Accessing the Captive portal from different VLANs on the WFS709TP

INTRODUCTION

This documents provide information on how to setup the WFS709TP to allow multiple SSID to user the Captive portal option for Authentication.

Relevant information are provided on the routing details required to enable routing across VLAN1 and other VLANs associated to the different SSIDs.

The document should be used as a blue-print.

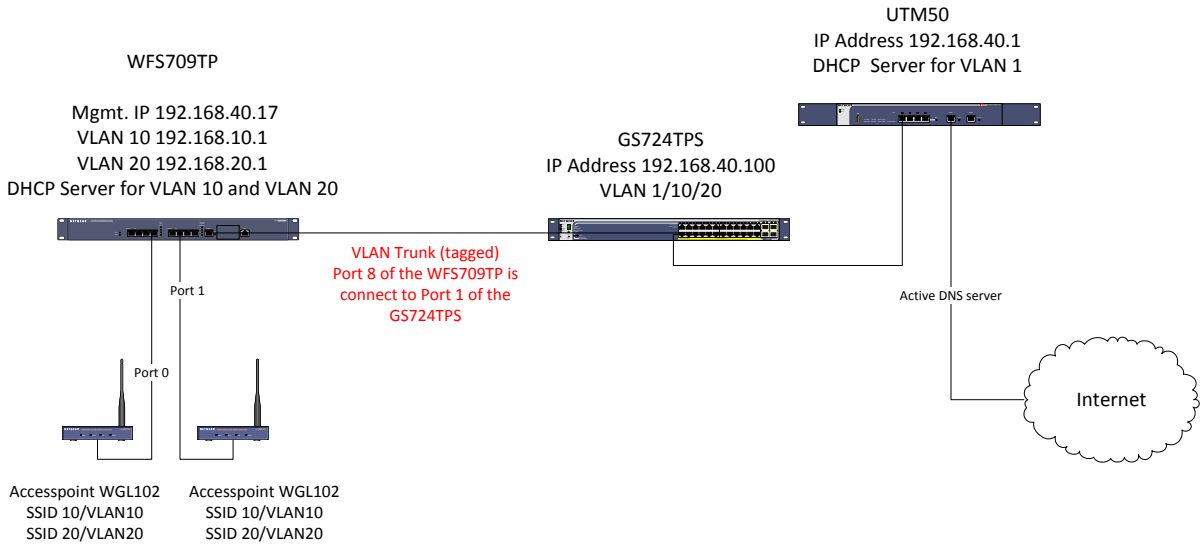
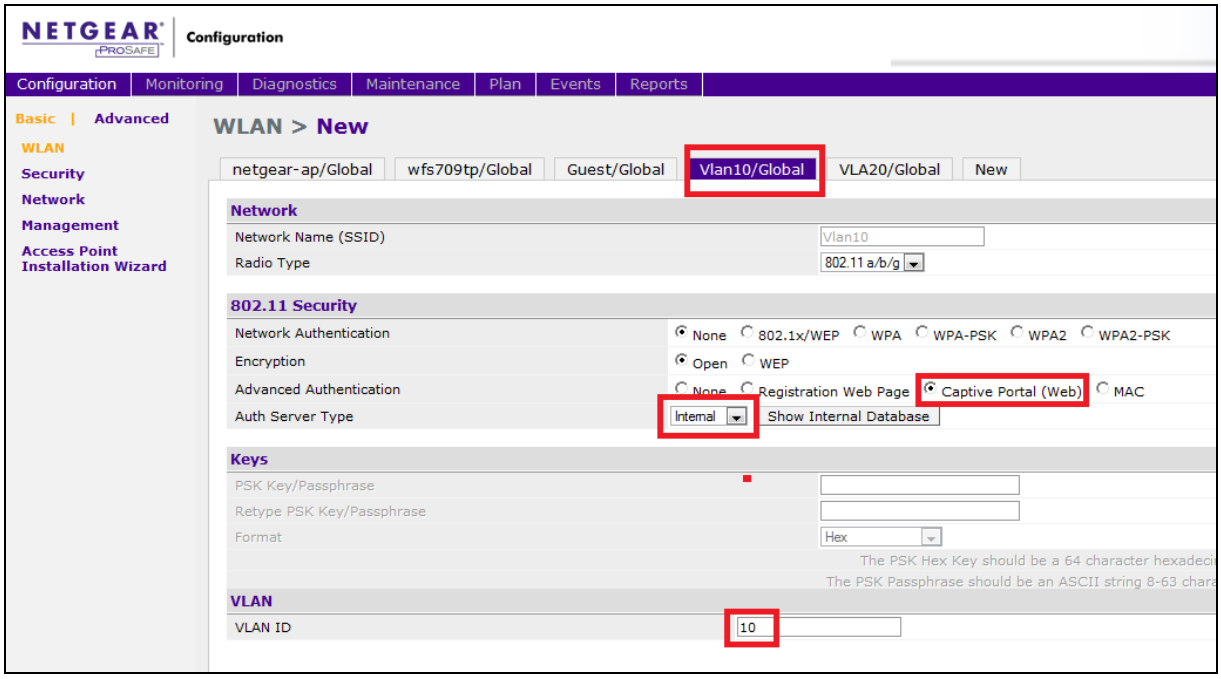


