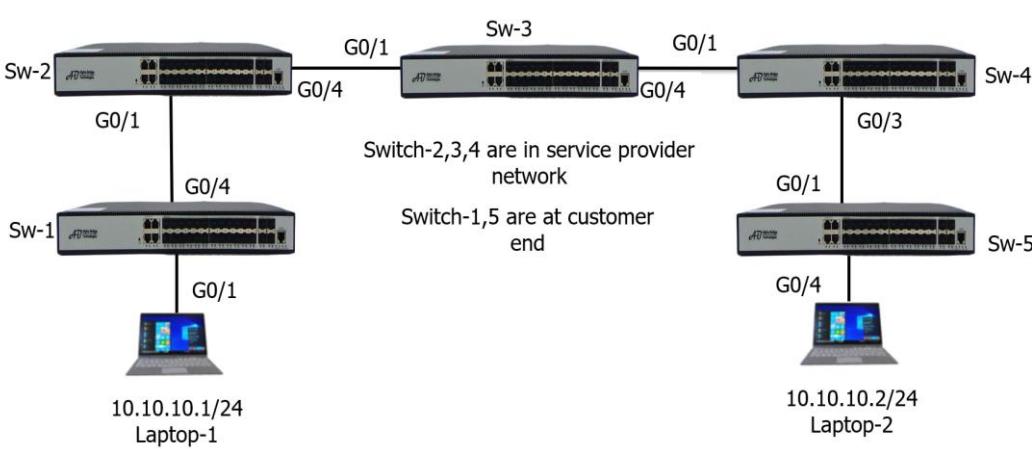


# TEST REPORT



# 1. Q-in-Q

Test Case	Q-in-Q (IEEE 802.1Q Tunneling)
Test Procedure	<p>1. Access the Switch command line.      2. Connect the setup as show below.      3. Configure all the switches using below commands.</p> <ul style="list-style-type: none"> <li>Customer tag = vlan 10</li> <li>Service tag = vlan 20</li> </ul> 
Configuration	<p><b>Configuration:</b></p> <p><b>Switch-1:</b></p> <pre>[Switch_1] display current-config enable system-view !!!VLAN vlan 10 quit interface ethernet 0/0/1 port mode access port default vlan 10 quit interface ethernet 0/0/4 port mode trunk port trunk allowed vlan 10 quit !!!OAM sysname Switch_1 http enable !!!IF interface vlan-interface 10 ip address 10.10.10.10 255.255.255.0 quit</pre>

**Switch-2:**

```
[Switch_2] display current-config
enable
system-view
!!!VLAN
vlan 10,20
quit
interface ethernet 0/0/1
port mode access
port default vlan 20
qinq
quit
interface ethernet 0/0/4
port mode trunk
port trunk allowed vlan 20
quit
!!!OAM
sysname Switch_2
http enable
!!!IF
interface vlan-interface 20
ip address 20.20.20.1 255.255.255.0
quit
!!!SYSLOG
debug vlan
```

**Switch-3:**

```
<Switch_3>display current-config
enable
system-view
!!!VLAN
vlan 10,20
quit
interface ethernet 0/0/1
port mode trunk
port trunk allowed vlan 20
quit
interface ethernet 0/0/4
port mode trunk
port trunk allowed vlan 20
quit
!!!OAM
sysname Switch_3
http enable
!!!IF
interface vlan-interface 20
ip address 20.20.20.2 255.255.255.0
quit
```

<b>Switch-4:</b> <pre>&lt;Switch_4&gt; &lt;Switch_4&gt;display current-config enable system-view !!!VLAN vlan 20 quit interface ethernet 0/0/1 port mode trunk port trunk allowed vlan 20 quit interface ethernet 0/0/3 port mode access port default vlan 20 qinq quit !!!OAM sysname Switch_4 http enable !!!IF interface vlan-interface 20 ip address 20.20.20.3 255.255.255.0 quit</pre> <b>Switch-5:</b> <pre>[Switch_5]display current-config enable system-view !!!VLAN vlan 10 quit interface ethernet 0/0/1 port mode trunk port trunk allowed vlan 10 quit interface ethernet 0/0/4 port mode access port default vlan 10 quit !!!OAM sysname Switch_5 http enable !!!IF interface vlan-interface 10 ip address 10.10.10.20 255.255.255.0 quit</pre>	
Test result	

