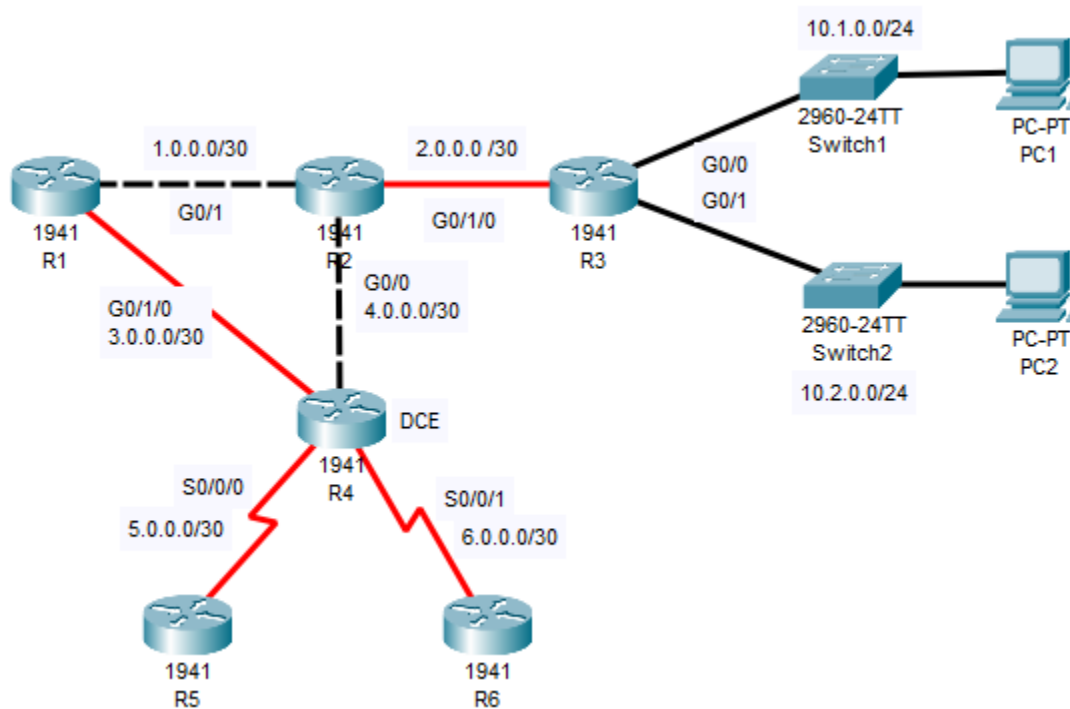


Goal. Enable all-to-all connectivity. Use the provided PKT file and configure the following:

1. Hostnames on all devices according to the diagram.
2. Interfaces on routers with IP addresses.
3. IP addresses on PCs.
4. Static default routes.
5. Other static routes.



1. Hostnames

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
```

2. Router interfaces and IPs

Serial at the DCE side

```
R4(config)#interface Serial 0/0/0
R4(config-if)#clock rate 4000000
R4(config-if)#ip address 5.0.0.1 255.255.255.252
R4(config-if)#no shutdown
```

Serial at the DTE side

```
R5(config)#interface Serial 0/0/0
R5(config-if)#ip address 5.0.0.2 255.255.255.252
R5(config-if)#no shutdown
```

All other (Ethernet) interfejsi

```
R1(config)#interface GigabitEthernet 0/1
R1(config-if)#ip address 1.0.0.1 255.255.255.252
R1(config-if)#no shutdown
```

3. IP addresses on PCs

1. Click on PC1.
2. „Desktop“ tab -> „IP Configuration“ icon.
3. Configure the PC IP address, and the Gateway IP address.

4. Static default routes

```
R3(config)#ip route 0.0.0.0 0.0.0.0 GigabitEthernet 0/1/0
R5(config)#ip route 0.0.0.0 0.0.0.0 Serial 0/0/0
R6(config)#ip route 0.0.0.0 0.0.0.0 Serial 0/0/1
```

5. Other static routes

```
R1(config)#ip route 2.0.0.0 255.255.255.252 G0/1 10
R1(config)#ip route 2.0.0.0 255.255.255.252 G0/1/0 20
R1(config)#ip route 10.1.0.0 255.255.255.0 G0/1
R1(config)#ip route 10.2.0.0 255.255.255.0 G0/1
R1(config)#ip route 4.0.0.0 255.255.255.252 G0/1
R1(config)#ip route 5.0.0.0 255.255.255.252 G0/1/0
R1(config)#ip route 6.0.0.0 255.255.255.252 G0/1/0
```

```
R2(config)#ip route 10.1.0.0 255.255.255.0 G0/1/0
R2(config)#ip route 10.2.0.0 255.255.255.0 G0/1/0
R2(config)#ip route 3.0.0.0 255.255.255.252 G0/0
R2(config)#ip route 5.0.0.0 255.255.255.252 G0/0
R2(config)#ip route 6.0.0.0 255.255.255.252 G0/0
```

```
R4(config)#ip route 1.0.0.0 255.255.255.252 G0/0
R4(config)#ip route 2.0.0.0 255.255.255.252 G0/0
R4(config)#ip route 10.1.0.0 255.255.255.0 G0/0
R4(config)#ip route 10.2.0.0 255.255.255.0 G0/0
```