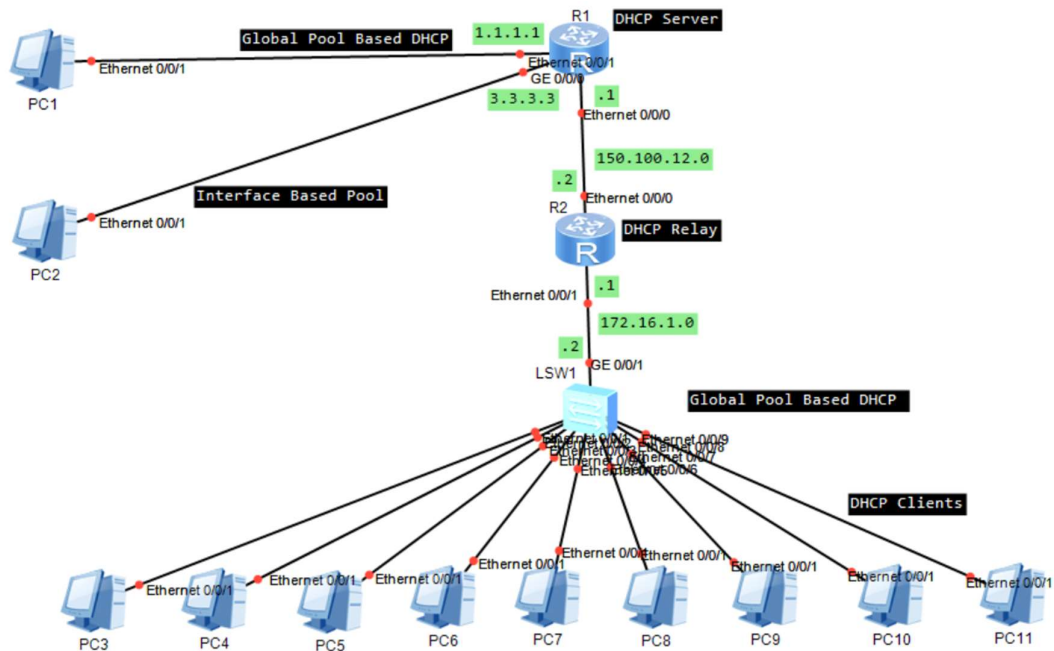


DHCP



Router 1 Configuration:

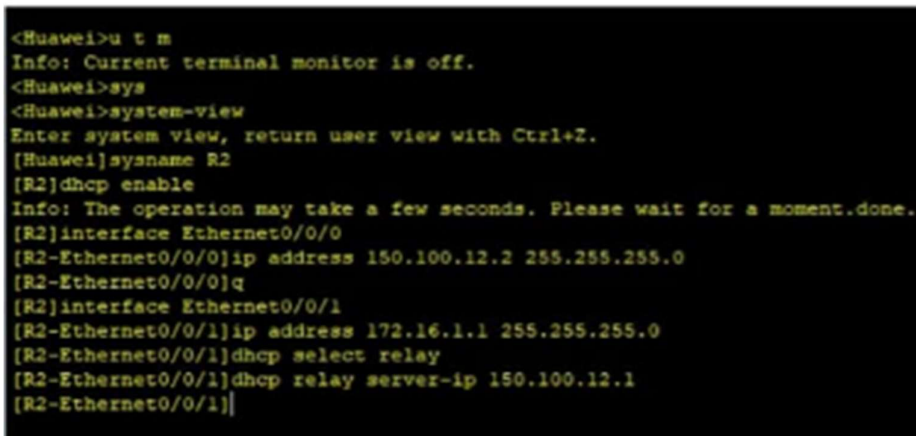
```

R1
The device is running!

<Huawei>u t m
Info: Current terminal monitor is off.
<Huawei>sys
<Huawei>system-view
Enter system view, return user view with Ctrl+Z.
[Huawei]sysname R1
[R1]dhcp enable
Info: The operation may take a few seconds. Please wait for a moment.done.
[R1]ip pool 1
Info:It's successful to create an IP address pool.
[R1-ip-pool-1]gateway-list 172.16.1.1
[R1-ip-pool-1]network 172.16.1.0 mask 255.255.255.0
[R1-ip-pool-1]dns-list 150.100.15.1 150.100.15.2
[R1-ip-pool-1]domain-name neduet.edu.pk
[R1-ip-pool-1]static-bind ip address 172.16.1.33 mac-address 5489-9860-572B
^
Error: Wrong parameter found at '^' position.
[R1-ip-pool-1]static-bind ip-address 172.16.1.33 mac-address 5489-9860-572B
[R1-ip-pool-1]q
[R1]ip pool 2
Info:It's successful to create an IP address pool.
[R1-ip-pool-2]gateway-list 1.1.1.1
[R1-ip-pool-2]network 1.1.1.0 mask 255.255.255.0
[R1-ip-pool-2]dns-list 1.1.1.1
[R1-ip-pool-2]q
[R1]interface eth
[R1]interface Ethernet0/0/0
[R1-Ethernet0/0/0]ip address 150.100.12.1 255.255.255.0
[R1-Ethernet0/0/0]dhcp select global
[R1-Ethernet0/0/0]q
[R1]interface Ethernet0/0/1
[R1-Ethernet0/0/1]ip address 1.1.1.1 255.255.255.0
[R1-Ethernet0/0/1]dhcp select global
[R1-Ethernet0/0/1]q
[R1]ip route-st
[R1]ip route-static 172.16.1.0 255.255.255.0 150.100.12.2
  
```

This screenshot captures the output of the display dhcp server ip-in-use command. It lists the IP addresses currently leased by the DHCP server along with corresponding MAC addresses and lease durations. This confirms successful DHCP operation and helps monitor active clients in the network.

Router 2 Configuration:



```
<Huawei>u t m
Info: Current terminal monitor is off.
<Huawei>sys
<Huawei>system-view
Enter system view, return user view with Ctrl+Z.
[Huawei]sysname R2
[R2]dhcp enable
Info: The operation may take a few seconds. Please wait for a moment.done.
[R2]interface Ethernet0/0/0
[R2-Ethernet0/0/0]ip address 150.100.12.2 255.255.255.0
[R2-Ethernet0/0/0]q
[R2]interface Ethernet0/0/1
[R2-Ethernet0/0/1]ip address 172.16.1.1 255.255.255.0
[R2-Ethernet0/0/1]dhcp select relay
[R2-Ethernet0/0/1]dhcp relay server-ip 150.100.12.1
[R2-Ethernet0/0/1]
```

This screenshot captures the output of the display dhcp server ip-in-use command. It lists the IP addresses currently leased by the DHCP server along with corresponding MAC addresses and lease durations. This confirms successful DHCP operation and helps monitor active clients in the network.