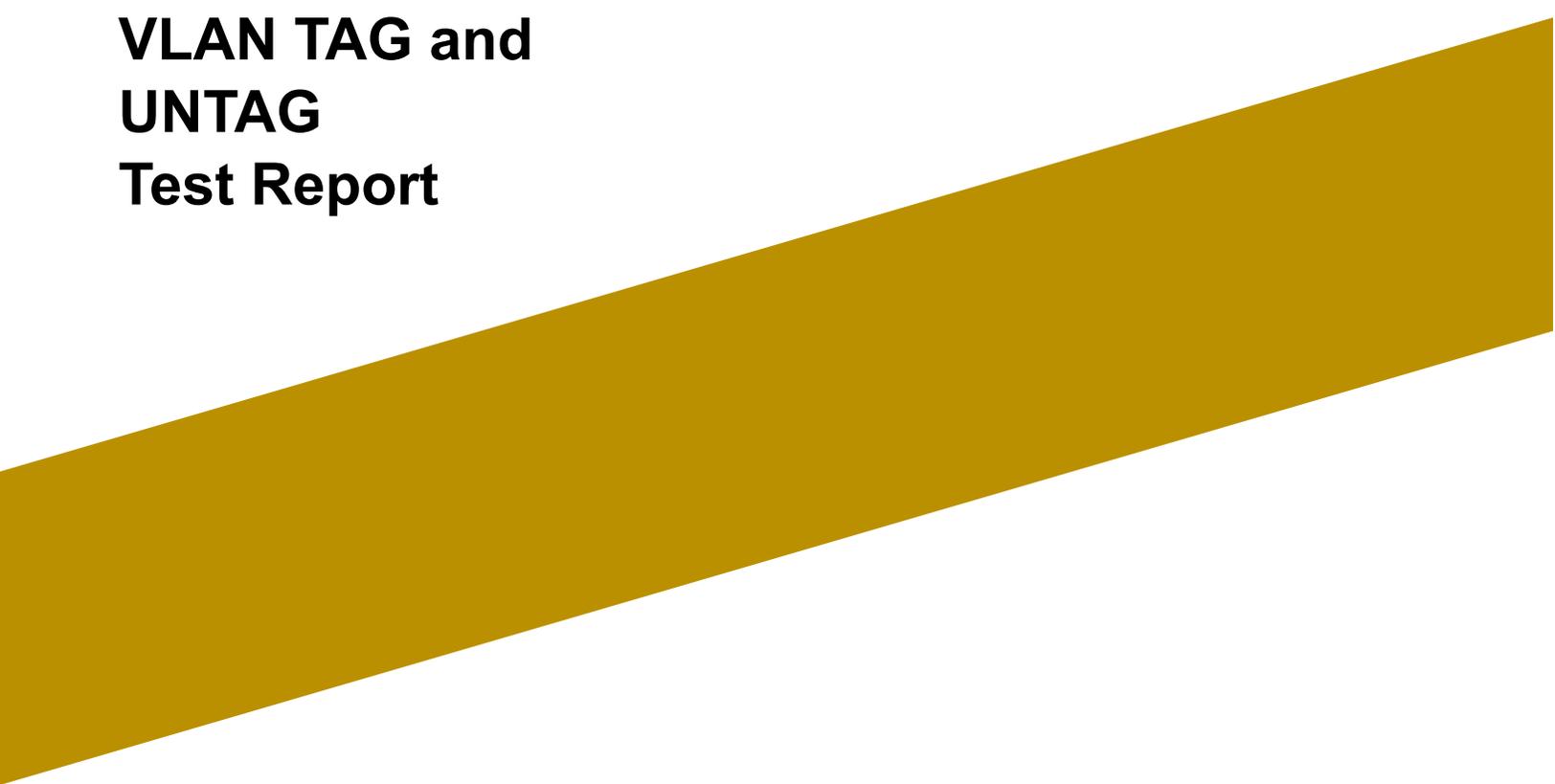
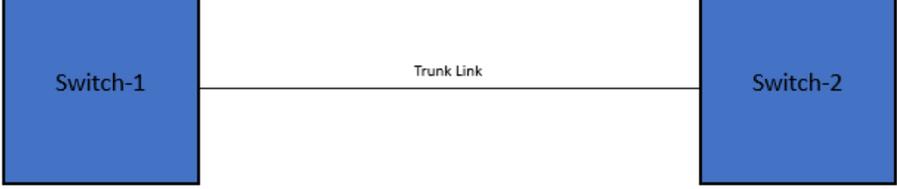
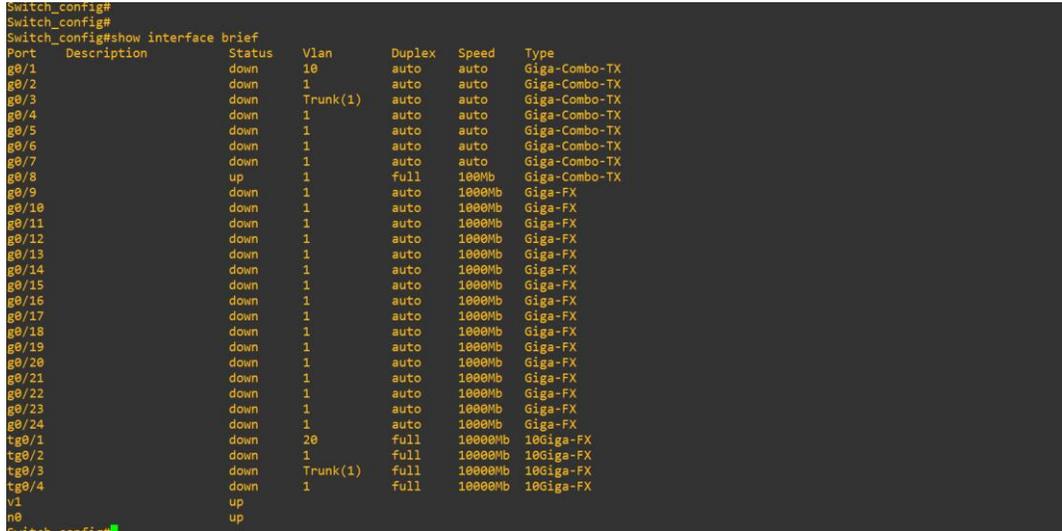


