



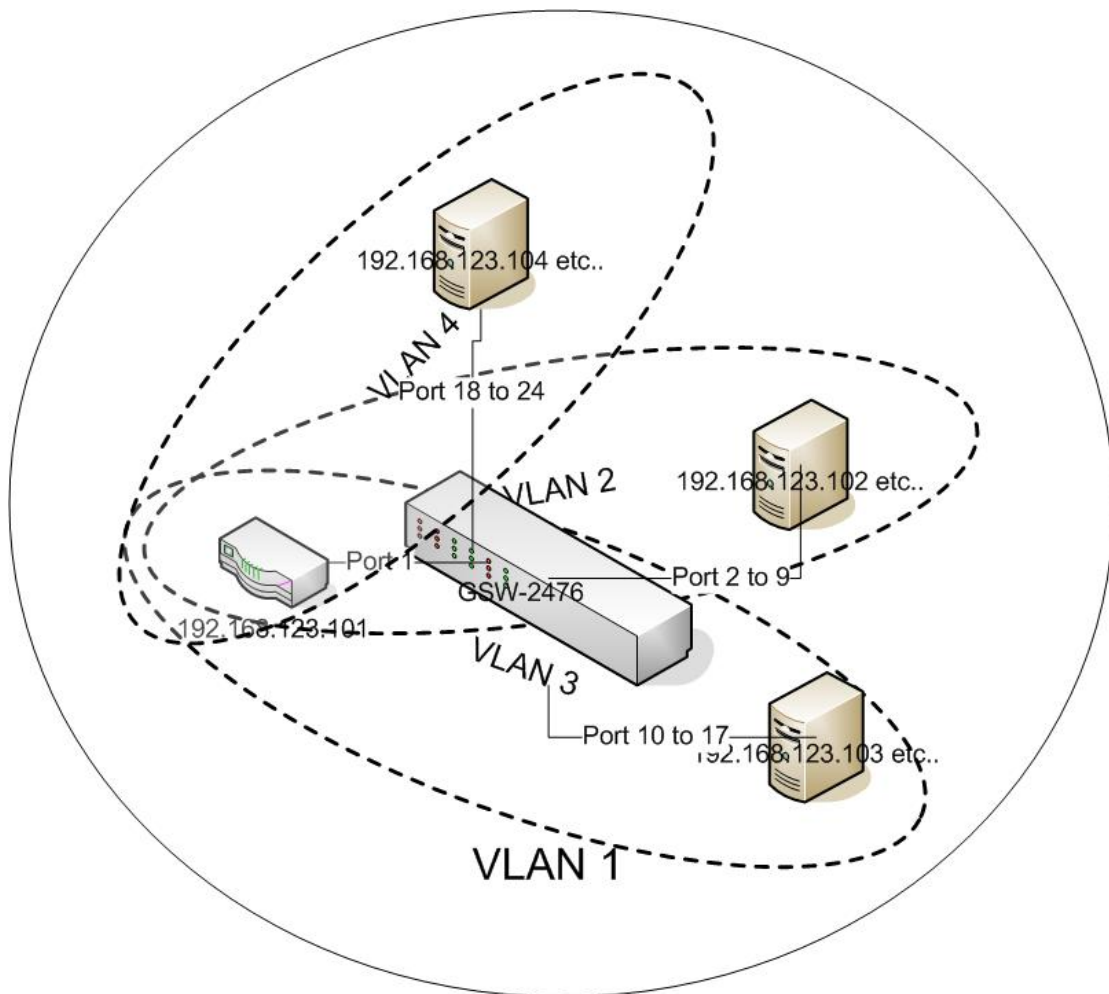
How to Create Port Based VLAN on GSW-2476?

Configuration:

All ports are in VLAN 1. Port 1 and Port 2 to Port 9 are in a VLAN group 2, Port 1 and Port 10 to Port 17 are in a VLAN group 3 and Port 1 and Port 18 to 24 are in VLAN 4.

