

RIP (ROUTING INFORMATION PROTOCOL)

Router a bağlı networkleri yazıyoruz. (router ın bildiği, directly connected, Show ip route C çıkan)

```
Router(config)#router rip
Router(config-router)#network <Network ID>
```

```
R1(config)#router rip
R1(config-router)#network 192.168.5.0
R1(config-router)#network 172.16.1.0
```

Ripv2 de alt ağ maskesi de girilir

```
R1(config)#router rip
R1(config)# version 2
R1(config-router)#network 192.168.5.0 255.255.255.0
```

OSPF (OPEN SHORTEST PATH FIRST)

```
Router(config)#router ospf <OSPF Process number>
Router(config-router)#network <Network ID> <Wild Card Mask> area <Area number>
```

Wildcard mask alt ağ maskesinin tersi (255.0.0.0 0.255.255.255 şeklinde bir wildcard mask a sahiptir)

```
R1(config)#router ospf 1
R1(config-router)#network 10.0.0.0 0.255.255.255 area 0
R1(config-router)#network 20.0.0.0 0.255.255.255 area 0
```

DHCP

Router(config)#ip dhcp pool mypool //pool'a bir isim verdik

Router(dhcp-config)#network 192.168.1.0 255.255.255.0 //IP dağıtılacak network

Router(dhcp-config)#default-router 192.168.1.1 // gateway IP

Router(config)#ip dhcp excluded-address 192.168.1.1 192.168.1.10 //dağıtılmayacak IP aralığı

Router# show ip dhcp binding //DHCP ile dağıtılan IP'lere bakma