

Routing
Switching
Tigers
Forum



DHCP



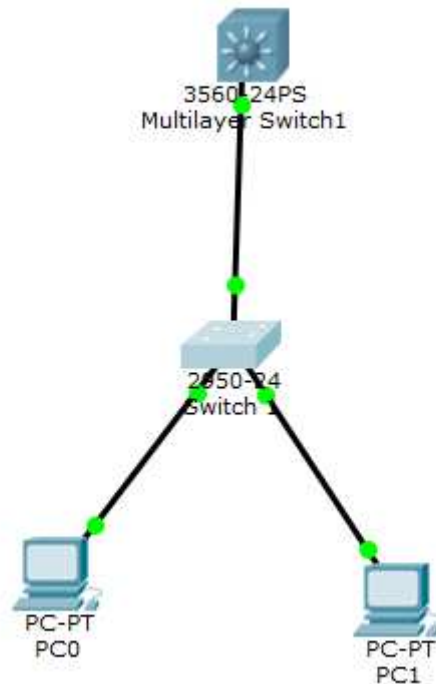
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DHCP Topology

Disclaimer

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Cisco IOS Software, Linux Software (I86BI_LINUX-ADVENTERPRISEK9-M), Version 15.2(4)M1, DEVELOPMENT TEST SOFTWARE



Lab created for RST Forum by: Yash Muni, Ritesh Gohil, Keval Patel

LAB 1: Configure DHCP

Task 1: Configure IPv4 DHCP

Step 1. In the configuration mode of router configure IPv4 DHCP by following command:

Multilayer Switch 1

```
interface fastethernet 0/1
switchport trunk encapsulation dot1q
switchport mode trunk
exit
vlan 100, 200
exit
interface vlan 100
ip address 100.0.0.1 255.255.255.0
interface vlan 200
ip address 200.0.0.1 255.255.255.0
```

ip dhcp pool VLAN0100

```
network 100.0.0.0 255.255.255.0
default-router 100.0.0.1
exit
```

ip dhcp pool VLAN0200

```
network 200.0.0.0 255.255.255.0
default-router 200.0.0.1
exit
```

Switch 1

```
interface fastethernet 0/1
switchport trunk encapsulation dot1q
switchport mode trunk
exit
interface fastethernet 0/2
switchport access vlan 100
switchport mode access
interface fastethernet 0/3
switchport access vlan 200
switchport mode access
```

Configure the HOST to obtain IP from DHCP.