

S5500-48T8SP Switch Stacking Configuration Guide

Model: S5500-48T8SP

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1. Overview

Virtualization technology is a centralized management port expansion technology. The user can connect the switch with the virtualization function and connect them together using the virtualization port and the connecting cable to form a virtual device.

Virtualization has the following advantages:

- (1) The port density can be expanded through virtualization, because the number of ports of the virtualized device is obtained by adding the ports of all member devices in the virtual domain, and all the ports can be regarded as the ports of one device.
- (2) The user management operation. Through virtualization, users can treat a group of switches as a logical object and manage them through an IP, reducing the occupation of IP addresses and facilitating management.
- (3) The extended link capacity. Virtualization management is used to manage the configuration and operation status of virtualization functions. Users need to enable the virtualization function of the virtualization enable switch. After the virtualization configuration is complete, you need to restart the device for the virtualization function to take effect.

2. Configuration Case

2.1 Two Devices Stack Configuration Case

(1) Network topology



(2) Configuration is as follows

S5500-48T8SP_A configuration:

```
S5500-48T8SP_A>enable
S5500-48T8SP_A#config
S5500-48T8SP_A_config#bvss
S5500-48T8SP_A_config_bvss#bvss enable
S5500-48T8SP_A_config_bvss#bvss domain-id 1
S5500-48T8SP_A_config_bvss#bvss member-id 1
S5500-48T8SP_A_config_bvss#bvss priority 255
S5500-48T8SP_A_config_bvss#bvss mode normal
S5500-48T8SP_A_config_bvss#bvss interface 1 slot 1 port 1 group 1
S5500-48T8SP_A_config_bvss#bvss interface 2 slot 1 port 2 group 1
S5500-48T8SP_A_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_A_config_bvss#quit
S5500-48T8SP_A#write bvss-config
S5500-48T8SP_A#reboot
```

S5500-48T8SP_B configuration:

```
S5500-48T8SP_B>enable
S5500-48T8SP_B#config
S5500-48T8SP_B_config#bvss
S5500-48T8SP_B_config_bvss#bvss enable
S5500-48T8SP_B_config_bvss#bvss domain-id 1
S5500-48T8SP_B_config_bvss#bvss member-id 2
S5500-48T8SP_B_config_bvss#bvss priority 200
S5500-48T8SP_B_config_bvss#bvss mode normal
S5500-48T8SP_B_config_bvss#bvss interface 1 slot 1 port 1 group 2
S5500-48T8SP_B_config_bvss#bvss interface 2 slot 1 port 2 group 2
```

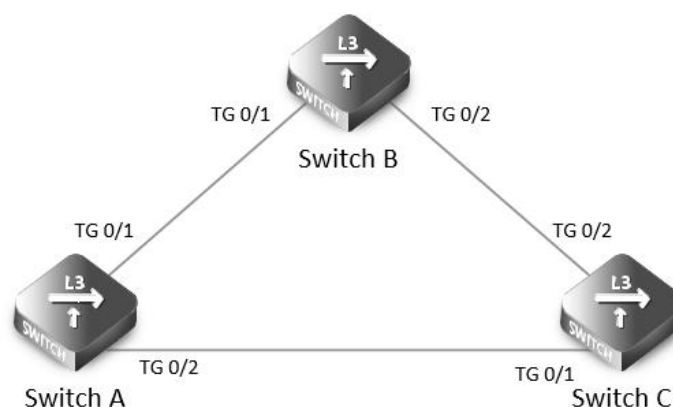
```
S5500-48T8SP_B_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_B_config_bvss#quit
S5500-48T8SP_B#write bvss-config
S5500-48T8SP_B#reboot
```

- (3) Use the following commands to check the virtualization configuration information, such as show running-config, show interface brief, show bvss current - config, show bvss management.

NOTE: Stacking requires 10G SFP+ port.

2.2 Three Devices Stack Configuration Case

- (1) Network topology



- (2) Configuration steps

Switch A configuration:

```
Switch A >enable
Switch A#config
Switch A_config#bvss
Switch A_config_bvss#bvss enable
Switch A_config_bvss#bvss domain-id 1
Switch A_config_bvss#bvss member-id 1
Switch A_config_bvss#bvss priority 255
Switch A_config_bvss#bvss mode enhanced
Switch A_config_bvss#bvss interface 1 slot 1 port 1 group 1
Switch A_config_bvss#bvss interface 2 slot 1 port 2 group 2
Switch A_config_bvss#bvss sgnp neighbour-timeout 10
Switch A_config_bvss#quit
Switch A#write bvss-config
Switch A#reboot
```

Switch B configuration:

```
Switch B>enable
Switch B#config
Switch B_config#bvss
Switch B_config_bvss#bvss enable
Switch B_config_bvss#bvss domain-id 1
Switch B_config_bvss#bvss member-id 2
Switch B_config_bvss#bvss priority 200
Switch B_config_bvss#bvss mode enhanced
Switch B_config_bvss#bvss interface 1 slot 1 port 1 group 2
Switch B_config_bvss#bvss interface 2 slot 1 port 2 group 1
Switch B_config_bvss#bvss sgnp neighbour-timeout 10
Switch B_config_bvss#quit
Switch B#write bvss-config
Switch B#reboot
```

Switch C configuration:

