Bind Access Control List (ACL) to an Interface on 200/300 Series Managed Switches

Objective

An Access Control List (ACL) is a list of network traffic filters and correlated actions used to improve security. ACLs can be defined in one of three ways: by MAC address, by IPv4 address, or by IPv6 address. When an ACL is bound to an interface, packets that arrive at that interface are matched against the ACL and either permitted or dropped. However, only one ACL can be bound per interface.

This document explains how to bind ACLs to an interface on the 200 and 300 Series Managed Switches.

Applicable Devices

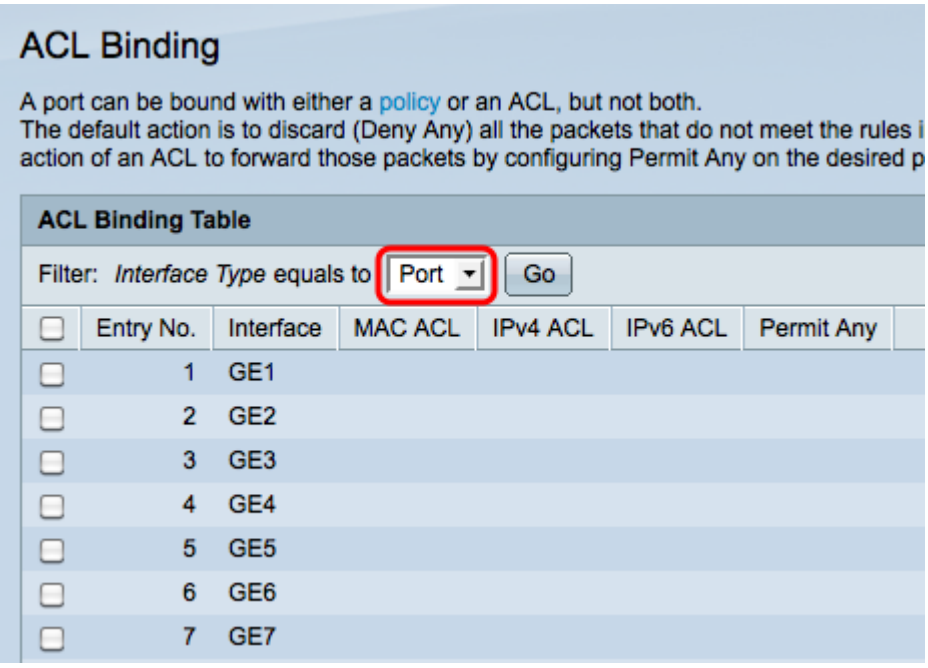
- SF/SG 200 and SF/SG300 Series Managed Switches

Software Version

- 1.3.0.62

Bind Access Control List to an Interface

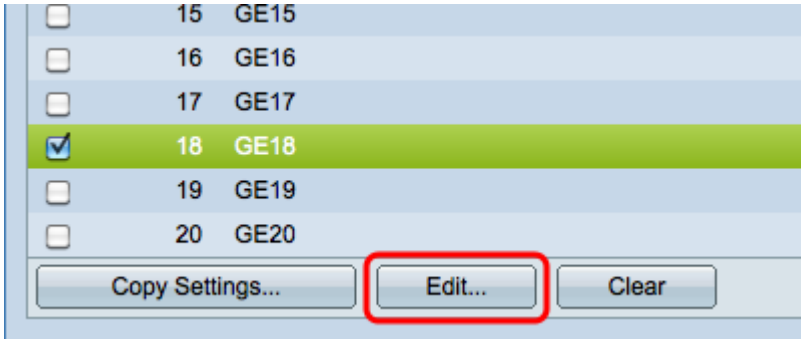
Step 1. Log in to the web configuration utility and choose **Access Control > ACL Binding**. The *ACL Binding* page opens:



