

GGM GS200 Range

How to create MAC address-based Vlan

What is a Vlan :

A virtual local area network, called VLAN (Virtual LAN), is an independent logical computer network. Managed switches allow you to configure several VLANs on the same switch in order to effectively separate the different cohabiting flows on modern IP networks.

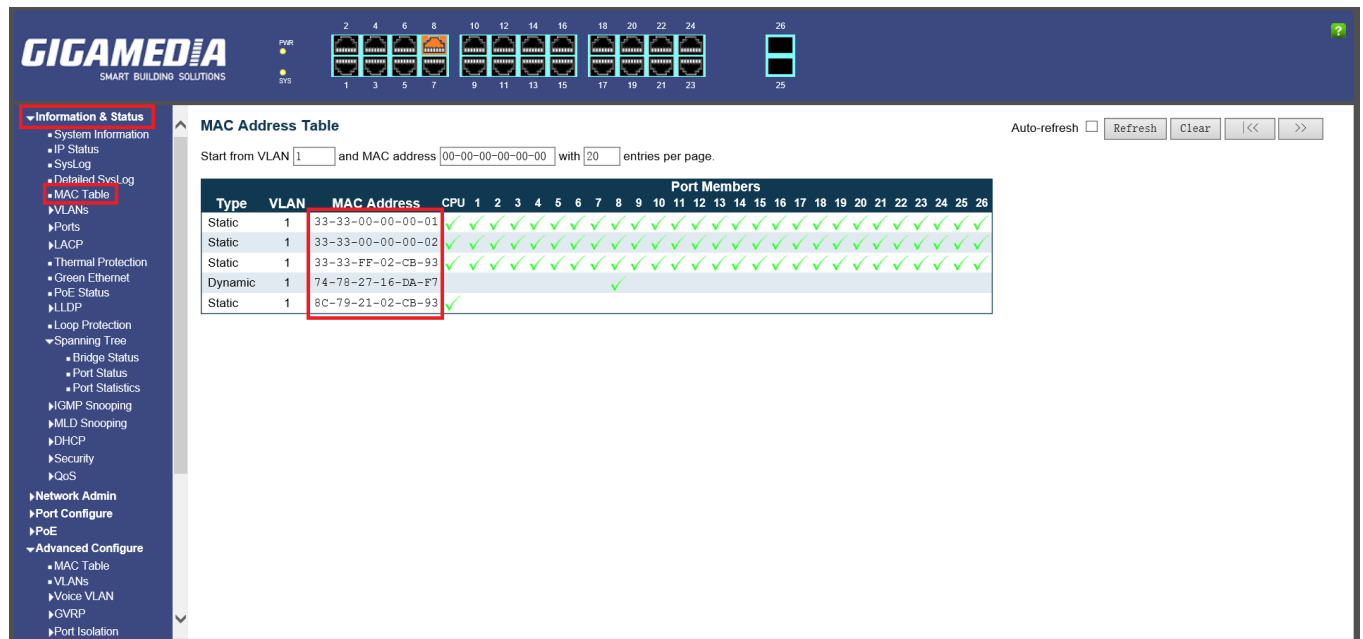


Interests of VLAN :

The use of VLANs will bring you many advantages, such as: improving the management of your network, optimizing the use of available bandwidth, effective separation of IP flows, better security of access, etc...

MAC address-based Vlan :

First of all you have to check which MAC addresses are already active on your switch.

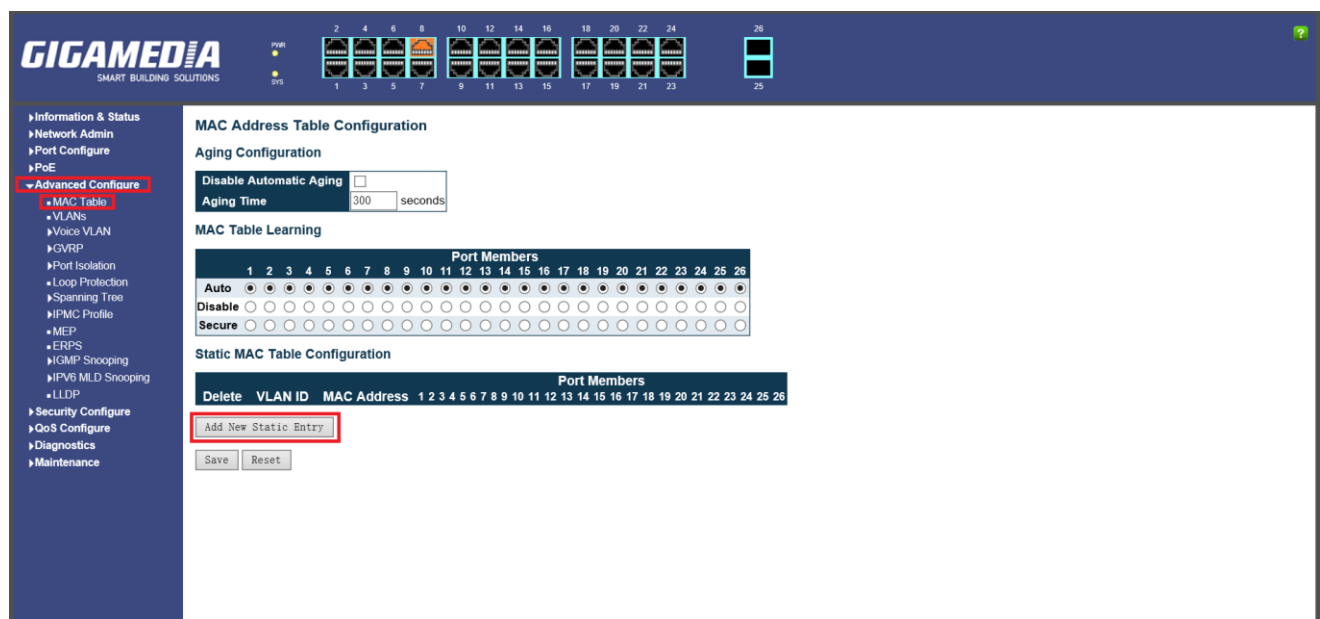


MAC Address Table

Start from VLAN and MAC address with entries per page.

Type	VLAN	MAC Address	CPU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Static	1	33-33-00-00-00-01		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Static	1	33-33-00-00-00-02		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Static	1	33-33-FF-02-CB-93		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Dynamic	1	74-78-27-16-DA-E7																											
Static	1	8C-79-21-02-CB-93	✓																										

To create a Vlan per MAC address, go to the advanced settings -> MAC Table then press "ADD New Static Entry" button.



MAC Address Table Configuration

Aging Configuration

Disable Automatic Aging ☐

Aging Time seconds

MAC Table Learning

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Auto	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Disable	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Secure	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Static MAC Table Configuration

Delete	VLAN ID	MAC Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Add New Static Entry

Save Reset

You will be able to configure your vlan by adding the MAC addresses and choosing the vlan ID (be careful not to put an address already used. Example: you cannot use the MAC address 33-33-00-00-00- 01 on vlan ID 1 but it can be used on another Vlan ID).

Select the ports linked to the vlan then press the **save** button.

MAC address base Vlan will appear in Information & Status in this table