Figure I – Network setup used to test the Captive Portal feature

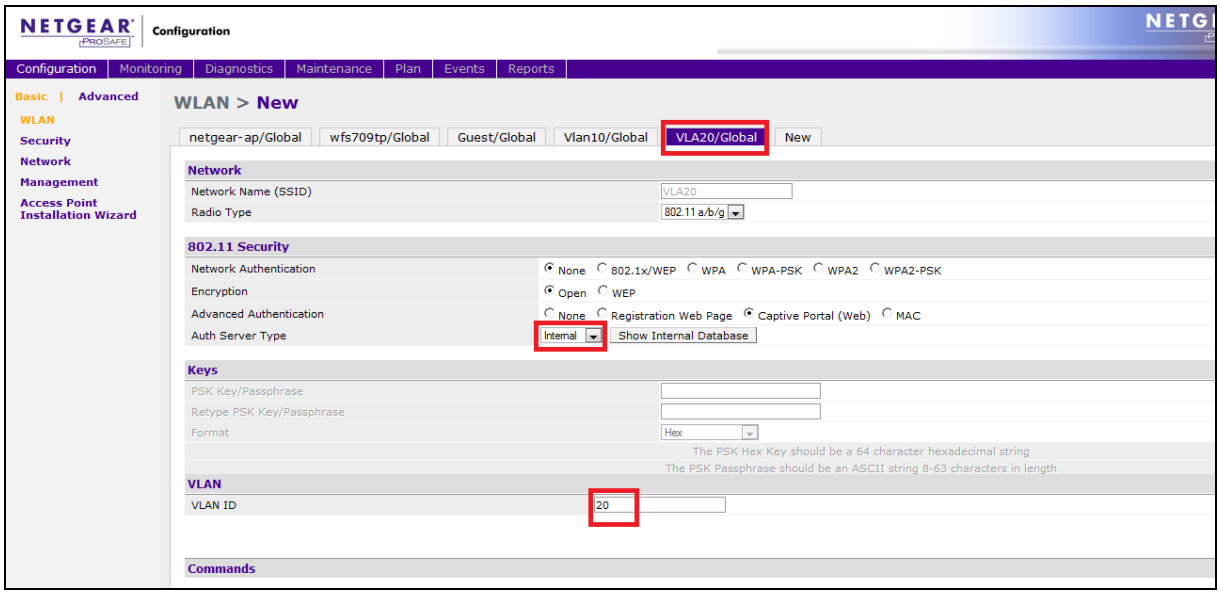
Contents

CONFIGURATION ON THE WFS709TP

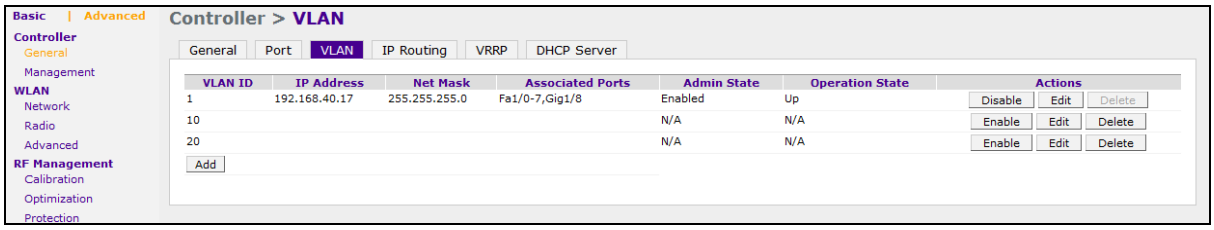
1. Create an SSID called VLAN 10 , with Captive Portal authentication against the WFS709TP internal database.



