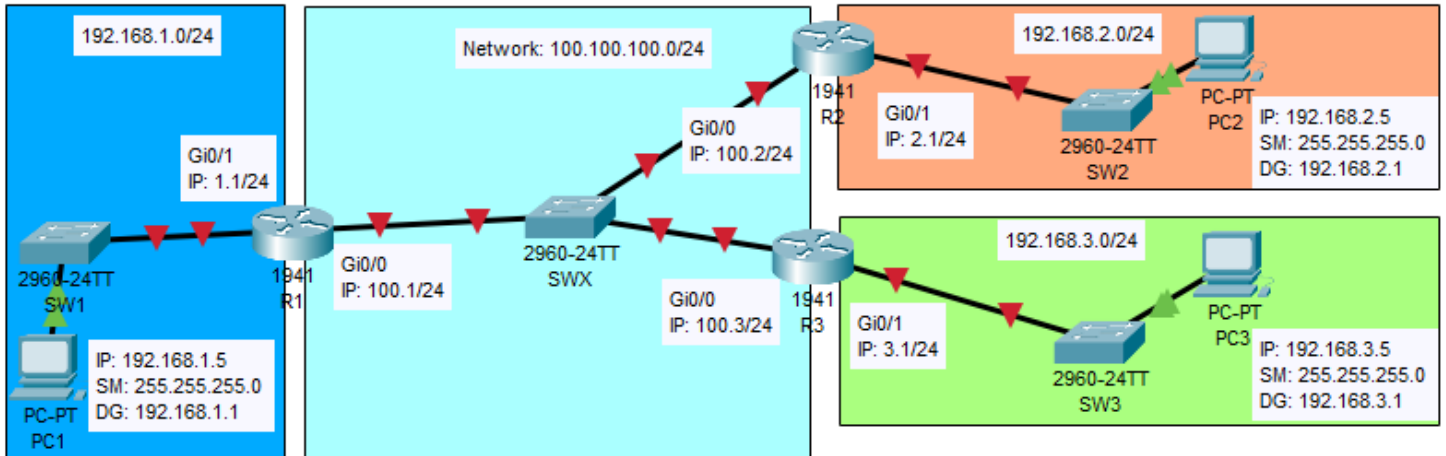# Ağ Yöneticileri Derneği
CCNA2 LAB 12 - PROJE ÇÖZÜMÜ

IPv4 Statik Rota Uygulaması

// R1 Router Yapılandırması

Router> **enable**
Router# **conf t**
Router(config)# **hostname R1**
R1(config)# **int Gi 0/1**
R1(config-if)# **ip address 192.168.1.1 255.255.255.0** //Gi 0/1 portuna IP adresi atandı.
R1(config-if)# **no shutdown**
R1(config-if)# **exit**

R1(config)# **int Gi 0/0**
R1(config-if)# **ip address 100.100.100.1 255.255.255.0** //Gi 0/0 portuna IP adresi atandı.
R1(config-if)# **no shutdown**
R1(config-if)# **exit**

R1(config)# **ip route 192.168.2.0 255.255.255.0 100.100.100.2** //Hedef Network'e doğru next-hop IP tanıtıldı.
R1(config)# **ip route 192.168.3.0 255.255.255.0 100.100.100.3** // Hedef Network'e doğru next-hop IP tanıtıldı.
R1(config)# **end**
R1# **copy running-config startup-config**

```
R1# show ip route
      Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B – BGP
      * - candidate default,

      Gateway of last resort is not set

      100.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C     100.100.100.0/24 is directly connected, GigabitEthernet0/0
L     100.100.100.1/32 is directly connected, GigabitEthernet0/0
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C     192.168.1.0/24 is directly connected, GigabitEthernet0/1
L     192.168.1.1/32 is directly connected, GigabitEthernet0/1
S     192.168.2.0/24 [1/0] via 100.100.100.2
S     192.168.3.0/24 [1/0] via 100.100.100.3
```

//R2 Router Yapılandırması

```
Router> enable
Router# conf t
Router(config)# hostname R2
R2(config)# int Gi 0/0
R2(config-if)# ip address 100.100.100.2 255.255.255.0      //Gi 0/0 portuna IP adresi atandı.
R2(config-if)# no shutdown
R2(config-if)# exit

R2(config)# int Gi 0/1
R2(config-if)# ip address 192.168.2.1 255.255.255.0        //Gi 0/1 portuna IP adresi atandı.
R2(config-if)# no shutdown
R2(config-if)# exit

R2(config)# ip route 192.168.1.0 255.255.255.0 100.100.100.1   // Hedef Network'e doğru next-hop IP tanıtıldı.
R2(config)# ip route 192.168.3.0 255.255.255.0 100.100.100.3   // Hedef Network'e doğru next-hop IP tanıtıldı.

R2(config)# exit
```

```
R2# show ip route
    Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B – BGP
    * - candidate default,

    Gateway of last resort is not set

    100.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C   100.100.100.0/24 is directly connected, GigabitEthernet0/0
L   100.100.100.2/32 is directly connected, GigabitEthernet0/0
S   192.168.1.0/24 [1/0] via 100.100.100.1
    192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C   192.168.2.0/24 is directly connected, GigabitEthernet0/1
L   192.168.2.1/32 is directly connected, GigabitEthernet0/1
S   192.168.3.0/24 [1/0] via 100.100.100.3
```

//R3 Router Yapılandırması

```
Router> enable
Router# conf t
Router(config)# hostname R3
R3(config)# int Gi 0/0
R3(config-if)# ip address 100.100.100.3 255.255.255.0      //Gi 0/0 portuna IP adresi atandı.
R3(config-if)# no sh
R3(config-if)# exit

R3(config)# int Gi 0/1
R3(config-if)# ip address 192.168.3.1 255.255.255.0        //Gi 0/1 portuna IP adresi atandı.
R3(config-if)# no sh
R3(config-if)# exit

R3(config)# ip route 192.168.1.0 255.255.255.0 100.100.100.1   // Hedef Network'e doğru next-hop IP tanıtıldı.
R3(config)# ip route 192.168.2.0 255.255.255.0 100.100.100.2   // Hedef Network'e doğru next-hop IP tanıtıldı.
R3(config)# exit
```

R3# **show ip route**

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B – BGP

* - candidate default,

Gateway of last resort is not set

100.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 100.100.100.0/24 is directly connected, GigabitEthernet0/0
L 100.100.100.3/32 is directly connected, GigabitEthernet0/0
S 192.168.1.0/24 [1/0] via 100.100.100.1
S 192.168.2.0/24 [1/0] via 100.100.100.2
192.168.3.0/24 is variably subnetted, 2 subnets, 2 masks
C 192.168.3.0/24 is directly connected, GigabitEthernet0/1
L 192.168.3.1/32 is directly connected, GigabitEthernet0/1

//PC1 Bağlantı testi
 C:\> **ping 192.168.2.5**

Request timed out.
Request timed out.
Reply from 192.168.2.5: bytes=32 time=1ms TTL=126
Reply from 192.168.2.5: bytes=32 time<1ms TTL=126

C:\> **ping 192.168.3.5**

Request timed out.
Request timed out.
Reply from 192.168.3.5: bytes=32 time<1ms TTL=126
Reply from 192.168.3.5: bytes=32 time=1ms TTL=126