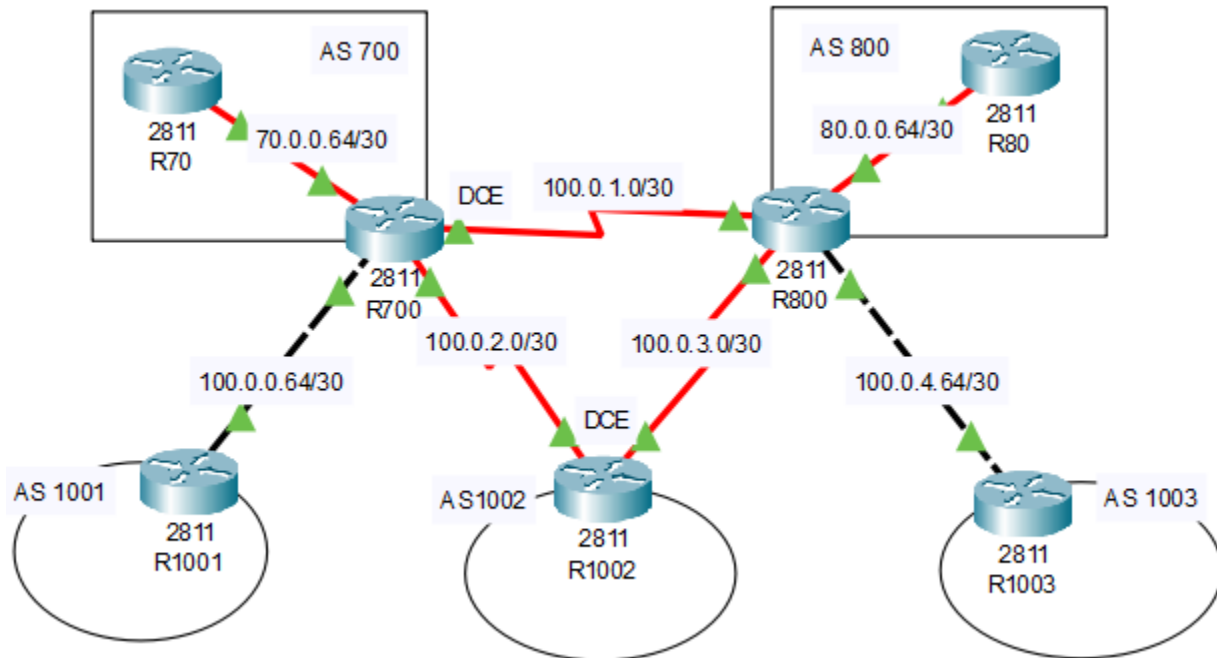


Goal. Use the provided PKT file and configure it with a goal that all-to-all connectivity shall be established within given network.

1. Static routing inside Autonomous Systems (where needed)
2. BGP



1. Static routing

AS 700

```
R70(config)#ip route 0.0.0.0 0.0.0.0 70.0.0.66
```

AS 800

```
R80(config)#ip route 0.0.0.0 0.0.0.0 80.0.0.66
```

2. BGP

R700

```
R700(config)#router bgp 700
```

```
R700(config-router)#network 100.0.0.64 mask 255.255.255.252
```

```
R700(config-router)#network 100.0.1.0 mask 255.255.255.252
```

```
R700(config-router)#network 100.0.2.0 mask 255.255.255.252
```

```
R700(config-router)#neighbor 100.0.0.66 remote-as 1001
```

```
R700(config-router)#neighbor 100.0.1.2 remote-as 800
```

```
R700(config-router)#neighbor 100.0.2.2 remote-as 1002
```

```
R700(config-router)#network 70.0.0.64 mask 255.255.255.252
```

R800

```
R800(config)#router bgp 800

R800(config-router)#network 100.0.1.0 mask 255.255.255.252
R800(config-router)#network 100.0.3.0 mask 255.255.255.252
R800(config-router)#network 100.0.4.64 mask 255.255.255.252

R800(config-router)#neighbor 100.0.1.1 remote-as 700
R800(config-router)#neighbor 100.0.3.2 remote-as 1002
R800(config-router)#neighbor 100.0.4.66 remote-as 1003

R800(config-router)#network 80.0.0.64 mask 255.255.255.252
```

R1001

```
R1001(config)#router bgp 1001

R1001(config-router)#network 100.0.0.64 mask 255.255.255.252

R1001(config-router)#neighbor 100.0.0.65 remote-as 700
```

R1002

```
R1002(config)#router bgp 1002

R1002(config-router)#network 100.0.2.0 mask 255.255.255.252
R1002(config-router)#network 100.0.3.0 mask 255.255.255.252

R1002(config-router)#neighbor 100.0.2.1 remote-as 700
R1002(config-router)#neighbor 100.0.3.1 remote-as 800
```

R1003

```
R1003(config)#router bgp 1003

R1003(config-router)#network 100.0.4.64 mask 255.255.255.252

R1003(config-router)#neighbor 100.0.4.65 remote-as 800
```