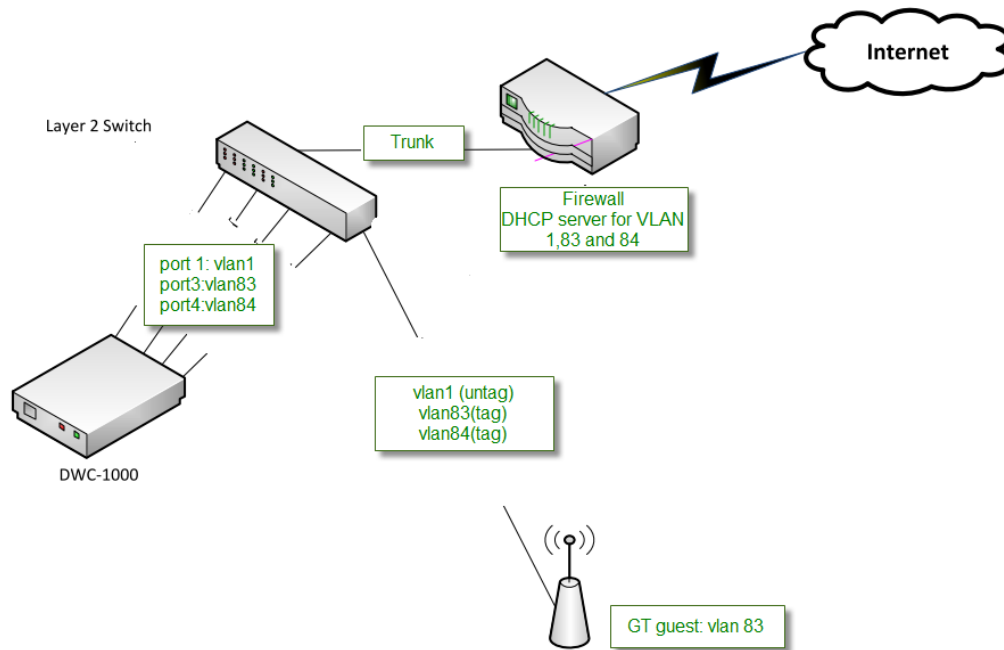# How to setup CP on DWC-1000

Scenario 1

Topology:

Firewall:

VLAN 1 IP: 10.70.0.254/16

VLAN83 IP: 10.18.83.254/24

VLAN84 IP: 10.18.84.254/24

AP will get VLAN 1 IP address from DHCP server (DFL), this is management IP address.

NB will get VLAN 83 IP address from DHCP server (DFL), VLAN 83 is for data transmit.

(1) Create 3 DHCP servers.

DHCP Servers
Add, remove and configure the DHCP servers in the system.

Add ▾ Advanced Settings

# ▾	Name ▾	Interface ▾	Relayer Filter ▾	IP Address Pool ▾	Netmask ▾	Enable logging ▾	Comments ▾
1	vlan1	lan	0.0.0.0/0	10.70.0.10-10.70.0.20	255.255.0.0	Yes	
2	vlan83	vlan83	0.0.0.0/0	10.18.83.10-10.18.83.20	255.255.255.0	Yes	
3	vlan84	vlan84	0.0.0.0/0	10.18.84.10-10.18.84.20	255.255.255.0	Yes	

Right-click on a row for additional options.

(2) Create 2 VLAN interfaces then main table should have 2 VLAN interface routes.

VLAN
Add, remove and configure IEEE 802.1Q based Virtual LAN interfaces.

Add ▾ Advanced Settings

# ▾	Name ▾	Interface ▾	VLAN ID ▾	IPv4 Address ▾	IPv6 Address ▾	Network ▾	Default Gateway ▾	Comments ▾
1	vlan83	lan	83	10.18.83.254		vlan83_net		
2	vlan84	lan	84	10.18.84.254		vlan84_net		

Right-click on a row for additional options.

main
The system has a predefined main routing table. Alternate routing tables can be defined by the user.

Add ▾ Edit this object

# ▾	Type ▾	Interface ▾	Network ▾	Gateway ▾	LocalIP ▾	Metric ▾	Monitor this route ▾	Comments ▾
1	Route IPv4	vlan83	vlan83_net			100	No	Direct route for network vlan83_net over interface...
2	Route IPv4	vlan84	vlan84_net			100	No	Direct route for network vlan84_net over interface...
3	Route IPv4	wan1	wan1net			100	No	Direct route for network wan1net over interface wa...
4	Route IPv4	wan1	all-nets	wan1_gw		100	No	Default route over interface wan1.
5	Route IPv4	wan2	wan2net			100	No	Direct route for network wan2net over interface wa...
6	Route IPv4	dmz	dmznet			100	No	Direct route for network dmznet over interface dmz...
7	Route IPv4	lan	lannet			100	No	Direct route for network lannet over interface lan...

(3) Create IP rule for each VLAN can access each other.

IP Rules
IP rules are used to filter IP-based network traffic. In addition, they provide means for address translation as well as Server Load Balancing.

