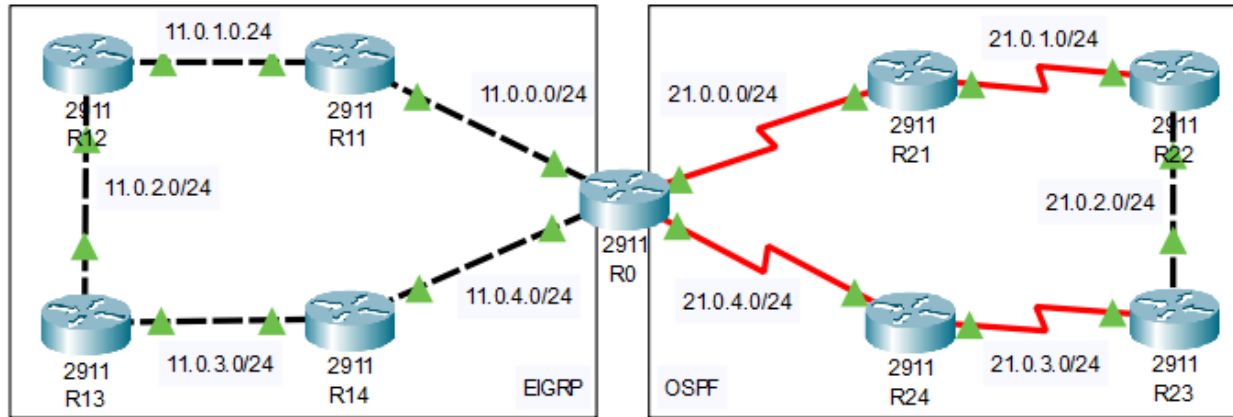


**Goal.** Use the provided PKT file and configure it with a goal that all-to-all connectivity shall be established within given network.

1. Configure EIGRP in the left part of the topology.
2. Configure OSPF in the left part of the topology.
3. Redistribute the routes between the two networks.



### 1. EIGRP configuration

```
R0(config)#router eigrp 1
R0(config-router)#no auto-summary
R0(config-router)#network 11.0.0.0 0.0.0.255
R0(config-router)#network 11.0.4.0 0.0.0.255

R11(config)#router eigrp 1
R11(config-router)#no auto-summary
R11(config-router)#network 11.0.0.0 0.0.0.255
R11(config-router)#network 11.0.1.0 0.0.0.255

R12(config)#router eigrp 1
R12(config-router)#no auto-summary
R12(config-router)#network 11.0.1.0 0.0.0.255
R12(config-router)#network 11.0.2.0 0.0.0.255

R13(config)#router eigrp 1
R13(config-router)#no auto-summary
R13(config-router)#network 11.0.2.0 0.0.0.255
R13(config-router)#network 11.0.3.0 0.0.0.255

R14(config)#router eigrp 1
R14(config-router)#no auto-summary
R14(config-router)#network 11.0.3.0 0.0.0.255
R14(config-router)#network 11.0.4.0 0.0.0.255
```

### 2. OSPF configuration – *this is already configured in the provided .PKT file*

```
R0(config)#router ospf 1
R0(config-router)#network 21.0.0.0 0.0.0.255 area 0
R0(config-router)#network 21.0.4.0 0.0.0.255 area 0
```

```
R21(config)#router ospf 1
R21(config-router)#network 21.0.0.0 0.0.0.255 area 0
R21(config-router)#network 21.0.1.0 0.0.0.255 area 0
```

```
R22(config)#router ospf 1
R22(config-router)#network 21.0.1.0 0.0.0.255 area 0
R22(config-router)#network 21.0.2.0 0.0.0.255 area 0
```

```
R23(config)#router ospf 1
R23(config-router)#network 21.0.2.0 0.0.0.255 area 0
R23(config-router)#network 21.0.3.0 0.0.0.255 area 0
```

```
R24(config)#router ospf 1
R24(config-router)#network 21.0.3.0 0.0.0.255 area 0
R24(config-router)#network 21.0.4.0 0.0.0.255 area 0
```

### 3. Redistribution – translate EIGRP routes to OSPF

```
R0(config)#router ospf 1
R0(config-router)#redistribute eigrp 1 subnets
```

***“subnets” is to make sure that the classless subnets get redistributed as well***

### 3. Redistribution – translate OSPF routes to EIGRP

```
R0(config)#router eigrp 1
R0(config-router)#redistribute ospf 1 metric 10000 10 255 10 1500
```

***10000 – lowest bandwidth link, 10.000 is the default***  
***10 – delay in packet traversal through the network, 10 (faster) or 100 (slower) are recommended***  
***255 – reliability (e.g. how often do the links fail), 255 = 100 percent reliable***  
***10 – load, how saturated is the link***  
***1500 – Maximum Transmission Unit, 1500B is the default***