Configure Dynamic Host Configuration Protocol (DHCP) Trusted Interface Settings on a Switch

Objective

Dynamic Host Configuration Protocol (DHCP) snooping provides a security mechanism to prevent receiving false DHCP response packets and to log DHCP addresses. It does this by treating ports on the device as either trusted or untrusted.

A trusted port is a port that is connected to a DHCP server and is allowed to assign DHCP addresses. DHCP messages received on trusted ports are allowed to pass through the device. Packets from these ports are automatically forwarded. If DHCP Snooping is not enabled, all ports are trusted by default.

An untrusted port is a port that is not allowed to assign DHCP addresses. By default, all ports are considered untrusted until you declare them trusted in the Interface Settings page.

This article aims to show you how to configure DHCP Trusted Interface Settings on your switch.

Applicable Devices

- Sx300 Series
- SG350X Series
- Sx500 Series
- SG500X

Software Version

- 1.4.7.06 Sx300, Sx500, SG500X
- 2.2.8.04 SG350X

Configure DHCP Trusted Interface Settings

Note: The appearance of your switch web-based utility may vary depending on the exact model of your device. The images below are taken from the SG350X-48MP.

Step 1. Access your switch web-based utility and choose **IP Configuration > IPv4 Management and Interfaces**.



Step 2. Choose DHCP Snooping/Relay > DHCP Snooping Trusted Interfaces.

▼ DHCP Snooping/Relay		
Properties		
Interface Settings		
DHCP Snooping Trusted Interfaces		
DHCP Snooping Binding Database		

Step 3. Under the Trusted Interfaces Table, click on the port or interface that you want to configure then click **Edit**.

<u> </u>	0 GE40		No
4	1 GE41		No
0 4	2 GE42		No
0 4	3 GE43		No
0 4	4 GE44		No
• 4	5 GE45		No
0 4	6 GE46		No
• 4	7 GE47		No
0 4	8 GE48		No
• 4	9 XG1		No
0 5	0 XG2		No
• 5	1 XG3		No
0 5	2 XG4		No
Copy Setti	ngs	Edit	

Note: In this example, Port GE41 is chosen.

Step 4. In the Edit Interface Settings window, verify that the chosen port in the Interface area is the one you have chosen in the previous step. Otherwise, click on the drop-down arrow and choose the right port.



Step 5. In the Trusted Interface area, click on a radio button to set the specific port to trusted or not trusted, and then click **Apply**.

Interface: Trusted Interfa	● Unit 1 ▼ Port GE41 ▼ ○ LAG 1 ▼ ace: ● Yes No
Apply	Close

Note: In this example, Yes is chosen indicating that the port is configured to be a trusted port.

Step 6. Once the Success message appears, click Close.

Success. To permanently save the configuration, go to the File Operations page or click the Save icon.			
Interface: Unit 1 Port GE41 LAG 1 Trusted Interface: Yes No			
Apply Close			

Step 7. Verify in the Trusted Interfaces Table if the newly-configured settings on the chosen port are now applied.

0 40	GE40	No
0 41	GE41	Yes
0 42	GE42	No
O 43	GE43	No
O 44	GE44	No
O 45	GE45	No
O 46	GE46	No
• 47	GE47	No
O 48	GE48	No
O 49	XG1	No
0 50	XG2	No
0 51	XG3	No
O 52	XG4	No
Copy Setting	s Edit	

Step 8. (Optional) To permanently save the configuration, click on the blinking save icon at the top portion of the page.

You should now have successfully configured the Trusted Interface Settings on your switch.