 30-45 seconden te "luisteren". Als Fast Link is ingeschakeld, luistert deze slechts ongeveer 5 seconden voordat u overschakelt naar de staat van het doorsturen.



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

De opties zijn gedefinieerd als:

- Schakel Fast Link in.
- Auto - Schakelt Fast Link in een paar seconden nadat de interface actief is geworden. Dit staat STP toe om lussen op te lossen alvorens Snelle verbinding toe te laten.
- Uitschakelen - schakelt Fast Link uit.

Stap 10. De optie Root Guard biedt een manier om de wortelbridge plaatsing in het netwerk af te dwingen. Schakel het vakje **Enable** in als u Root Guard wilt inschakelen.

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

Stap 1. Bridge Protocol Data Units (BPDU's) worden via bruggen uitgewisseld om lijnen in een netwerktopologie te detecteren. De BPDU Guard stelt u in staat om de STP-domeingrenzen af te dwingen en de actieve topologie voorspelbaar te houden. De apparaten achter de poorten die BPDU Guard hebben ingeschakeld kunnen de STP-topologie niet beïnvloeden. Bij de ontvangst van BPDU's schakelt de BPDU-beveiligingsfunctie de poort die BPDU is geconfigureerd uit. In dit geval wordt een BPDU-bericht ontvangen en wordt er een juiste SNMP-val gegenereerd. Controleer het vakje **Enable** als u BPDU Guard wilt inschakelen.

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

Stap 12. In *het veld BPDUH-handleiding*, selecteert u hoe BPDU-pakketten worden beheerd wanneer STP op de poort of het apparaat is uitgeschakeld. BPDU's worden gebruikt om het overslaan van boom informatie te verzenden.

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

De beschikbare opties zijn:

- Gebruik Global Settings - selecteer de instellingen die in de [STP-status en algemene instellingen op de SG350XG en SG550XG](#)-pagina.
- Filtering - Filters BPDUs wanneer Spanning Tree op een interface is uitgeschakeld.
- Overstroming - Overstromingen BPDUs wanneer Spanning Tree op een interface wordt uitgeschakeld.

Stap 13. Selecteer in het veld *Padkosten* de optie **Standaard gebruiken** voor de **standaardkosten** die door het systeem gegenereerd zijn of de **door de gebruiker gedefinieerde poortbijdrage** aan de kosten van het basispad.

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

Stap 14. Stel in het veld *Prioriteit* de prioriteitswaarde van de haven in. De prioriteitswaarde beïnvloedt de poortkeuze wanneer een brug twee poorten in een lus heeft aangesloten. De prioriteit is een waarde van 0-240, in stappen van 16 vastgesteld. De laagste prioriteit is 0 en de hoogste prioriteit is 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:

De *havenstaat* toont de huidige STP staat van een haven.

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:	<input type="text" value="Disabled"/>	
Designated Bridge ID:	N/A	
Designated Port ID:	N/A	
Designated Cost:	N/A	
Forward Transitions:	N/A	
Speed:	10G	
LAG:	N/A	

De staten zijn gedefinieerd als:


- Uitgeschakeld - STP is momenteel uitgeschakeld in de poort. De haven voorwaarts verkeer terwijl het leren van de adressen van MAC.
- Blokkeren - De poort is op dit moment geblokkeerd en kan geen doorsturen verkeer (met uitzondering van BPDU-gegevens) of MAC-adressen leren.
- Luisteren - De poort bevindt zich in de luistermodus. De poort kan geen verkeer doorsturen en kan geen MAC-adressen leren.
- Leren - De haven ligt in de leermodus. De poort kan geen vooruit verkeer sturen, maar het kan nieuwe MAC adressen leren.
- Doorsturen - de poort is in verzendmodus. De poort kan door verkeer leiden en nieuwe MAC adressen leren.

De *aangewezen brug ID* toont de bridge prioriteit en het MAC-adres van de aangewezen brug.

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

De *aangewezen poort-ID* geeft de prioriteit en de interface van de geselecteerde poort weer.



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:	<b>N/A</b>
Designated Cost:	N/A
Forward Transitions:	N/A
<hr/>	
Speed:	10G
LAG:	N/A

De *Aangewezen Kosten* toont de kosten van de haven die aan de STP topologie deelneemt. Havens met lagere kosten zullen waarschijnlijk minder geblokkeerd worden als STP lusjes detecteert.

Interface:	<input checked="" type="radio"/> Unit <input type="text" value="1"/> <input type="text" value="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

In de *Forward Transitions* wordt het aantal keren weergegeven dat de poort is veranderd van de blokkerende staat in Forwarding state.

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:	<b>N/A</b>
<hr/>	
Speed:	10G
LAG:	N/A

*Snelheid* toont de snelheid van de poort.

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

Opmerking: Dit is niet beschikbaar als u in [Stap 4](#) voor *LAG* hebt gekozen.

Het *LAG* weergeeft het LAG waartoe de poort behoort. Als een poort lid is van een LAG, omzeilen de LAG instellingen de poortinstellingen.

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:	<input type="text" value="N/A"/>

Opmerking: Dit is niet beschikbaar als u in [Stap 4](#) voor LAG hebt gekozen.

Stap 15. Klik op **Toepassen**. De interface-instellingen worden naar het configuratiebestand uitgevoerd.

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"/>

Stap 16. Als u de instellingen van een poort snel wilt kopiëren naar een andere poort of groep poorten, selecteert u de radioknop van een poort in de *STP-interface-instellingen* en vervolgens klikt u op de knop **Instellingen van exemplaar...**

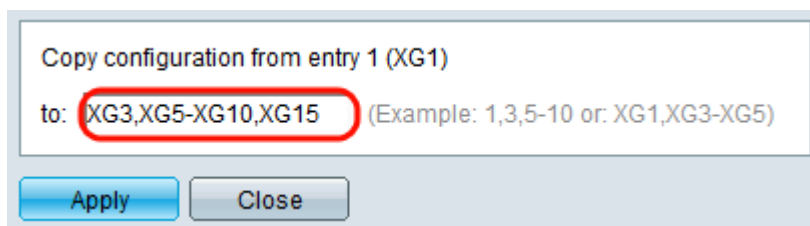
## STP Interface Settings

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

Stap 17. Voer in het venster *Instellingen* kopiëren de poort(s) in waar u naar wilt kopiëren in het tekstveld. U kunt meerdere poorten specificeren, gescheiden door komma's, of een reeks poorten.

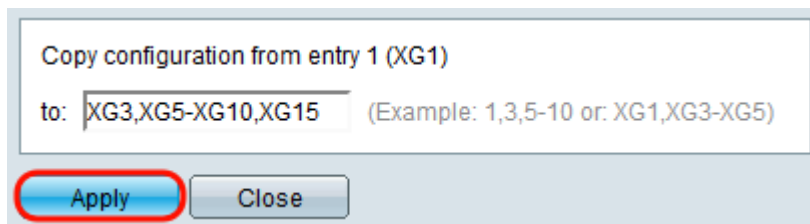


Copy configuration from entry 1 (XG1)

to: **XG3,XG5-XG10,XG15** (Example: 1,3,5-10 or: XG1,XG3-XG5)

Apply Close

Stap 18. Klik op **Toepassen**. De instellingen worden gekopieerd.



Copy configuration from entry 1 (XG1)

to: XG3,XG5-XG10,XG15 (Example: 1,3,5-10 or: XG1,XG3-XG5)

**Apply** Close