# Alpha Bridge
# VLAN TAG AND
# UNTAG Test Case

# 1. VLAN TAG AND UNTAG

| Testcase | VLAN TAG AND UNTAG |
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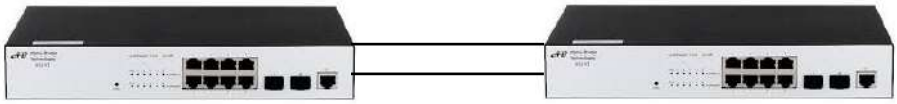
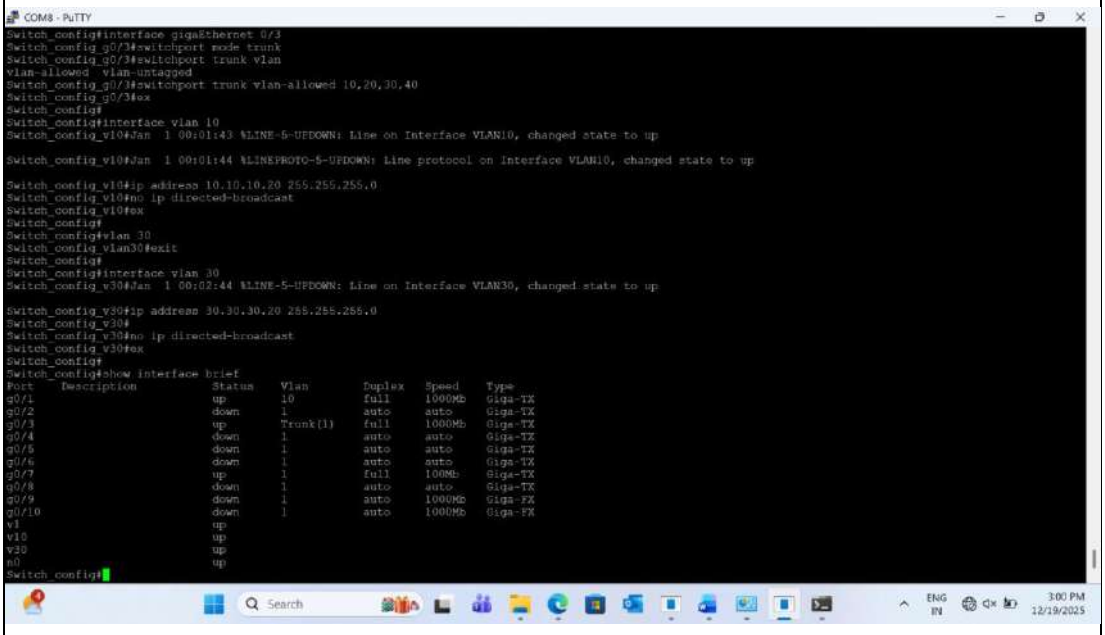
| Procedure | 1. Connect switch 1 with switch<br>2. Create tag ports(trunk) and untag (Access) ports between two switches and Pass vlans and assign IP address for vlans.<br>3. Ping the switches via tag port and untag ports<br>G0/1: Access G0/1: Access<br>  <br>G0/3: Trunk G0/3: Trunk<br>Switch1:<br>G0/1: vlan 10, Ip:10.10.10.30/24<br>G0/3: vlan,10,20 IP:30.30.30.30/24<br>Switch2:<br>G0/1: vlan 10, Ip:10.10.10.20/24<br>G0/3: vlan,10,20 IP:30.30.30.20/24 |
| Configuration | **Switch Configuration:**<br>**Switch 1:**<br>interface gigaEthernet 0/1<br>switchport mode access // for access or untag port<br>switchport pvid 10 // add vlan on the port<br>exit<br><br>interface gigaEthernet 0/3<br>switchport mode trunk // for trunk or tagged port<br>switchport trunk vlan-allowed 10,30 // adding the vlan tags in the interfaces<br>exit<br><br>interface VLAN10<br>ip address 10.10.10.30 255.255.255.0<br>no ip directed-broadcast<br>exit<br><br>interface VLAN30<br>ip address 30.30.30.30 255.255.255.0<br>no ip directed-broadcast<br>exit |

**Switch 2:**

```
interface gigaEthernet 0/1
switchport mode access // for access or untag port
switchport pvid 10 // add vlan on the port
exit

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
exit

interface VLAN10
ip address 10.10.10.20 255.255.255.0
no ip directed-broadcast
exit

interface VLAN30
ip address 30.30.30.20 255.255.255.0
no ip directed-broadcast
exit
```

Test result

**Show interface brief**



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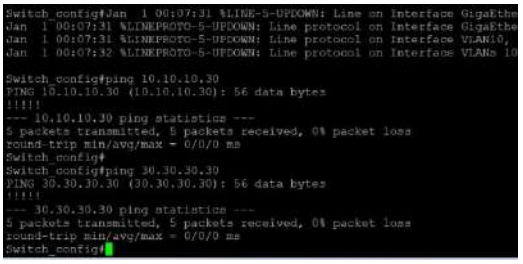
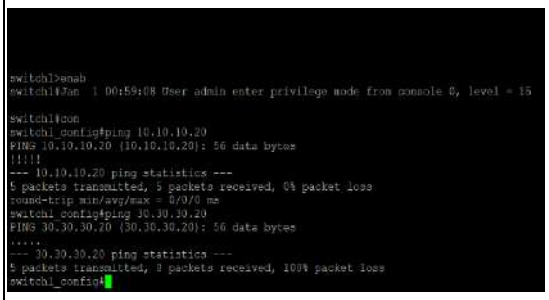
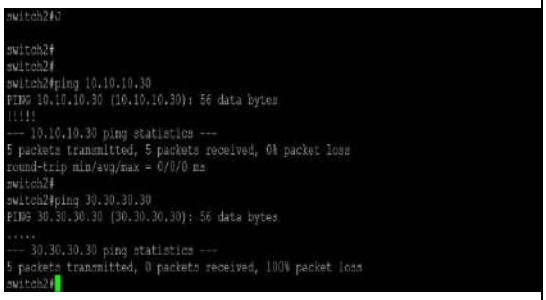
|---|---|
| | **Vlans tags present in on the all the interfaces**<br>  <br>**ping between switch-1 and switch-2 via trunk port**<br>  <br>  <br>**ping between switch-1 and switch-2 via access port**<br>  <br>  |
| Remarks | Working |