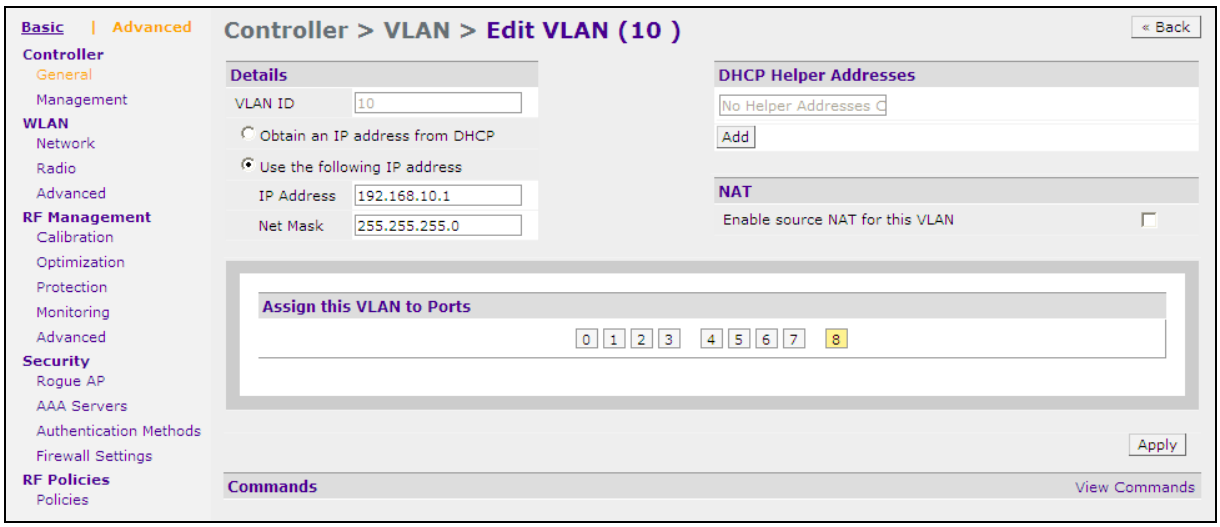
2. Create a 2nd SSID named VLAN 20 , with Captive Portal authentication against the WFS709TP internal database.



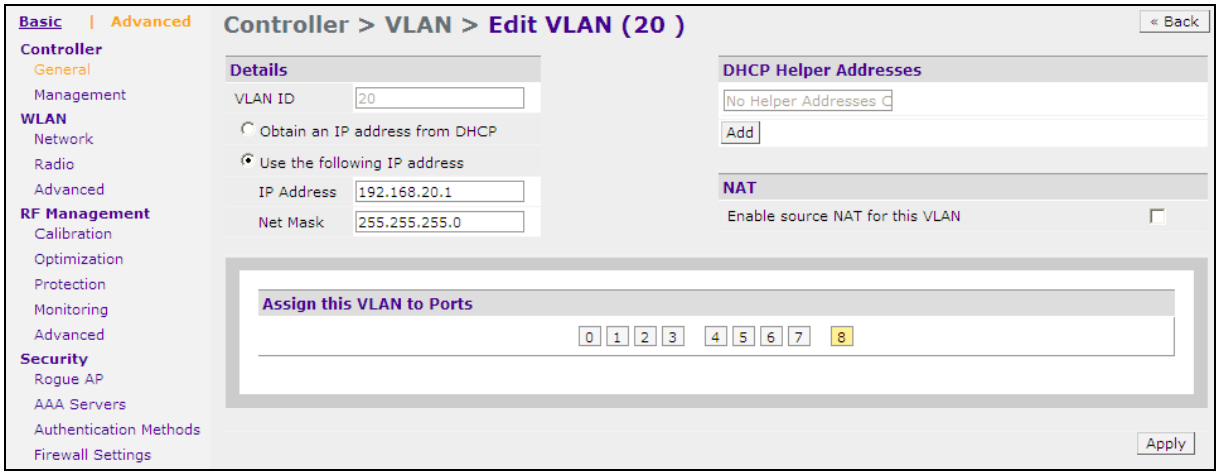
3. Go to the VLAN section under Configuration, Advanced, Controller, General. An edit VLAN 10 and 20 one at a time.