Purpose:

All computers on Port 2 to 9 and Port 10 to 17 and Port 18 to 24 have the access to gateway at 192.168.123.101 on port 1. But they are not inter-communicable over different VLAN group.



Please configure your GSW-2476 as below.

802.1Q VLAN Configuration
This page allows you to setup up to 255 VLAN groups.

Add VLAN Group

VLAN ID:

Add

VLAN Group List

1				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			
				<input type="radio"/>			

1. All ports are in VLAN ID 1.

VLAN ID: 1

Port/Trunk	Member	Port/Trunk	Member
P1	<input checked="" type="checkbox"/>	P17	<input checked="" type="checkbox"/>
P2	<input checked="" type="checkbox"/>	P18	<input checked="" type="checkbox"/>
P3	<input checked="" type="checkbox"/>	P19	<input checked="" type="checkbox"/>
P4	<input checked="" type="checkbox"/>	P20	<input checked="" type="checkbox"/>
P5	<input checked="" type="checkbox"/>	P21	<input checked="" type="checkbox"/>
P6	<input checked="" type="checkbox"/>	P22	<input checked="" type="checkbox"/>
P7	<input checked="" type="checkbox"/>	P23	<input checked="" type="checkbox"/>
P8	<input checked="" type="checkbox"/>	P24	<input checked="" type="checkbox"/>
P9	<input checked="" type="checkbox"/>	T1	<input type="checkbox"/>
P10	<input checked="" type="checkbox"/>	T2	<input type="checkbox"/>
P11	<input checked="" type="checkbox"/>	T3	<input type="checkbox"/>
P12	<input checked="" type="checkbox"/>	T4	<input type="checkbox"/>
P13	<input checked="" type="checkbox"/>	T5	<input type="checkbox"/>
P14	<input checked="" type="checkbox"/>	T6	<input type="checkbox"/>
P15	<input checked="" type="checkbox"/>	T7	<input type="checkbox"/>
P16	<input checked="" type="checkbox"/>	T8	<input type="checkbox"/>

2. Port 1, Port 2 to 9 are in VLAN ID 2.

VLAN ID: 2				
Port/Trunk	Member	Port/Trunk	Member	
P1	<input checked="" type="checkbox"/>	P17	<input type="checkbox"/>	
P2	<input checked="" type="checkbox"/>	P18	<input type="checkbox"/>	
P3	<input checked="" type="checkbox"/>	P19	<input type="checkbox"/>	
P4	<input checked="" type="checkbox"/>	P20	<input type="checkbox"/>	
P5	<input checked="" type="checkbox"/>	P21	<input type="checkbox"/>	
P6	<input checked="" type="checkbox"/>	P22	<input type="checkbox"/>	
P7	<input checked="" type="checkbox"/>	P23	<input type="checkbox"/>	
P8	<input checked="" type="checkbox"/>	P24	<input type="checkbox"/>	
P9	<input checked="" type="checkbox"/>	T1	<input type="checkbox"/>	
P10	<input type="checkbox"/>	T2	<input type="checkbox"/>	
P11	<input type="checkbox"/>	T3	<input type="checkbox"/>	
P12	<input type="checkbox"/>	T4	<input type="checkbox"/>	
P13	<input type="checkbox"/>	T5	<input type="checkbox"/>	
P14	<input type="checkbox"/>	T6	<input type="checkbox"/>	
P15	<input type="checkbox"/>	T7	<input type="checkbox"/>	
P16	<input type="checkbox"/>	T8	<input type="checkbox"/>	