**VLAN TAG and  
UNTAG  
Test Report**



### Vlan Tag and un-tag on interfaces

Test Case	VLAN shall be possible to be created among ports of different types as well as ports on the interface cards in AS200/28/XF with version 139318
Test procedure	 <pre> graph LR     S1[Switch-1] --- TrunkLink[Trunk Link] --- S2[Switch-2]     </pre> <ol style="list-style-type: none"> <li>1. Creating the tag-ports (trunk) and untag (Access) ports between the two switches and pass the vlans.</li> <li>2. Pinging the switches via tag port and untag port</li> </ol>
Configuration	<p><b>Configuration in switch-1:</b></p> <pre> interface gigaEthernet 0/1 switchport mode access // for access or untag port switchport pvid 10 // add vlan on the port  interface gigaEthernet 0/3 switchport mode trunk // for trunk or tagged port switchport trunk vlan-allowed 10,30 // adding the vlan tags in the interfaces  interface VLAN10 ip address 10.10.10.30 255.255.255.0 no ip directed-broadcast !  interface VLAN30 ip address 30.30.30.30 255.255.255.0 no ip directed-broadcast </pre> <p><b>Configuration in switch-2:</b></p> <pre> interface gigaEthernet 0/1 switchport mode access // for access or untag port switchport pvid 10 // add vlan on the port </pre>

