How to config 802.1q VLAN on DGS-1100 rev.B1

Scenario: To create a VLAN 100 with untagged ports 5-8 and tagged port 9-10.

1. Create VLAN 100.

D-Link Building Networks for People					
🔄 💾 Save 👻 🏹 Tools 👻 🍁 Wizard	Online Help 🔻				Logged in as: admin- 10.90.90.100 💋 Logou
Fuzzy Search	802.1Q VLAN				
DGS-1100-24	802.1Q VLAN	100	1.		2. Lank Delate
Management	VID LISt (2-4094)	100			Apply Delete
P P L2 Features FDB P P VLAN	VLAN List				
	Total Entries: 1				
Port-based VLAN	VID	VLAN Name	Tagged Member Ports	Untagged Member Ports	VLAN Type
Asymmetric VLAN	1	VLAN0001		eth1-eth24	Edit Delete
VLAN Interface Auto Surveillance VLAN					1/1 < < 1 > > Go

2. VLAN 100 was created.

D-Link Building Networks for People			
📲 Save 👻 🌠 Tools 👻 👐 Wizard	🕐 Online Help 🔻		
Fuzzy Search	802.1Q VLAN		
DGS-1100-24	802.1Q VLAN		
⊕ · 📁 System ⊕ · 📁 Management	VID List (2-4094)	3 or 2-5]
E2 Features	VLAN List		
	Total Entries: 2		
Port-based VLAN Management VLAN Asymmetric VLAN VLAN VLAN VLAN	VID	VLAN Name	Tagged Member
	1	VLAN0001	_
	100	VLAN0100	
 			

3. Go to "VLAN interface" page to assign ports to VLAN 100. Click eth5->"Edit".

D-Link Building Networks for People					
📲 Save 👻 🌠 Tools 👻 🍁 Wizard	🕜 Online Help				👷 Logged in as: admin- 10.90.90.100 💋
Fuzzy Search	VLAN Interfa	ace			
DGS-1100-24	VLAN Interfac	:e			
 E Management 	Port	VLAN Mode	Ingress Checking	Acceptable Frame Type	
E L2 Features	eth1	Hybrid	Enabled	Admit All	VLAN Detail Edit
TOB	eth2	Hybrid	Enabled	Admit All	VLAN Detail Edit
B02 10 VI AN	eth3	Hybrid	Enabled	Admit All	VLAN Detail Edit
Port-based VLAN	eth4	Hybrid	Enabled	Admit All	VLAN Detail Edit
Management VLAN	eth5	Hybrid	Enabled	Admit All	VLAN Detail Edit
Asymmetric VLAN	eth6	Hybrid	Enabled	Admit All	VLAN Detail Edit
Auto Surveillance VLAN	eth7	Hybrid	Enabled	Admit All	VLAN Detail Edit
E Solice VLAN	eth8	Hybrid	Enabled	Admit All	VLAN Detail Edit

4. Assign VLAN mode "access", Acceptable frame "Untagged Only", VID=100. And clone from port 5 to port 8.

С	onfigure VLAN Interface			
Г	Configure VLAN Interface			
	Port VLAN Mode Acceptable Frame	eth5 1 Access V Untagged Only V	Cione From Port eth5 V	To Port
	Ingress Checking	Enabled Obisabled		
	VID(1-4094)			<back apply<="" th=""></back>

5. Back to "VLAN interface" page, click "Edit" on port 9.

LAN Interface					
VLAN Interfa	ce				
Port	VLAN Mode	Ingress Checking	Acceptable Frame Type		
eth1	Hybrid	Enabled	Admit All	VLAN Detail Edit	
eth2	Hybrid	Enabled	Admit All	VLAN Detail Edit	
eth3	Hybrid	Enabled	Admit All	VLAN Detail Edit	
eth4	Hybrid	Enabled	Admit All	VLAN Detail Edit	
eth5	Access	Enabled	Untagged Only	VLAN Detail Edit	
eth6	Access	Enabled	Untagged Only	VLAN Detail Edit	
eth7	Access	Enabled	Untagged Only	VLAN Detail Edit	
eth8	Access	Enabled	Untagged Only	VLAN Detail Edit	
eth9	Hybrid	Enabled	Admit All	VLAN Detail Edit	
eth10	Hybrid	Enabled	Admit All	VLAN Detail Edit	

 VLAN mode "Trunk", Acceptable Frame "Tagged Only", clone from port 9 to port 10. Add allow VID 1 and 10.

Configure VLAN Interface				
Configure VLAN Interface				
Port VLAN Mode Acceptable Frame Ingress Checking	eth9 1 Trunk V Tagged Only V © Enabled O Disabled	✓ Clone From Port eth9 ▼	To Port	
Action Allowed VLAN Range	Add V 1,100		4	

7. Back to "VLAN interface" page, port 5-10 status changed.

VLAN Inter	VLAN Interface							
VLAN Interfa	VLAN Interface							
					_	_		
Port	VLAN Mode	Ingress Checking	Acceptable Frame Type					
eth1	Hybrid	Enabled	Admit All	VLAN Detail	Edit			
eth2	Hybrid	Enabled	Admit All	VLAN Detail	Edit			
eth3	Hybrid	Enabled	Admit All	VLAN Detail	Edit			
eth4	Hybrid	Enabled	Admit All	VLAN Detail	Edit			
eth5	Access	Enabled	Untagged Only	VLAN Detail	Edit			
eth6	Access	Enabled	Untagged Only	VLAN Detail	Edit			
eth7	Access	Enabled	Untagged Only	VLAN Detail	Edit			
eth8	Access	Enabled	Untagged Only	VLAN Detail	Edit			
eth9	Trunk	Enabled	Tagged Only	VLAN Detail	Edit			
eth10	Trunk	Enabled	Tagged Only	VLAN Detail	Edit			

8. Check port 9-10 status.

V	VLAN Interface Information				
	VI AN Interface Information				
	Port	eth9			
	VLAN Mode	Trunk			
	Native VLAN	1			
	Trunk Allowed VLAN	1, 100,			
	Ingress Checking	Enabled			
	Acceptable Frame Type	Tagged Only			

VLAN Interface Information Port eth10 VLAN Mode Trunk Native VLAN 1 Trunk Allowed VLAN 1, 100, Ingress Checking Enabled Acceptable Frame Type Tagged Only

9. Setup completed.

[Test topology]

PC1-----DGS-1100-----DGS-3000-----PC2 192.168.0.100 (p1) (p10) (p10) (p1) 192.168.0.101

[Test step]

- Apply commands on DGS-3000 config vlan default delete 5-8 config vlan default add tagged 9-10 create vlan v100 tag 100 config vlan v100 add tagged 9-10 config vlan v100 add untagged 5-8
- 2. Follow the screenshots to setup DGS-1100
- 3. Ping from PC1 to PC2.
- 4. Move PC1 to DGS-1100 port 5, move PC2 to DGS-3000 port 5
- 5. Ping from PC1 to PC2 again.

[Test result] PC1 can ping PC2 normally on step 3 and 5.