Add ▾

# ▾	Name ▾	Action ▾	Src If ▾	Src Net ▾	Dest If ▾	Dest Net ▾	Service ▾
1	ping_fw	Allow	all_vlan_interface	all_vlans	core	all-nets	all_icmp
2	test	FwdFast	all_vlan_interface	all_vlans	all_vlan_interface	all_vlans	all_services
3	lan_to_wan1						

Right-click on a row for additional options.

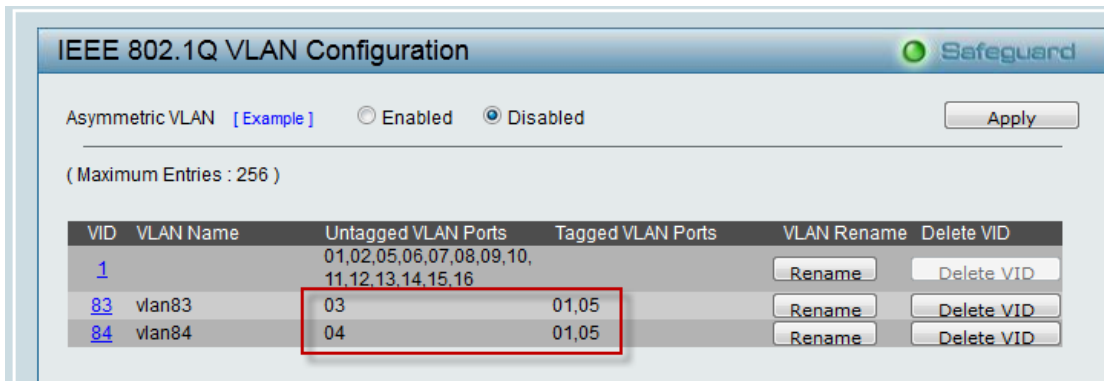(4) Create IP rule for each VLANs can surf Internet.
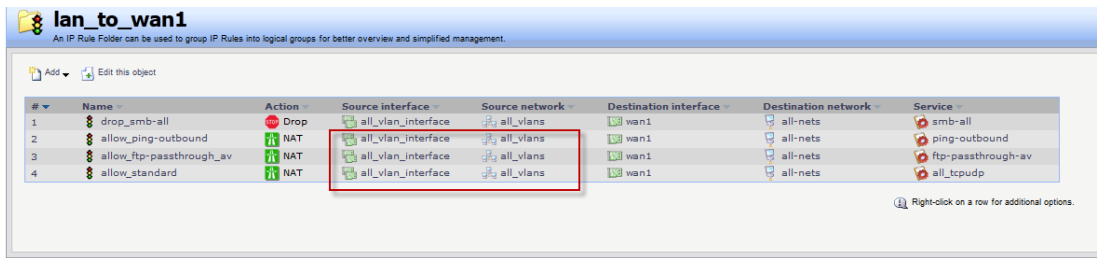
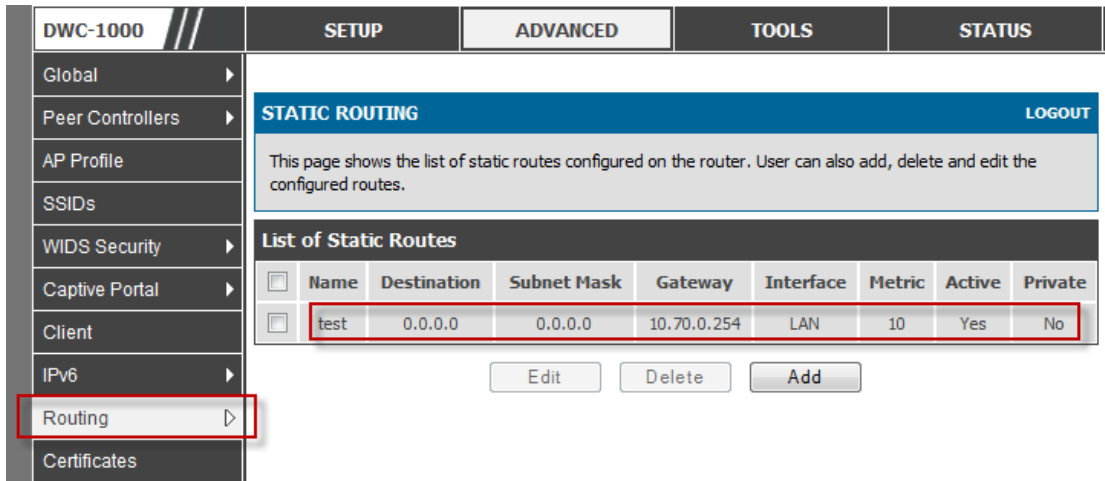(5) On the switch, port 1 and port 5 are trunk port.

Switch port 2 connect to DWC port 1

Switch port 3 connect to DWC port 3

Switch port 4 connect to DWC port 4

(6) Create default route for VLAN1 on DWC.

(7) Port 3 and port 4 are belong to VLAN 83 and VLAN 84.

(8) Add GT guest VLAN in the associated interfaces.

(9) NB associated to SSID "GT guest" and pop out CP WEB page.

END