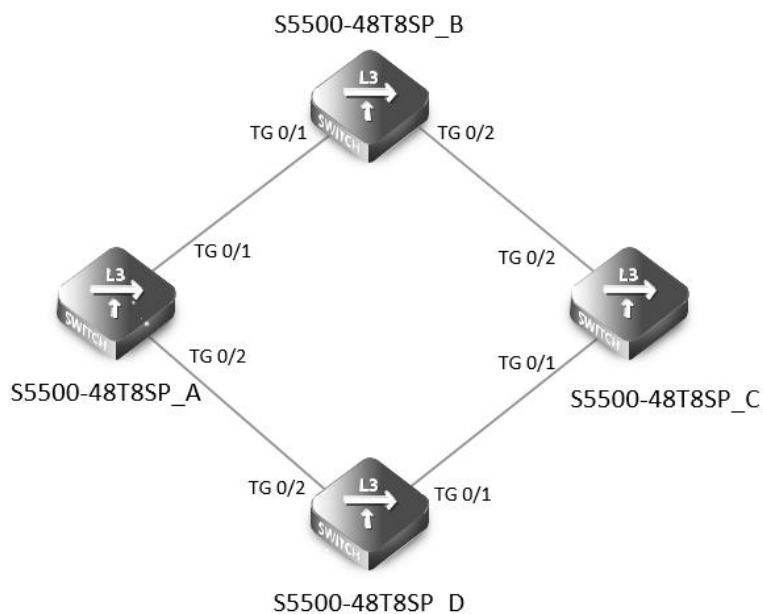
```
Switch C>enable
Switch C#config
Switch C_config#bvss
Switch C_config_bvss#bvss enable
Switch C_config_bvss#bvss domain-id 1
Switch C_config_bvss#bvss member-id 3
Switch C_config_bvss#bvss priority 100
Switch C_config_bvss#bvss mode enhanced
Switch C_config_bvss#bvss interface 1 slot 1 port 1 group 1
Switch C_config_bvss#bvss interface 2 slot 1 port 2 group 2
Switch C_config_bvss#bvss sgnp neighbour-timeout 10
Switch C_config_bvss#quit
Switch C#write bvss-config
Switch C#reboot
```

- (3) Use the following commands to check the virtualization configuration information, such as show running-config, show interface brief, show bvss current - config, show bvss management.

Note: Stacking requires 10G SFP+ port.

2.3 Four Devices Stack Configuration Case

- (1) Network topology



(2) Configuration is as follows

S5500-48T8SP_A configuration:

```

S5500-48T8SP_A>enable
S5500-48T8SP_A#config
S5500-48T8SP_A_config#bvss
S5500-48T8SP_A_config_bvss#bvss enable
S5500-48T8SP_A_config_bvss#bvss domain-id 1
S5500-48T8SP_A_config_bvss#bvss member-id 1
S5500-48T8SP_A_config_bvss#bvss priority 255
S5500-48T8SP_A_config_bvss#bvss mode enhanced
S5500-48T8SP_A_config_bvss#bvss interface 1 slot 1 port 1 group 1
S5500-48T8SP_A_config_bvss#bvss interface 2 slot 1 port 2 group 2
S5500-48T8SP_A_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_A_config_bvss#quit
S5500-48T8SP_A#write bvss-config
S5500-48T8SP_A#reboot
  
```

S5500-48T8SP_B configuration:

```

S5500-48T8SP_B>enable
S5500-48T8SP_B#config
S5500-48T8SP_B_config#bvss
S5500-48T8SP_B_config_bvss#bvss enable
S5500-48T8SP_B_config_bvss#bvss domain-id 1
S5500-48T8SP_B_config_bvss#bvss member-id 2
S5500-48T8SP_B_config_bvss#bvss priority 200
S5500-48T8SP_B_config_bvss#bvss mode enhanced
S5500-48T8SP_B_config_bvss#bvss interface 1 slot 1 port 1 group 2
  
```

```
S5500-48T8SP_B_config_bvss#bvss interface 2 slot 1 port 2 group 1
S5500-48T8SP_B_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_B_config_bvss#quit
S5500-48T8SP_B#write bvss-config
S5500-48T8SP_B#reboot
```

S5500-48T8SP_C configuration:

```
S5500-48T8SP_C>enable
S5500-48T8SP_C#config
S5500-48T8SP_C_config#bvss
S5500-48T8SP_C_config_bvss#bvss enable
S5500-48T8SP_C_config_bvss#bvss domain-id 1
S5500-48T8SP_C_config_bvss#bvss member-id 3
S5500-48T8SP_C_config_bvss#bvss priority 100
S5500-48T8SP_C_config_bvss#bvss mode enhanced
S5500-48T8SP_C_config_bvss#bvss interface 1 slot 1 port 1 group 1
S5500-48T8SP_C_config_bvss#bvss interface 2 slot 1 port 2 group 2
S5500-48T8SP_C_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_C_config_bvss#quit
S5500-48T8SP_C#write bvss-config
S5500-48T8SP_C#reboot
```

S5500-48T8SP_D configuration:

```
S5500-48T8SP_D_config_bvss#bvss enable
S5500-48T8SP_D_config_bvss#bvss domain-id 1
S5500-48T8SP_D_config_bvss#bvss member-id 4
S5500-48T8SP_D_config_bvss#bvss priority 50
S5500-48T8SP_D_config_bvss#bvss mode enhanced
S5500-48T8SP_D_config_bvss#bvss interface 1 slot 1 port 1 group 2
S5500-48T8SP_D_config_bvss#bvss interface 2 slot 1 port 2 group 1
S5500-48T8SP_D_config_bvss#bvss sgnp neighbour-timeout 10
S5500-48T8SP_D_config_bvss#quit
S5500-48T8SP_D#write bvss-config
S5500-48T8SP_D#reboot
```

- (3) Use the following commands to check the virtualization configuration information, such as show running-config, show interface brief, show bvss current - config, show bvss management.

NOTE: Stacking requires 10G SFP+ port.



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