

# Port and VLAN Mirroring on the 200/300 Series Managed Switches

## Objective

Port and VLAN Mirroring is a feature that allows you to monitor traffic in a given port or VLAN. The switch creates a copy of the traffic activity on a given port or VLAN and sends this copy to the port that is connected to the analyzer network/device. You can apply this feature to monitor the traffic activity on a given port and check for intruders that want to break into your network, which provides security to your network and its resources.

This article explains how to configure port and VLAN mirroring on the 200/300 Series Managed Switches.

## Applicable Devices

- SF/SG 200 and SF/SG 300 Series Managed Switches

## Software Version

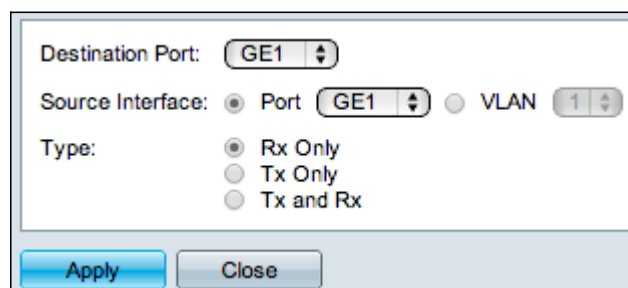
- 1.3.0.62

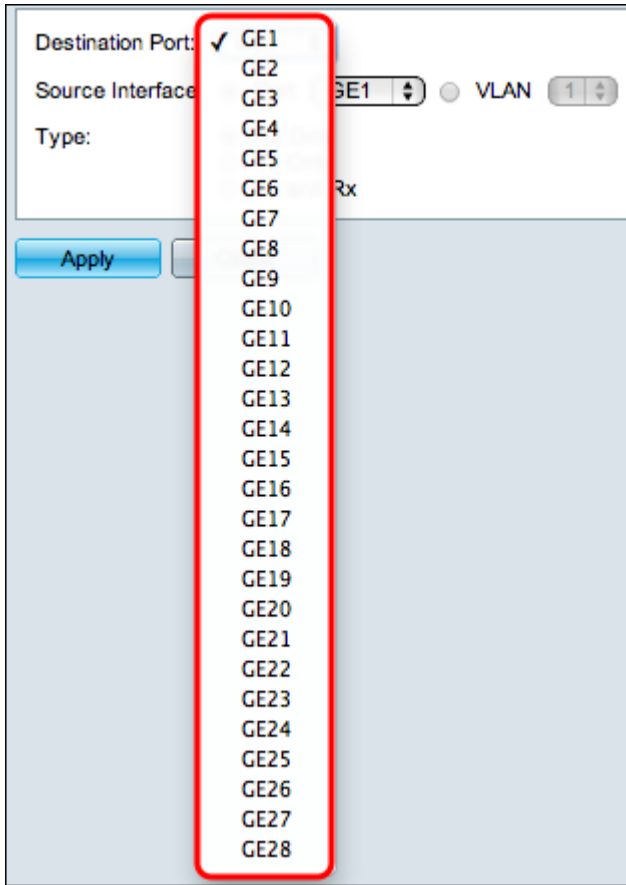
## Set-Up Port/VLAN Mirroring

Step 1. Log in to the web configuration utility and choose **Administration > Diagnostics > Port and VLAN Mirroring**. The *Port and VLAN Mirroring* page opens:

