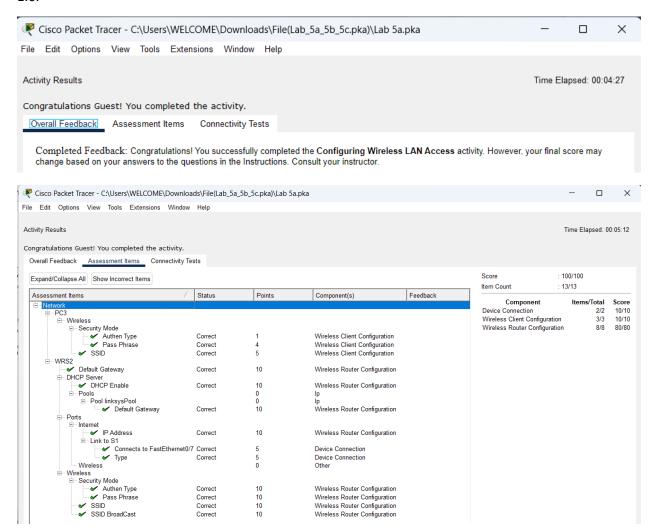
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MSSV: 21520722

BÁO CÁO LAB 5: CẤU HÌNH THIẾT BỊ MẠNG

Task 1.

1.6.

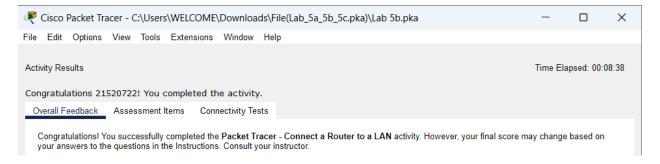


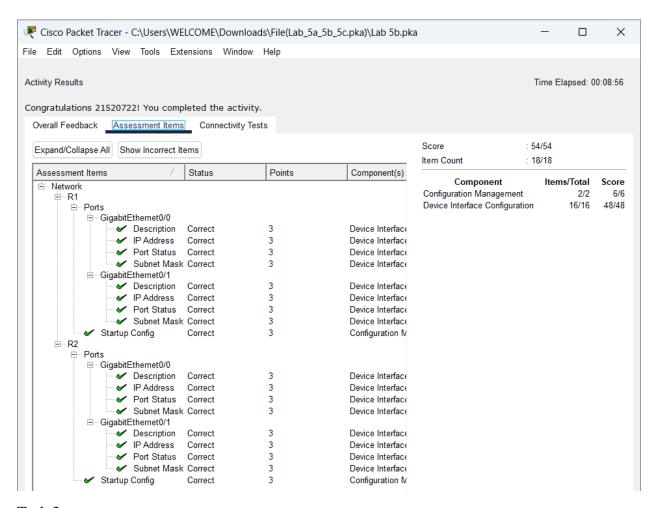
2.2.

```
R2#show run
Building configuration...
Current configuration: 923 bytes
                                               interface GigabitEthernet0/0
                                                ip address 10.1.1.1 255.255.255.0
version 15.1
                                                duplex auto
no service timestamps log datetime msec
                                                speed auto
no service timestamps debug datetime msec
service password-encryption
                                                interface GigabitEthernet0/1
                                                ip address 10.1.2.1 255.255.255.0
hostname R2
                                                duplex auto
                                                speed auto
                                               interface Serial0/0/0
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCil
                                                ip address 209.165.200.226 255.255.255.252
                                                interface Serial0/0/1
                                                no ip address
                                                clock rate 2000000
                                                shutdown
ip cef
                                                interface Vlanl
no ipv6 cef
                                                no ip address
                                                shutdown
                                               router eigrp 1
                                                network 10.0.0.0
license udi pid CISCO1941/K9 sn FTX1524E7C4
                                                network 209.165.200.0
                                                auto-summary
                                               ip classless
                                                ip flow-export version 9
                                               no cdp run
spanning-tree mode pvst
                                                line con 0
                                                password 7 0822455D0A16
                                                login
interface GigabitEthernet0/0
ip address 10.1.1.1 255.255.255.0
                                               line aux 0
duplex auto
                                                line vty 0 4
speed auto
                                                login
interface GigabitEthernet0/1
ip address 10.1.2.1 255.255.255.0
duplex auto
                                               end
speed auto
```

```
R2#show ip interface brief
                      IP-Address
Interface
                                      OK? Method Status
Protocol
GigabitEthernet0/0
                      10.1.1.1
                                      YES manual up
                                                                        up
GigabitEthernet0/1
                                      YES manual up
                      10.1.2.1
                                                                        up
                      209.165.200.226 YES manual up
Serial0/0/0
                                                                        up
Serial0/0/1
                      unassigned
                                      YES unset administratively down down
Vlan1
                                      YES unset administratively down down
                      unassigned
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, 00:04:34, 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
L
D
     192.168.10.0/24 [90/2170112] via 209.165.200.225, 00:06:52, Serial0/0/0
D
     192.168.11.0/24 [90/2170112] via 209.165.200.225, 00:06:29, Serial0/0/0
     209.165.200.0/24 is variably subnetted, 3 subnets, 3 masks
D
        209.165.200.0/24 is a summary, 00:04:34, Null0
С
        209.165.200.224/30 is directly connected, Serial0/0/0
        209.165.200.226/32 is directly connected, Serial0/0/0
L
```

2.3.





Task 3.

3.1.

Mỗi subnet có 25 host cần mượn 3 bit ở host id

Do đó ta có 2^3=8 mạng con

STT	Địa chỉ mạng	Địa chỉ đầu	Địa chỉ cuối	Địa chỉ Broadcast
0	192.168.100.0/27	192.168.100.1	192.168.100.30	192.168.100.31
1	192.168.100.32/27	192.168.100.33	192.168.100.62	192.168.100.63
2	2 192.168.100.64/27 1	192.168.100.65	192.168.100.94	192.168.100.95
3	192.168.100.96/27	192.168.100.97	192.168.100.126	192.168.100.127
4	192.168.100.128/27	192.168.100.129	192.168.100.158	192.168.100.159
5	192.168.100.160/27	192.168.100.161	192.168.100.190	192.168.100.191

6	192.168.100.192/27	192.168.100.193	192.168.100.222	192.168.100.223
7	192.168.100.224/27	192.168.100.225	192.168.100.254	192.168.100.255

Device	Interface	IP Address	Subnet Mask	Default Gateway
	G0/0	192.168.100.1	255.255.255.224	N/A
R1	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
	G0/0	192.168.100.65	255.255.255.224	N/A
R2	G0/1	192.168.100.97	255.255.255.224	N/A
	S0/0/0	192.168.100.158	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