3. Port 1, Port 10 to 17 are in VLAN ID 3.

VLAN ID: 3				
Port/Trunk	Member	Port/Trunk	Member	
P1	<input checked="" type="checkbox"/>	P17	<input checked="" type="checkbox"/>	
P2	<input type="checkbox"/>	P18	<input type="checkbox"/>	
P3	<input type="checkbox"/>	P19	<input type="checkbox"/>	
P4	<input type="checkbox"/>	P20	<input type="checkbox"/>	
P5	<input type="checkbox"/>	P21	<input type="checkbox"/>	
P6	<input type="checkbox"/>	P22	<input type="checkbox"/>	
P7	<input type="checkbox"/>	P23	<input type="checkbox"/>	
P8	<input type="checkbox"/>	P24	<input type="checkbox"/>	
P9	<input type="checkbox"/>	T1	<input type="checkbox"/>	
P10	<input checked="" type="checkbox"/>	T2	<input type="checkbox"/>	
P11	<input checked="" type="checkbox"/>	T3	<input type="checkbox"/>	
P12	<input checked="" type="checkbox"/>	T4	<input type="checkbox"/>	
P13	<input checked="" type="checkbox"/>	T5	<input type="checkbox"/>	
P14	<input checked="" type="checkbox"/>	T6	<input type="checkbox"/>	
P15	<input checked="" type="checkbox"/>	T7	<input type="checkbox"/>	
P16	<input checked="" type="checkbox"/>	T8	<input type="checkbox"/>	

4. Port 1, Port 18 to 24 are in VLAN ID 4.

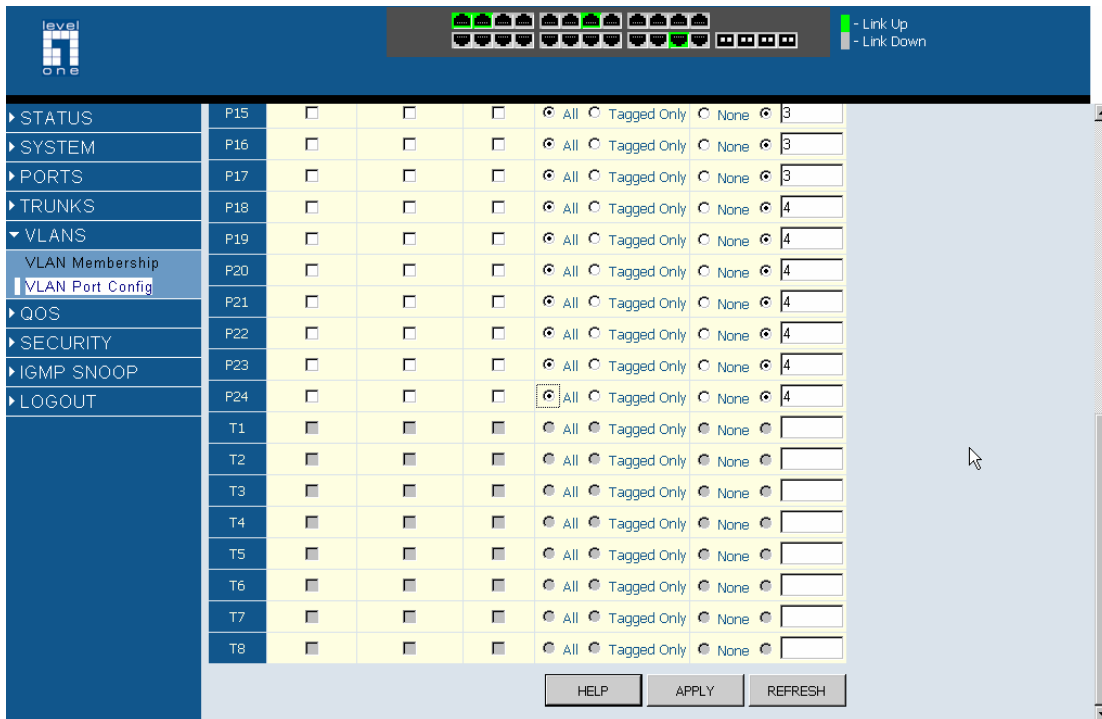
The screenshot shows the LevelOne switch configuration interface. The top navigation bar includes 'level one' logo, a port status indicator (Link Up/Down), and a menu with options: STATUS, SYSTEM, PORTS, TRUNKS, VLANS, VLAN Membership, VLAN Port Config, QOS, SECURITY, IGMP SNOOP, and LOGOUT. The 'VLAN Port Config' section is active, displaying a table for 'VLAN ID: 4'.