	<pre> ! interface gigaEthernet 0/3 switchport mode trunk // for trunk or tagged port  switchport trunk vlan-allowed 10,20,30,40 // add vlan on the port  !  interface VLAN10 ip address 10.10.10.20 255.255.255.0  no ip directed-broadcast  !  interface VLAN30 ip address 30.30.30.20 255.255.255.0  no ip directed-broadcast </pre>
<p>test result</p>	<p>Show interface brief</p>  <pre> Switch_config# Switch_config# Switch_config#show interface brief Port      Description      Status  Vlan    Duplex  Speed  Type ----- g0/1      down            10     auto   auto    Giga-Combo-TX g0/2      down            1      auto   auto    Giga-Combo-TX g0/3      down            Trunk(1) auto   auto    Giga-Combo-TX g0/4      down            1      auto   auto    Giga-Combo-TX g0/5      down            1      auto   auto    Giga-Combo-TX g0/6      down            1      auto   auto    Giga-Combo-TX g0/7      down            1      auto   auto    Giga-Combo-TX g0/8      up              1      full   100Mb   Giga-Combo-TX g0/9      down            1      auto   100Mb   Giga-FX g0/10     down            1      auto   100Mb   Giga-FX g0/11     down            1      auto   100Mb   Giga-FX g0/12     down            1      auto   100Mb   Giga-FX g0/13     down            1      auto   100Mb   Giga-FX g0/14     down            1      auto   100Mb   Giga-FX g0/15     down            1      auto   100Mb   Giga-FX g0/16     down            1      auto   100Mb   Giga-FX g0/17     down            1      auto   100Mb   Giga-FX g0/18     down            1      auto   100Mb   Giga-FX g0/19     down            1      auto   100Mb   Giga-FX g0/20     down            1      auto   100Mb   Giga-FX g0/21     down            1      auto   100Mb   Giga-FX g0/22     down            1      auto   100Mb   Giga-FX g0/23     down            1      auto   100Mb   Giga-FX g0/24     down            1      auto   100Mb   Giga-FX tg0/1     down            20     full   1000Mb  10Giga-FX tg0/2     down            1      full   1000Mb  10Giga-FX tg0/3     down            Trunk(1) full   1000Mb  10Giga-FX tg0/4     down            1      full   1000Mb  10Giga-FX v1        up no Switch_config# </pre> <p>g0/1 and tg0/1 are access ports with vlan 10 and 20, g0/3 and tg0/3 are trunk ports.</p> <p>Vlans tags present in on the all the interfaces</p>

```

Switch_config#
Switch_config#
Switch_config#show vlan
VLAN Status Name Ports
-----
1 Static Default g0/2, g0/4, g0/5, g0/6, g0/7
g0/8, g0/9, g0/10, g0/11, g0/12
g0/13, g0/14, g0/15, g0/16, g0/17
g0/18, g0/19, g0/20, g0/21, g0/22
g0/23, g0/24, tg0/2, tg0/4
10 Static VLAN0010 g0/1, g0/3, tg0/3
20 Static VLAN0020 g0/3, tg0/1, tg0/3
30 Static VLAN0030 g0/3, tg0/3
40 Static VLAN0040 tg0/3
50 Static VLAN0050
60 Static VLAN0060
70 Static VLAN0070
Switch_config#
  
```

Ping between switch-1 and switch 2 via access port vlan 10

Ping between switch-1 and switch-2 via trunk port

<pre> Switch_1_config# Switch_1_config# Switch_1_config# Switch_1_config# Switch_1_config#ping 10.10.10.20 PING 10.10.10.20 (10.10.10.20): 56 data bytes !!!! --- 10.10.10.20 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/0/0 ms Switch_1_config# Switch_1_config#ping 30.30.30.20 PING 30.30.30.20 (30.30.30.20): 56 data bytes !!!! --- 30.30.30.20 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/0/0 ms Switch_1_config#   </pre>	<pre> Switch_2_config# Switch_2_config# Switch_2_config#ping 10.10.10.30 PING 10.10.10.30 (10.10.10.30): 56 data bytes !!!! --- 10.10.10.30 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/0/0 ms Switch_2_config# Switch_2_config#ping 30.30.30.30 PING 30.30.30.30 (30.30.30.30): 56 data bytes !!!! --- 30.30.30.30 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/0/0 ms Switch_2_config#   </pre>
--	--

Ping between switch-1 and switch-2 via access port

<pre> Switch_1_config# Switch_1_config# Switch_1_config# Switch_1_config#ping 10.10.10.20 PING 10.10.10.20 (10.10.10.20): 56 data bytes !!!! --- 10.10.10.20 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/2/10 ms Switch_1_config# Switch_1_config#ping 30.30.30.20 PING 30.30.30.20 (30.30.30.20): 56 data bytes ..... --- 30.30.30.20 ping statistics --- 5 packets transmitted, 0 packets received, 100% packet loss Switch_1_config#   </pre>	<pre> Switch_2_config# Switch_2_config# Switch_2_config#ping 10.10.10.30 PING 10.10.10.30 (10.10.10.30): 56 data bytes !!!! --- 10.10.10.30 ping statistics --- 5 packets transmitted, 5 packets received, 0% packet loss round-trip min/avg/max = 0/0/0 ms Switch_2_config# Switch_2_config#ping 30.30.30.30 PING 30.30.30.30 (30.30.30.30): 56 data bytes ..... --- 30.30.30.30 ping statistics --- 5 packets transmitted, 0 packets received, 100% packet loss Switch_2_config#   </pre>
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Result

Trunk and access ports are demonstrated successfully