


# 1. Static & Dynamic MAC Address test:

Testcase	To check the Static & dynamic MAC address test
Procedure	<ol style="list-style-type: none"> <li>1. Login to switch using console</li> <li>2. Connect the setup as shown in figure below.</li> <li>3. Configure the switch using below commands.</li> </ol> <p style="text-align: center;">                     VLAN -1                      IP Address of Switch - 192.168.168.1/24                 </p> <div style="text-align: center;">  </div>
Configuration	<p><b>Switch configuration:</b></p> <pre>[Switch]mac-address-table dynamic 76:45:09:23:16:78 interface ethernet 0/0/2 vlan 1 //to assign dynamic mac address to a port manually  [Switch]display mac-address-table //to check all MAC addresses  [Switch]display mac-address-table dynamic interface ethernet 0/0/2 vlan 1 //to check dynamic MAC addresses on port.  [Switch]mac-address-table static 04:23:65:14:08:32 interface ethernet 0/0/2 vlan 1 //to assign static mac address to a port manually  [Switch]display mac-address-table //to check all MAC addresses  [Switch]display mac-address-table dynamic interface ethernet 0/0/2 vlan 1 //to check static MAC addresses on port.</pre>
Test result	<ul style="list-style-type: none"> <li>• <b>Static &amp; Dynamic MAC Address</b></li> </ul>

# TEST REPORT

```
[Switch]mac-address-table dynamic 76:45:09:23:16:78 interface ethernet 0/0/2
vlan 1
Add ARL table entry successfully.
```

```
[Switch]
[Switch]display mac-address-table
=====Mac Address Table=====
[No.]   [MAC]           [VID]   [PortNo.] [Type]
1       00:0e:09:87:fe:a9 1       0/0/2     Dynamic
2       76:45:09:23:16:78 1       0/0/2     Dynamic
3       8c:1f:64:20:e1:12 1       cpu       Static
Total entries: 3 .
```

```
[Switch]mac-address-table static 04:23:65:14:08:32 interface ethernet 0/0/2
vlan 1
Add ARL table entry successfully.
```

```
[Switch]display mac-address-table
=====Mac Address Table=====
[No.]   [MAC]           [VID]   [PortNo.] [Type]
1       00:0e:09:87:fe:a9 1       0/0/2     Dynamic
2       04:23:65:14:08:32 1       0/0/2     Static
3       76:45:09:23:16:78 1       0/0/2     Dynamic
4       8c:1f:64:20:e1:12 1       cpu       Static
Total entries: 4 .
```

```
[Switch]display mac-address-table static interface ethernet 0/0/2
=====Mac Address Table=====
[No.]   MAC Address      VLAN ID  port      status
1       04:23:65:14:08:32 1        0/0/2     Static
Total entries: 1 .
```

```
[Switch]display mac-address-table static interface ethernet 0/0/2 vlan 1
=====Mac Address Table=====
[No.]   MAC Address      VLAN ID  port      status
1       04:23:65:14:08:32 1        0/0/2     Static
Total entries: 1 .
```

```
[Switch]display mac-address-table dynamic interface ethernet 0/0/2 vlan 1
=====Mac Address Table=====
[No.]   MAC Address      VLAN ID  port      status
1       00:0e:09:87:fe:a9 1        0/0/2     Dynamic
2       76:45:09:23:16:78 1        0/0/2     Dynamic
Total entries: 2 .
```

Remarks Working