Port/Trunk	Member	Port/Trunk	Member
P1	<input checked="" type="checkbox"/>	P17	<input type="checkbox"/>
P2	<input type="checkbox"/>	P18	<input checked="" type="checkbox"/>
P3	<input type="checkbox"/>	P19	<input checked="" type="checkbox"/>
P4	<input type="checkbox"/>	P20	<input checked="" type="checkbox"/>
P5	<input type="checkbox"/>	P21	<input checked="" type="checkbox"/>
P6	<input type="checkbox"/>	P22	<input checked="" type="checkbox"/>
P7	<input type="checkbox"/>	P23	<input checked="" type="checkbox"/>
P8	<input type="checkbox"/>	P24	<input checked="" type="checkbox"/>
P9	<input type="checkbox"/>	T1	<input type="checkbox"/>
P10	<input type="checkbox"/>	T2	<input type="checkbox"/>
P11	<input type="checkbox"/>	T3	<input type="checkbox"/>
P12	<input type="checkbox"/>	T4	<input type="checkbox"/>
P13	<input type="checkbox"/>	T5	<input type="checkbox"/>
P14	<input type="checkbox"/>	T6	<input type="checkbox"/>
P15	<input type="checkbox"/>	T7	<input type="checkbox"/>
P16	<input type="checkbox"/>	T8	<input type="checkbox"/>

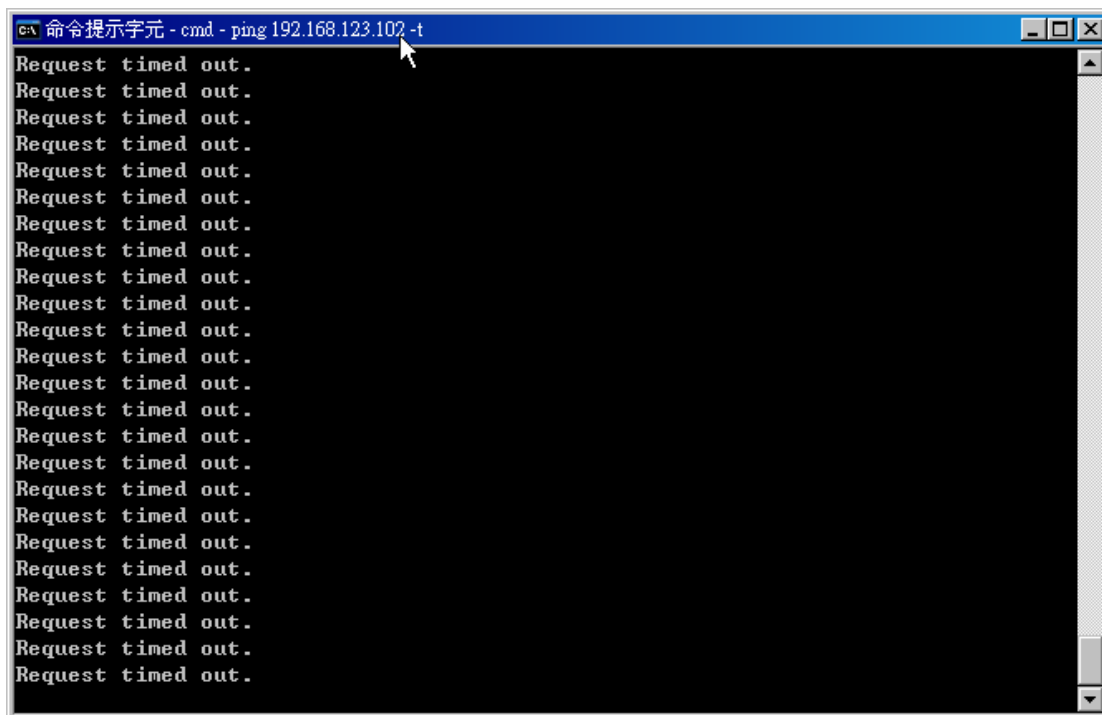
5. Please disable “VLAN aware Enable” and change PVID below accordingly.