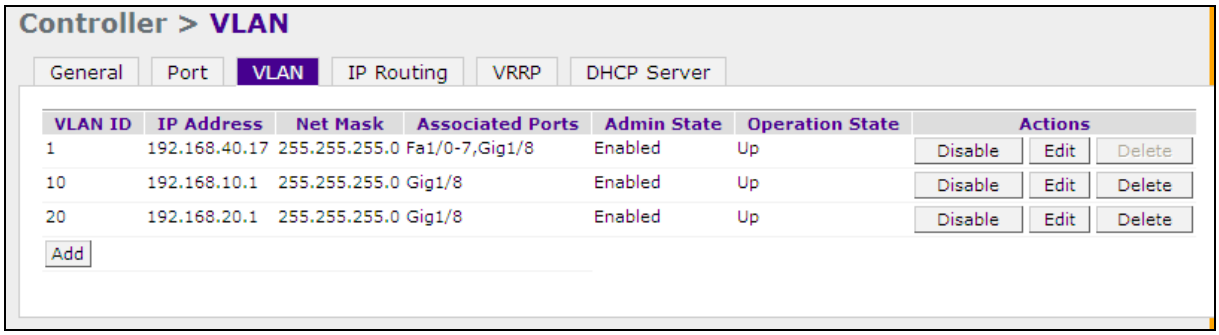
4. Edit VLAN 10, specify the IP address , subnet mask and associate to port 8 (trunk port to the switch)



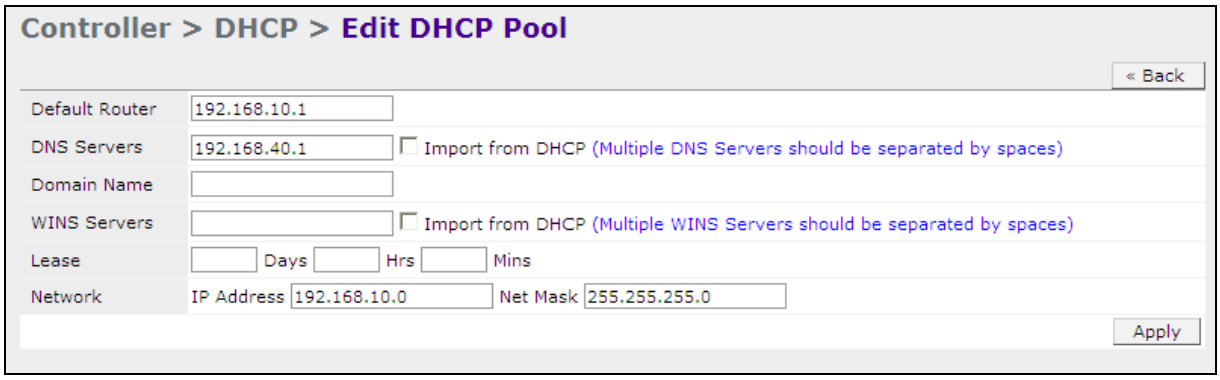
5. Edit VLAN 20, specify the IP address, subnet mask and associate to port 8 (trunk port on the switch)

