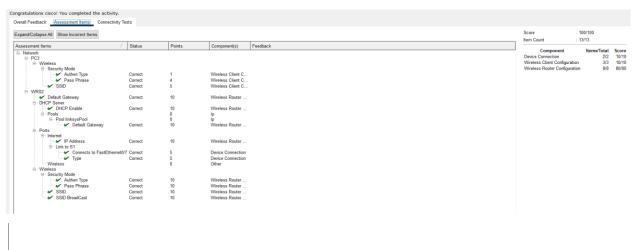
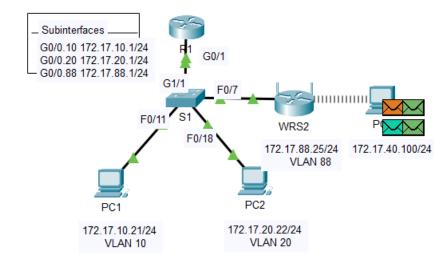
Task 1: Cấu hình mạng không dây

*KÉT QUẢ





Task 2: Cấu hình địa chỉ IP trên Router

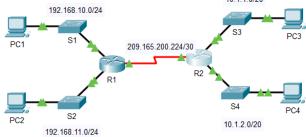
*KÉT OUẢ

```
Rl#show run
Building configuration...

Current configuration : 1314 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname Rl
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCil
!
!
!
!
!
!
!
!
!
```

```
Rl#show ip interface brief
                                     OK? Method Status
Interface
                     IP-Address
                                                                       Protocol
                   192.168.10.1 YES manual up
GigabitEthernet0/0
                                     YES manual up
GigabitEthernet0/1 192.168.11.1
                                                                        up
Serial0/0/0
                      209.165.200.225 YES manual up
                     unassigned YES unset administratively down down
Serial0/0/1
FastEthernet0/1/0
                    unassigned
                                     YES unset administratively down down
FastEthernet0/1/1
                     unassigned
                                     YES unset administratively down down
                                     YES unset administratively down down YES unset administratively down down
FastEthernet0/1/2
                      unassigned
                     unassigned
FastEthernet0/1/3
Vlanl
                      unassigned
                                     YES unset administratively down down
Rl#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
      E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       \star - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
D
    10.0.0.0/8 [90/2170112] via 209.165.200.226, 00:11:50, Serial0/0/0
    192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks
C
       192.168.10.0/24 is directly connected, GigabitEthernet0/0
        192.168.10.1/32 is directly connected, GigabitEthernet0/0
    192.168.11.0/24 is variably subnetted, 2 subnets, 2 masks
       192.168.11.0/24 is directly connected, GigabitEthernet0/1
       192.168.11.1/32 is directly connected, GigabitEthernet0/1
L
    209.165.200.0/24 is variably subnetted, 3 subnets, 3 masks
D
       209.165.200.0/24 is a summary, 00:22:35, Null0
С
       209.165.200.224/30 is directly connected, Serial0/0/0
L
       209.165.200.225/32 is directly connected, Serial0/0/0
```

```
R2#show run
      Building configuration ...
      Current configuration: 923 bytes
      version 15.1
      no service timestamps log datetime msec
      no service timestamps debug datetime msec
      service password-encryption
      hostname R2
      enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCil
      ip cef
      no ipv6 cef
R2#show ip interface brief
Interface
                       IP-Address
                                      OK? Method Status
Protocol
GigabitEthernet0/0
                       10.1.1.1
                                      YES manual up
                                                                          up
GigabitEthernet0/1
                       10.1.2.1
                                       YES manual up
                                                                          up
Serial0/0/0
                       209.165.200.226 YES manual up
Serial0/0/1
                       unassigned YES unset administratively down down
Vlanl
                       unassigned
                                        YES unset administratively down down
R2#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
      D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
      E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
      i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
    10.0.0.0/8 is variably subnetted, 5 subnets, 3 masks
       10.0.0.0/8 is a summary, 00:25:37, Null0
        10.1.1.0/24 is directly connected, GigabitEthernet0/0
        10.1.1.1/32 is directly connected, GigabitEthernet0/0
       10.1.2.0/24 is directly connected, GigabitEthernet0/1
        10.1.2.1/32 is directly connected, GigabitEthernet0/1
    192.168.10.0/24 [90/2170112] via 209.165.200.225, 00:36:22, Serial0/0/0
    192.168.11.0/24 [90/2170112] via 209.165.200.225, 00:30:53, Serial0/0/0
     209.165.200.0/24 is variably subnetted, 3 subnets, 3 masks
        209.165.200.0/24 is a summary, 00:25:37, Null0
        209.165.200.224/30 is directly connected, Serial0/0/0
        209.165.200.226/32 is directly connected, Serial0/0/0
 --More--
                                      10.1.1.0/20
          192 168 10 0/24
```



D

С

D D

D

С

Task 3: Áp dụng chia địa chỉ IP

- Chia địa chỉ 192.168.100.0.24 thành 8 mạng con

STT	Địa chỉ mạng	Địa chỉ đầu	Địa chỉ cuối	Địa chỉ Broadcast
0	192.168.100.0	192.168.100.1	192.168.100.30	192.168.100.31
1	192.168.100.32	192.168.100.33	192.168.100.62	192.168.100.63
2	192.168.100.64	192.168.100.65	192.168.100.94	192.168.100.95
3	192.168.100.96	192.168.100.97	192.168.100.126	192.168.100.127
4	192.168.100.128	192.168.100.129	192.168.100.158	192.168.100.159
5	192.168.100.160	192.168.100.161	192.168.100.190	192.168.100.191
6	192.168.100.192	192.168.100.193	192.168.100.222	192.168.100.223
7	192.168.100.224	192.168.100.225	192.168.100.254	192.168.100.255

- Gán Subnet 0 cho mạng LAN kết nối đến GigabitEthernet 0/0 interface của R1
- Gán Subnet 1 cho mạng LAN kết nối đến GigabitEthernet 0/1 interface của R1
- Gán Subnet 2 cho mạng LAN kết nối đến GigabitEthernet 0/0 interface of R2
- Gán Subnet 3 cho mạng LAN kết nối đến GigabitEthernet 0/1 interface of R2
- Gán Subnet 4 cho kết nối giữa R1 to R2

Sau khi gán mạng con, bảng địa chỉ sẽ như sau

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	G0/0	192.168.100.1	255.255.255.224	N/A
	G0/1	192.168.100.33	255.255.255.224	N/A
	S0/0/0	192.168.100.129	255.255.255.224	N/A
R2	G0/0	192.168.100.65	255.255.255.224	N/A
	G0/1	192.168.100.97	255.255.255.224	N/A
	S0/0/0	192.168.100.161	255.255.255.224	N/A
S1	VLAN 1	192.168.100.2	255.255.255.224	192.168.100.1
S2	VLAN 1	192.168.100.34	255.255.255.224	192.168.100.33
S3	VLAN 1	192.168.100.66	255.255.255.224	192.168.100.65
S4	VLAN 1	192.168.100.98	255.255.255.224	192.168.100.97
PC1	NIC	192.168.100.30	255.255.255.224	192.168.100.1
PC2	NIC	192.168.100.62	255.255.255.224	192.168.100.33
PC3	NIC	192.168.100.94	255.255.255.224	192.168.100.65
PC4	NIC	192.168.100.126	255.255.255.224	192.168.100.97

