L2 SEC

ISR4331
Router0

2960-24TT
Switch0

PC-PT
PC0

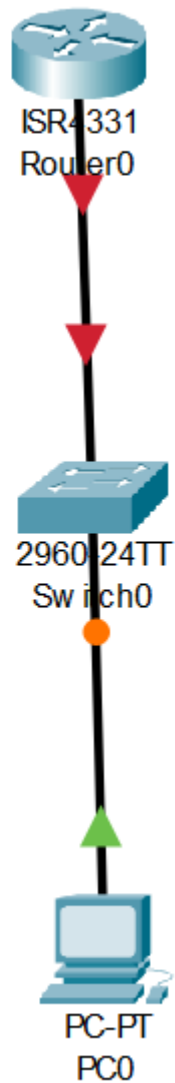## Step 1. DHCP Server on R1

R1

ip dhcp pool DHCP

　　　network [NetIP + mask of R1->Switch] 192.168.1.0 255.255.255.0

　　　default-router [net of R1->Switch] 192.168.1.1

Step 2; Dhcp snooping config

ip dhcp snooping vlan 1

no ip dhcp snooping information option

ip dhcp snooping

no cdp run

no vtp mode

interface Vlan1

      ip address dhcp

interface [S1->R1] Fe0/1

      ip dhcp snooping trust

interface [PC-S1] Fe0/3

      switchport mode access

      switchport nonegotiate

Step 3; Verify bingings

Try to get ip via dhcp and then : show ip dhcp snooping binding

If there is a binding then you are good

Step 4; Other features

Interface [PC-S1] Fe0/3

      switchport port-security maximum 2

      switchport port-security violation restrict

      switchport port-security mac-address sticky

      switchport port-security aging time 5

      switchport port-security

      spanning-tree bpduguard enable

      spanning-tree guard root

      ip verify source

```
ip arp inspection vlan 1

Interface [S1->R1] Fe 0/1

        ip arp inspection trust
```

Verify commands:

show ip dhcp snooping binding

show ip arp inspection

show ip verify source

show spanning-tree summary

show port-security