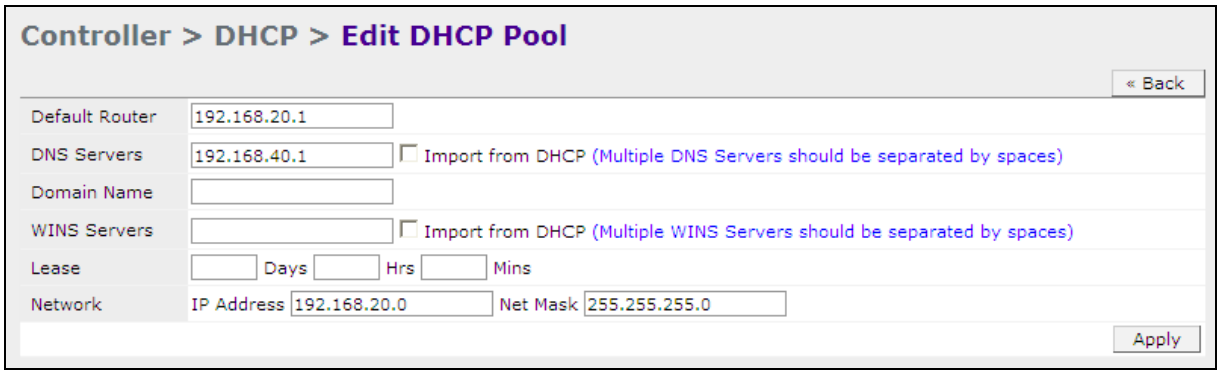


NOTE: When returning to the VLAN summary page the VLAN will appear as enabled.