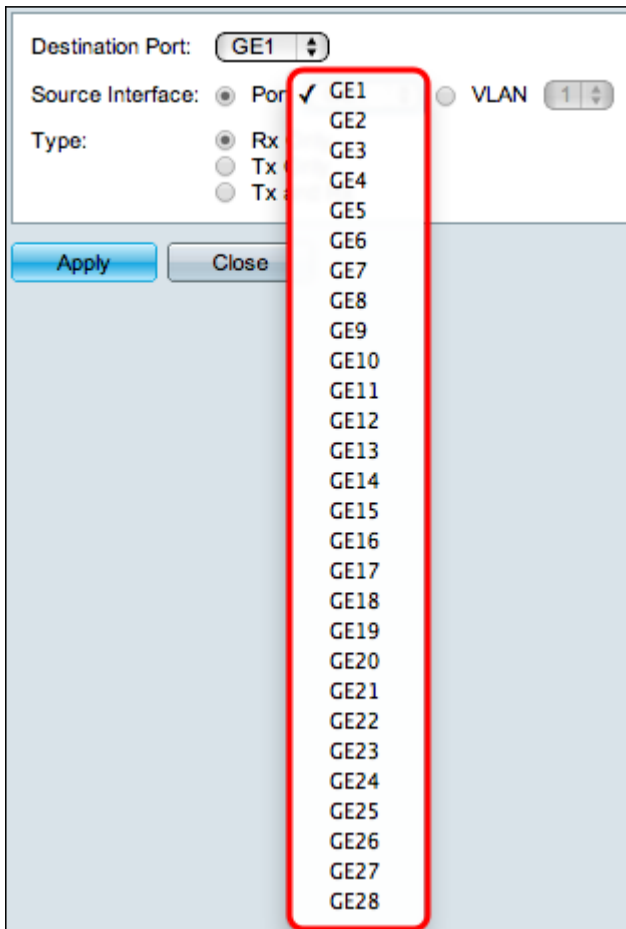
 Destination Port equals to GE1 Go'. Below the filter is a table header with columns: 'Destination Port', 'Source Interface', 'Type', and 'Status'. Below the header, it says '0 results found.' At the bottom of the table section are three buttons: 'Add...', 'Edit...', and 'Delete'. The 'Add...' button is circled in red." data-bbox="105 573 585 739"/>

Step 2. Click **Add**. The *Add Port and VLAN Mirroring* window appears.





Step 3. From the Destination Port drop-down list, choose the port that is to be the analyzer port. This port which is directly connected to the network analyzes the network traffic.



Step 4. In the Source Interface field, there are two ways to monitor traffic. Click the

appropriate radio button. The available options to monitor traffic are:

Destination Port: GE5

Source Interface:  Port GE1  VLAN 1

Type:  Rx Only  Tx Only  Tx and Rx

Apply Close

- Port — Choose from the Port drop-down list the port from which traffic is sent to the analyzer port.
- VLAN — Choose from the VLAN drop-down list the VLAN from which traffic is sent to the analyzer port.

Destination Port: GE5

Source Interface:  Port GE1  VLAN 1

Type:  Rx Only  Tx Only  Tx and Rx

Apply Close

Step 5. If you chose Port as the source interface in Step 4, then the Type field is available. In the Type field, click the radio button of the type of packet you want the analyzer port to analyze. The available options are:

- Rx Only — To send only the incoming traffic of the source port to the analyzer port.
- Tx Only — To send only the outgoing traffic from the source port to the analyzer port.
- Tx and Rx — To send both incoming and outgoing traffic of the source port to the analyzer port.

Destination Port: GE5

Source Interface:  Port GE1  VLAN 1

Type:  Rx Only  Tx Only  Tx and Rx

Apply Close

Step 6. Click **Apply** to save your configuration.

Port and VLAN Mirroring Table

Filter:  Destination Port equals to GE1 Go

<input checked="" type="checkbox"/>	Destination Port	Source Interface	Type	Status
<input checked="" type="checkbox"/>	GE5	GE1	Tx and Rx	Not Re

Add... Edit... Delete

Step 7. (Optional) Check the check box of the Mirroring table entry you wish to edit and click **Edit**. The *Edit* window appears.

Destination Port: GE5  
Source Interface: GE1  
Type:  Rx Only  
 Tx Only  
 Tx and Rx

Step 8. Choose any of the settings that you want to change from previous selected settings.

**Port and VLAN Mirroring Table**

Filter:  Destination Port equals to GE1 Go

<input checked="" type="checkbox"/>	Destination Port	Source Interface	Type	Status
<input checked="" type="checkbox"/>	GE5	GE1	Tx and Rx	Not Re

Step 9. (Optional) Check the check box of the Mirroring table entry that you wish to delete and click **delete**.