**Switch-1:**

```
[Switch_1]display mac-address-table
=====
[No.] [MAC] [VID] [PortNo.][Type]
1   c8:6b:bc:a0:48:13 1   0/0/4   Dynamic
2   88:88:88:88:87:88 10  0/0/4   Dynamic
3   c8:4b:d6:14:76:ba 10  0/0/1   Dynamic
4   c8:6b:bc:a0:11:15 10  cpu     Static
Total entries: 4 .
```

**Switch-2:**

```
[Switch_2]
[Switch_2]display mac-address-table
=====
[No.] [MAC] [VID] [PortNo.][Type]
1   88:88:88:88:87:88 20  0/0/4   Dynamic
2   c8:4b:d6:14:76:ba 20  0/0/1   Dynamic
3   c8:6b:bc:a0:11:15 20  0/0/1   Dynamic
4   c8:6b:bc:a0:11:16 20  cpu     Static
5   c8:6b:bc:a0:48:13 20  0/0/4   Dynamic
Total entries: 5 .
```

**Switch-3:**

```
<Switch_3>
<Switch_3>display mac-address-table
=====
[No.] [MAC] [VID] [PortNo.][Type]
1   88:88:88:88:87:88 20  0/0/4   Dynamic
2   c8:4b:d6:14:76:ba 20  0/0/1   Dynamic
3   c8:6b:bc:a0:11:15 20  0/0/1   Dynamic
4   c8:6b:bc:a0:11:18 20  cpu     Static
5   c8:6b:bc:a0:48:13 20  0/0/4   Dynamic
Total entries: 5 .
```

**Switch-4:**

	<pre>&lt;Switch_4&gt; &lt;Switch_4&gt;display mac-address-table ===== [No.] [MAC] [VID] [PortNo.][Type] 1     88:88:88:88:87:88    20      0/0/3    Dynamic 2     c8:4b:d6:14:76:ba    20      0/0/1    Dynamic 3     c8:6b:bc:a0:11:0b    20      cpu      Static 4     c8:6b:bc:a0:11:15    20      0/0/1    Dynamic 5     c8:6b:bc:a0:48:13    20      0/0/3    Dynamic Total entries: 5 .</pre>
	<p><b>Switch-5:</b></p> <pre>[Switch_5] [Switch_5]display mac-address-table ===== [No.] [MAC] [VID] [PortNo.][Type] 1     c8:6b:bc:a0:48:13    1       0/0/4    Dynamic 2     88:88:88:88:87:88    10      0/0/4    Dynamic 3     c8:4b:d6:14:76:ba    10      0/0/1    Dynamic Total entries: 3 .</pre>
	<p>From PC-1 at switch 1 we can able to ping the PC-2 connected at switch-5.</p> <pre>[Switch_1]ping 10.10.10.2  PING 10.10.10.2 (10.10.10.2) 56(84) bytes of data. 64 bytes from 10.10.10.2: icmp_seq=1 ttl=128 time=3.90 ms 64 bytes from 10.10.10.2: icmp_seq=2 ttl=128 time=0.000 ms 64 bytes from 10.10.10.2: icmp_seq=3 ttl=128 time=0.000 ms 64 bytes from 10.10.10.2: icmp_seq=4 ttl=128 time=0.000 ms 64 bytes from 10.10.10.2: icmp_seq=5 ttl=128 time=0.000 ms  --- 10.10.10.2 ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4003ms rtt min/avg/max/mdev = 0.000/0.781/3.906/1.562 ms</pre>
Remarks	Working