

Monitoring Dynamic MAC Addresses on Cisco Managed Switches

Objectives

A Media Access Control address (MAC address) is a unique identifier assigned to network interfaces for communications on the physical network segment. Generally the the MAC address is assigned automatically.

This document shows how you can monitor the MAC Addresses which are learned by the VLAN / Interface.

Applicable Devices

All Cisco Business Manageable Switches.

Monitoring Dynamic MAC Addresses

1. Navigate to **MAC Address Tables > Dynamic Addresses** using the Switch GUI Management Tool.
2. You can find and filter the list of MAC Addresses which are currently learned by a specific Interface or VLAN on the switch.
3. Search filtering is based off **VLAN**, **MAC Address**, or **Interface** or any combination of the three.

The screenshot shows the 'Dynamic Addresses' configuration page. It includes a 'Dynamic Address Table' section with three filter options: 'VLAN ID equals to' (with a text input field and '(Range: 1 - 4094)' label), 'MAC Address equals to' (with a text input field), and 'Interface equals to' (with radio buttons for 'Port' and 'LAG', and dropdown menus for 'e1' and '1'). There are 'Go' and 'Clear Filter' buttons. Below the filters is a 'Dynamic Address Table Sort Key' dropdown set to 'VLAN ID' with a 'Go' button. The table below has three columns: 'VLAN ID', 'MAC Address', and 'Interface'. It contains one row: 'VLAN 1', '54:42:49:e7:4e:8d', and 'e1'. A 'Clear Table' button is at the bottom left.

VLAN ID	MAC Address	Interface
VLAN 1	54:42:49:e7:4e:8d	e1

4. Click **Clear Table** to clear the Dynamic MAC Address Table on the switch.