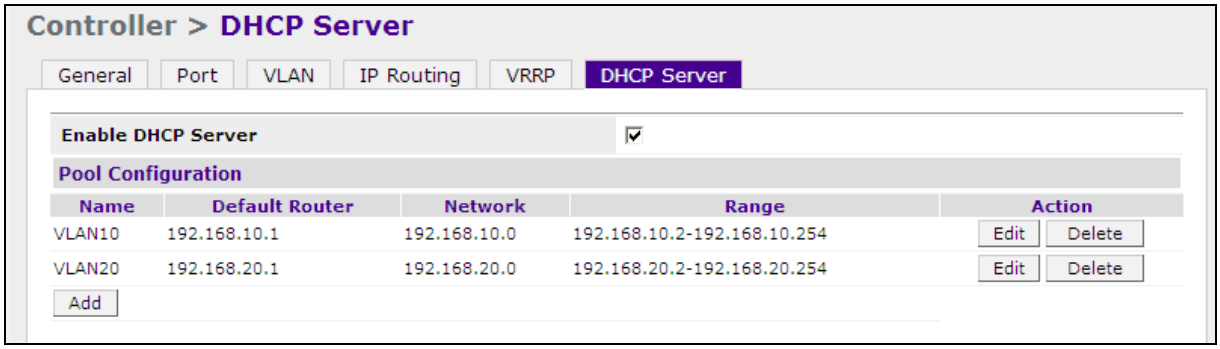


6. On the DHCP pane, create two DHCP pools, one per VLAN 10 and one per VLAN 20 as follows:

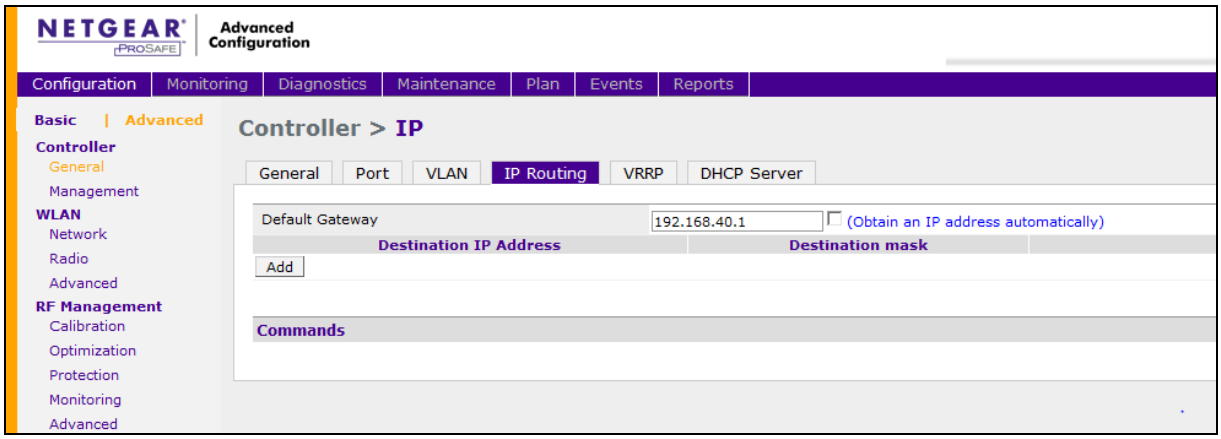




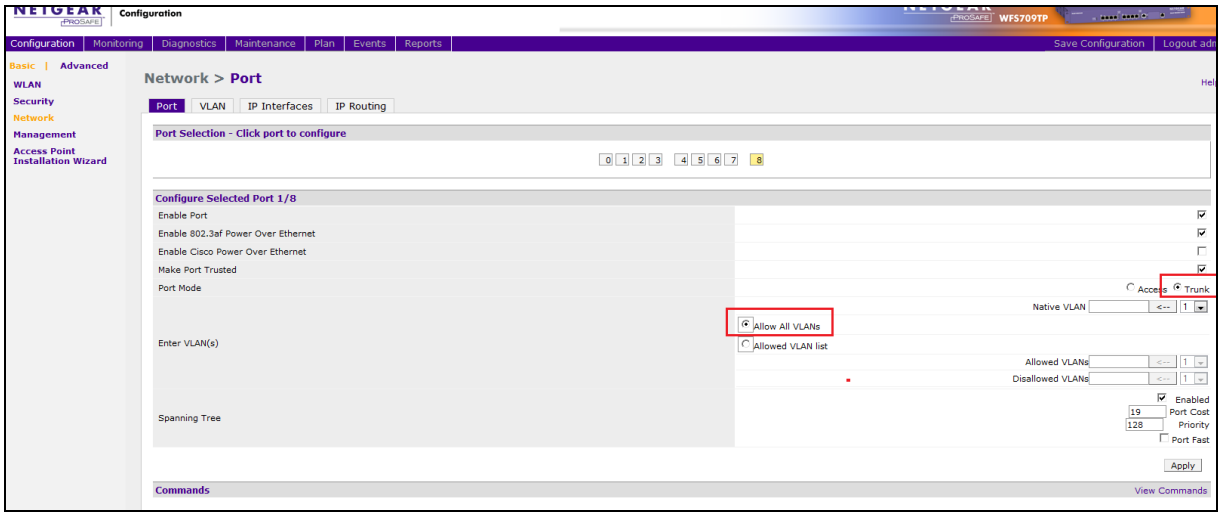
NOTE: See the DHCP summary below



7. Configure the default Gateway to be the LAN address of the router

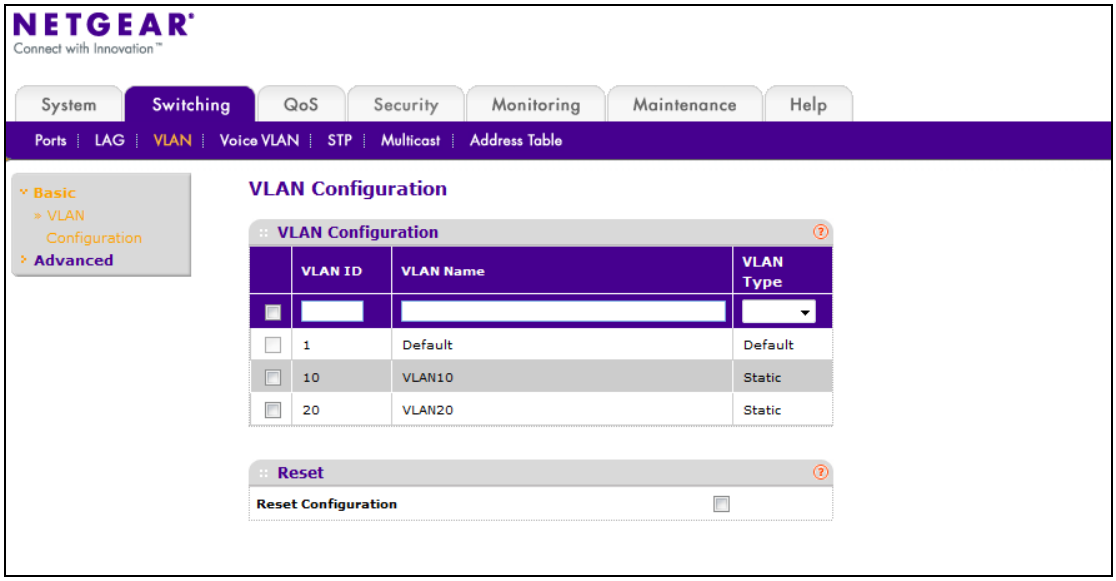


8. Enable the trunk port (Port 8, the port that will connect to a trunk port on the switch)

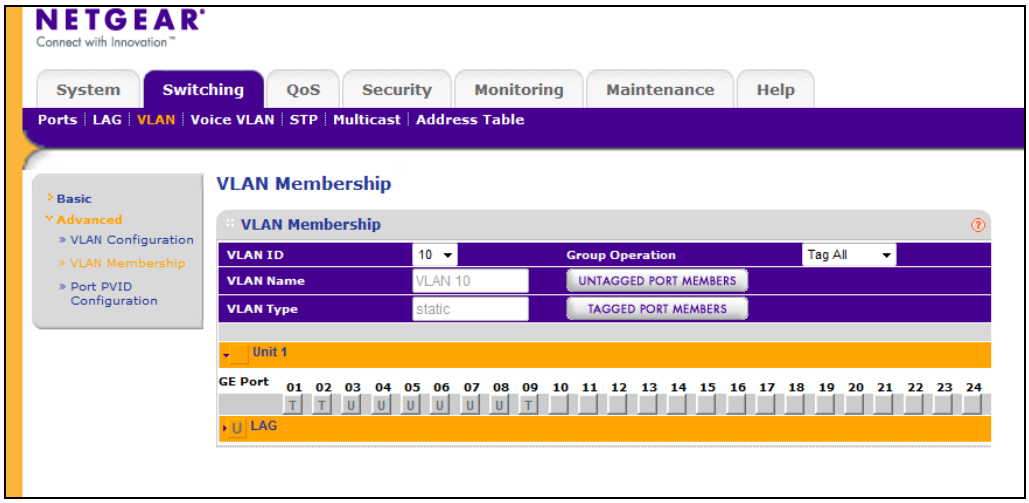


