CCNA ICND1 Lab9 - Layer 3 Switch and Proxy Server

Lab Tips: An enterprise LAN often uses private IP addresses. A private IP address must be translated to a public IP address before connecting to the Internet. When a layer 3 switch replaces a router, because the layer 3 switch does not have the NAT function, a proxy server is required. **Lab Requirements:** 1. Complete the configuration as the figure requires. 2. Segment the VLAN into two VLANs. Enable layer 3 routing. Specify a gateway for every VLAN. **Note:** 1. The CCNA lab does not require proxy server configuration. 2. PC configuration is omitted. **Lab Process:** P4S-R#configure terminal   / *Enter the VLAN database* P4S-R(vlan)#vlan 1 P4S-R(vlan)#name router1   / *Name vlan1 router1* P4S-R(vlan)#vlan 2 P4S-R(vlan)#name router2   / *Name vlan2 router2* P4S-R(vlan)#exit P4S-R(config)#ip routing   / *Enable the IP routing of the switch* P4S-R(config)#interface fastehternet0/2 P4S-R(config-if)#ip address 192.168.2.1 255.255.255.0 P4S-R(config-if)#no shutdown P4S-R(config-if)#exit P4S-R(config)#interface fastehternet0/1 P4S-R(config-if)#ip address 192.168.1.1 255.255.255.0 P4S-R(config-if)#no shutdown P4S-R(config-if)#exit P4S-R(config)#ip router 0.0.0.0 0.0.0.0 192.168.1.2 *Configure the static route*