

## 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
P4S-R(vlan)#vlan 2
P4S-R(vlan)#name
router2
P4S-R(vlan)#exit
P4S-R(config)#ip
routing
P4S-R(config)#interface fastethernet0/2
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 fastethernet0/1
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
```