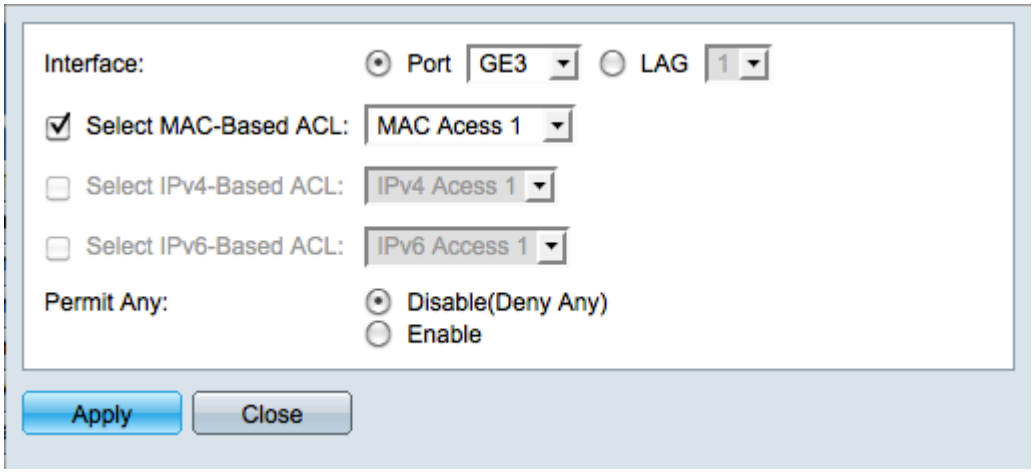
Step 2. Chose an interface from the Interface Type drop-down list and then click **Go**.

- Port — A single physical port on the switch.
- LAG — A group of ports used to increase link reliability.

Step 3. Check the check box of the desired port/LAG and click Edit.



The *Edit ACL Binding* window appears.



Step 4. Check the check box of the ACL type you would like to bind to the chosen interface and choose the ACL from the drop-down list.

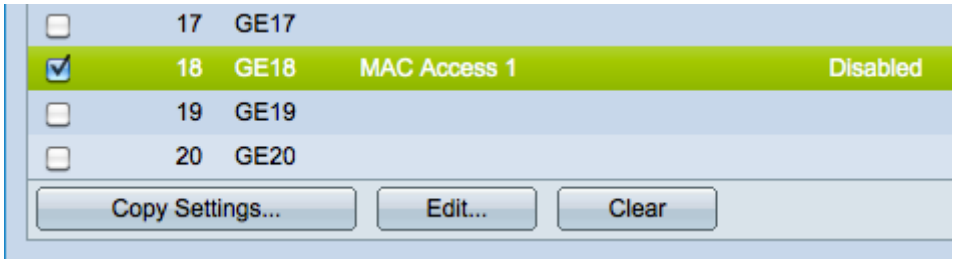
- MAC-Based ACL — Filters traffic based on the Layer 2 fields of the frame header.
- IPv4-Based ACL — Filters traffic based on IPv4 packets.
- IPv6-Based ACL — Filters traffic based on IPv6 packets.

Note: The check box for any of the ACL options will only be highlighted if there is an available ACL in that format.

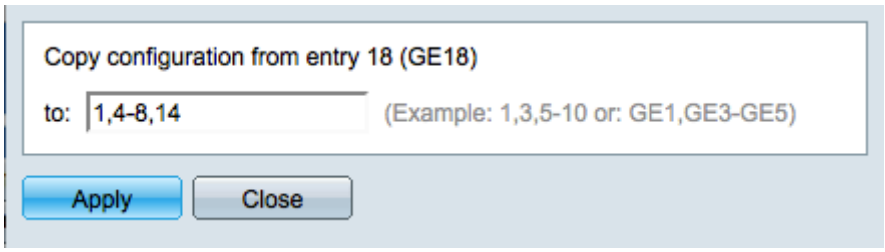
Step 5. Check the appropriate radio button in the Permit Any field to define what to do with packets that do not match the chosen ACL.

- Disable (Deny Any) — Packets are dropped (denied) if they do not match an ACL.
- Enable — Packets are forwarded even if they do not match an ACL.

Step 6. Click **Apply** to bind the chosen ACL to the interface. The *Edit ACL Binding* window closes.
Step 7. (Optional) Check the check box of the desired interface and click Clear to unbind the interface from the ACL.



Step 8. (Optional) Check the check box of the desired interface and click **Copy Settings** to copy the settings of the interface to other interfaces. The *Copy Settings* window appears:



Step 9. Enter the port number(s) or port name(s) of the port(s) to which you would like to to copy the settings of the chosen port.

Step 10. Click **Apply** to apply the settings or click **Close** to cancel the settings.