CONFIGURATION ON THE SWITCH

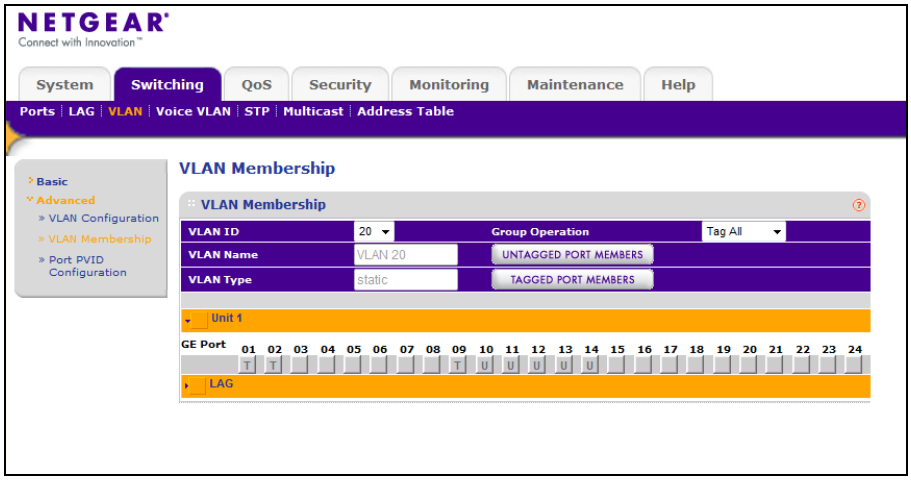
1. Add two VLANs, VLAN 10 and VLan 20



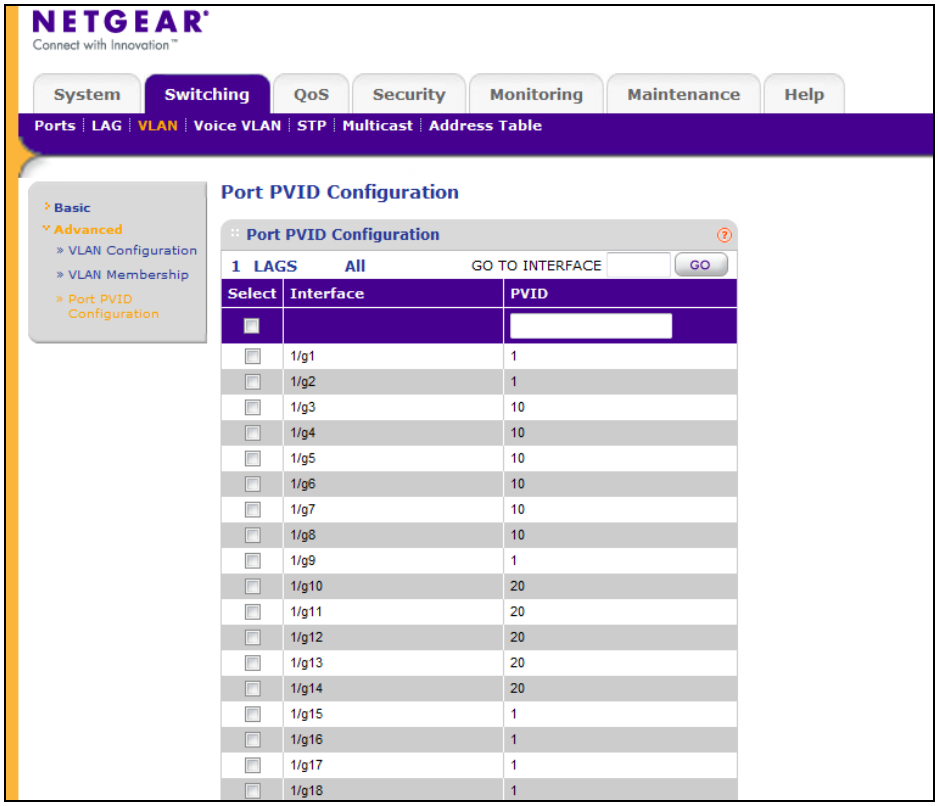
Add Ports 3 to 8 untagged to VLAN 10. Add Port 1 to2 and Port 9 tagged to VLAN 10



Add Ports 10 to 14 untagged to VLAN 20. Add Ports 1 to 2 and Port 9 tagged to VLAN 10

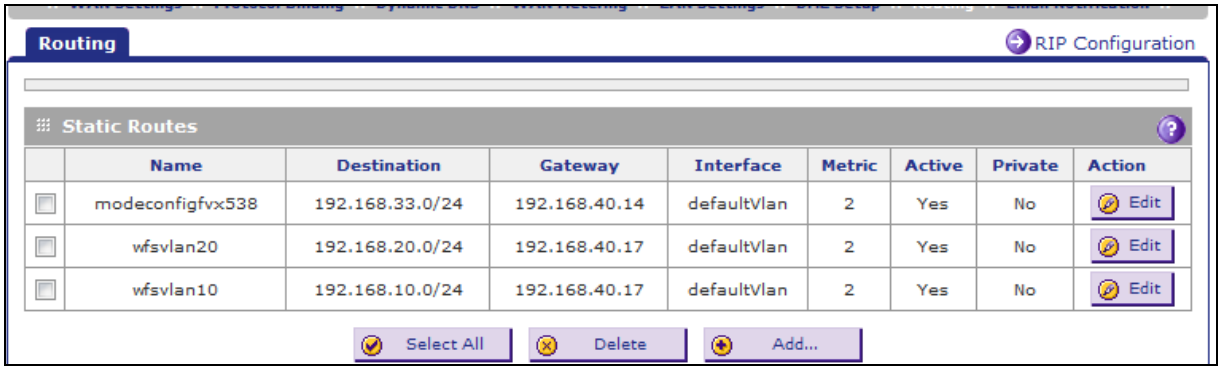


Configure PVID Settings-Port 3 to 8 with PVID 10, and Port 10 to 14 with PVID 20, PVID on Trunk ports 1, 2 and 9 are not relevant.



CONFIGURATION ON THE INTERNET ROUTER

Add two static Routes on your Router, and use the management IP address of the WFS709TP as the Gateway.



TROUBLESHOOTING STEPS

These steps apply to any SSID (any VLAN) in case the portal cannot be accessed.

– Disable Captive Portal Authentication as the advanced authentication method and test connection to the Internet

and

– Ensure routing to VLAN1 is possible

and

– Ensure DNS resolution is possible (there must be at least one active DNS between the client and the WAN side of the Internet router