The screenshot shows the LevelOne switch configuration interface, specifically the 'VLAN Port Config' section. The table displays configuration for ports P1 through P18. The 'VLAN aware Enabled' column is set to 'No' for all ports. The 'PVID' column is set to 1 for P1, 2 for P2-P8, 3 for P9-P16, and 4 for P17-P18. The 'Packet Type' column shows radio button options for 'All' (selected), 'Tagged Only', and 'None'.

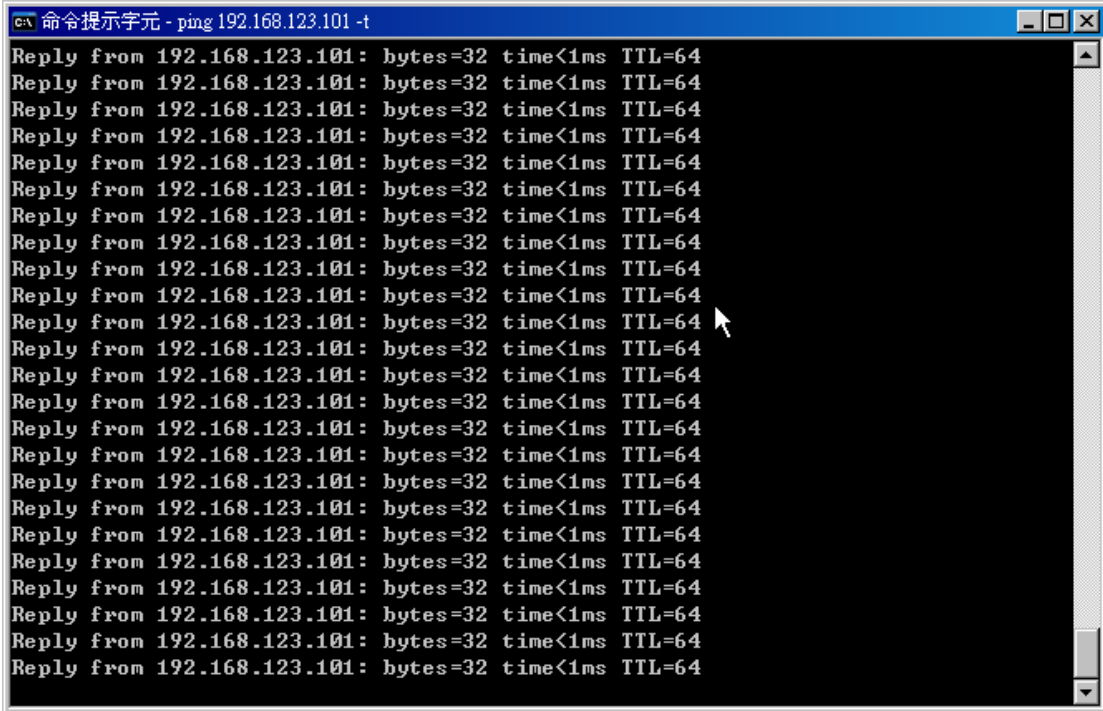
Port/Trunk	VLAN aware Enabled	Ingress Filtering Enabled	QinQ Enabled	Packet Type	PVID
P1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	1
P2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	2
P10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	3
P18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Tagged Only None	4



6. Ping to 192.168.123.102 on Port 2 (VLAN 2) from 192.168.123.103 on Port 10(VLAN 3) failed.



7. Ping to gateway 192.168.123.101 on Port 1 from 192.168.123.103 on port 10 successful.



```
命令提示字元 - ping 192.168.123.101 -t
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
Reply from 192.168.123.101: bytes=32 time<1ms TTL=64
```