

Sr. No.	Device	Interface	IP Address
1	Router1	Fa0/1	10.0.0.1/8
		S1/0	192.168.1.1/24
2	Router2	S1/0	192.168.1.2/24
		Fa0/0	20.0.0.1/8
		Fa0/1	150.150.150.1/24
3	Router3	Fa0/1	150.150.150.2/24
4	Switch1	N/A	N/A
5	Switch2	N/A	N/A
6	PC0	Fa0	10.0.0.2/8
7	PC1	Fa0	10.0.0.3/8
8	PC2	Fa0	20.0.0.2/8
9	PC3	Fa0	20.0.0.3/8

Syntax

```
Router(config)#router ospf <process id 1-65535>
Router(config-router)#network <network address> <wild card mask>
area <0-4294967295>
```

1. Move on to **Router1** and execute the following commands to specify the OSPF network and area.

```
2. Router1(config)#router ospf 200
3. Router1(config-router)#network 10.0.0.0 0.255.255.255
   area 0
4. Router1(config-router)#network 192.168.1.0 0.0.0.255
   area 0.0.0.0
   Router1(config-router)#exit
```

To verify and test the OSPF configuration, execute the following commands on any router and review the output of each command.

To view the OSPF neighbor routers, execute the following command.

```
Router#show ip ospf neighbor
```

To view the OSPF border routers, execute the following command.

```
Router#show ip ospf border-routers
```