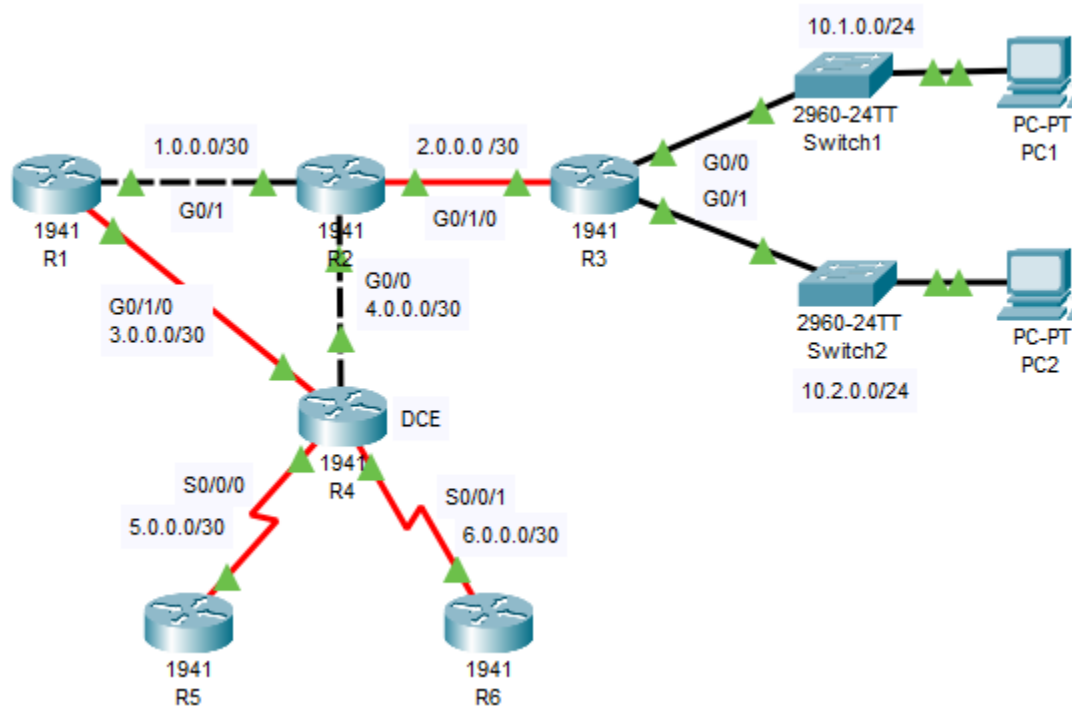


**Goal.** Use the provided PKT file and configure it with a goal that all-to-all connectivity shall be established within given network.

1. OSPF in Area 0 on all routers in the network.
2. Configure the "passive interfaces"



## 1. OSPF

### R1

```
R1(config)#router ospf 1
R1(config-router)#network 1.0.0.0 0.0.0.3 area 0
R1(config-router)#network 3.0.0.0 0.0.0.3 area 0
```

### R2

```
R2(config)#router ospf 1
R2(config-router)#network 1.0.0.0 0.0.0.3 area 0
R2(config-router)#network 2.0.0.0 0.0.0.3 area 0
R2(config-router)#network 4.0.0.0 0.0.0.3 area 0
```

### R3

```
R3(config)#router ospf 1
R3(config-router)#network 1.0.0.0 0.0.0.3 area 0
R3(config-router)#network 10.1.0.0 0.0.0.255 area 0
R3(config-router)#network 10.2.0.0 0.0.0.255 area 0
```

**R4**

```
R4(config)#router ospf 1
R4(config-router)#network 3.0.0.0 0.0.0.3 area 0
R4(config-router)#network 4.0.0.0 0.0.0.3 area 0
R4(config-router)#network 5.0.0.0 0.0.0.3 area 0
R4(config-router)#network 6.0.0.0 0.0.0.3 area 0
```

**R5**

```
R5(config)#router ospf 1
R5(config-router)#network 5.0.0.0 0.0.0.3 area 0
```

**R6**

```
R6(config)#router ospf 1
R6(config-router)#network 6.0.0.0 0.0.0.3 area 0
```

**2. Passive interfaces**

```
R3(config)#router ospf 1
R3(config-if)#passive-interface GigabitEthernet 0/0
R3(config-if)#passive-interface GigabitEthernet 0/1
```