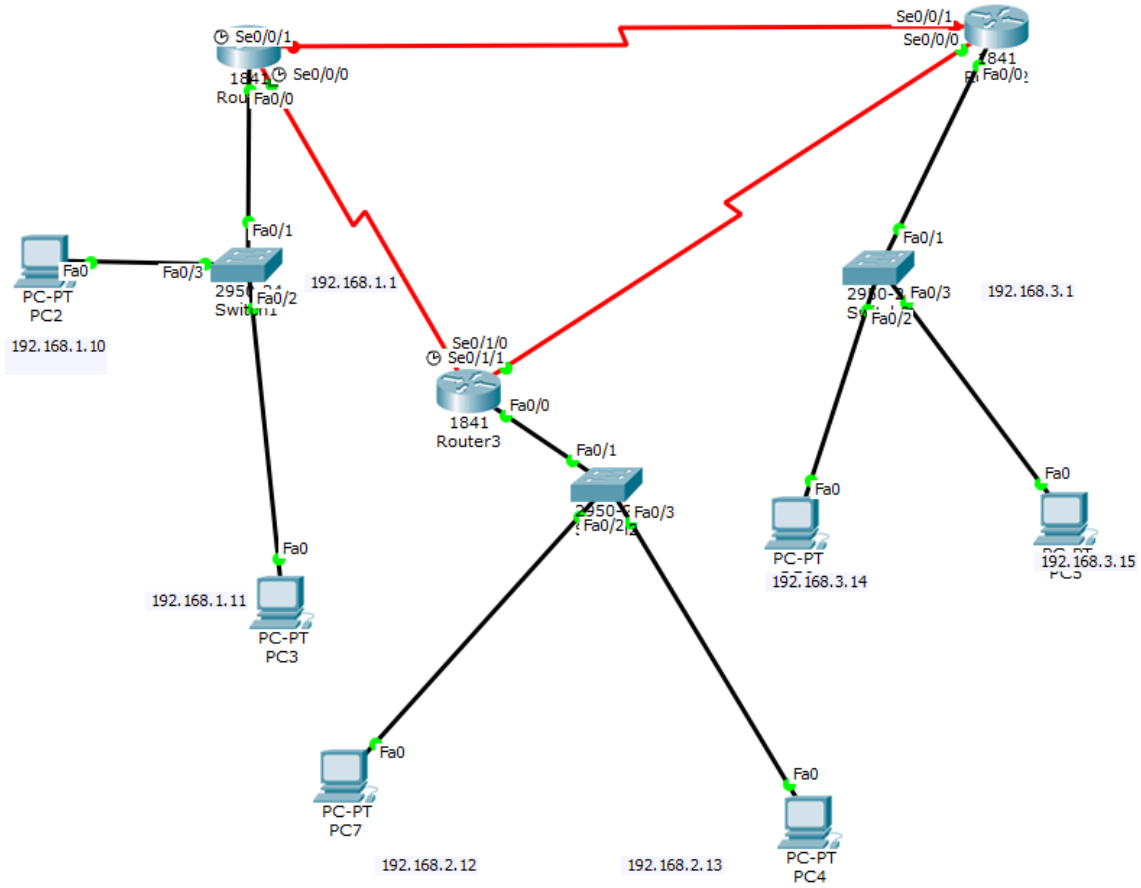


## Configure OSPF routing protocol



```
Continue with configuration dialog? [yes/no]: n0
% Please answer 'yes' or 'no'.
Continue with configuration dialog? [yes/no]:
% Please answer 'yes' or 'no'.
Continue with configuration dialog? [yes/no]:
% Please answer 'yes' or 'no'.
Continue with configuration dialog? [yes/no]:
% Please answer 'yes' or 'no'.
Continue with configuration dialog? [yes/no]: no
```

Press RETURN to get started!

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R0
R0(config)#int Fa0/0
R0(config-if)#ip add 192.168.1.1 255.255.255.0
R0(config-if)#no shutdown

R0(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R0(config-if)#exit
R0(config)#int se0/0/0
R0(config-if)#ip add 10.0.0.1 255.0.0.0
R0(config-if)#clock rate 64000
R0(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
R0(config-if)#exit
R0(config)#int Se0/0/1
R0(config-if)#ip add 12.0.0.1 255.0.0.0
R0(config-if)#clock rate 64000
R0(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to down
R0(config-if)#exit
R0(config)#router ospf 1
^
% Invalid input detected at '^' marker.

R0(config)#router ospf 1
R0(config-router)#network 192.168.1.0 0.0.0.255
% Incomplete command.
R0(config-router)#network 192.168.1.0 0.0.0.255 area 0
R0(config-router)#network 10.0.0.0 0.255.255.255 area 0
R0(config-router)#network 12.0.0.0 0.255.255.255 area 0
R0(config-router)#exit
R0(config)#
R0(config)#exit
R0#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
bn#
```

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#int Fa0/0
R1(config-if)#ip add 192.168.2.1 255.255.255.0
R1(config-if)#
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R1(config-if)#int Se0/1/0
R1(config-if)#ip add 10.0.0.2 255.0.0.0
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up

R1(config-if)#int Se0/1/1
R1(config-if)#ip add 11.0.0.1 255.0.0.0
R1(config-if)#clock rate 64000
R1(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/1, changed state to down
R1(config-if)#exit
R1(config)#router ospf 1
R1(config-router)#network 192.168.2.0 0.0.0.255 area 0
R1(config-router)#network 10.0.0.0 0.255.255.255 area 0
R1(config-router)#network
% Incomplete command.
R1(config-router)#
00:26:47: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.1.1 on Serial0/1/0 from LOADING to FULL, Loading Done

R1(config-router)#network 11.0.0.0 0.255.255.255 area 0
R1(config-router)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
vr
Building configuration...
[OK]
R1#
%LINK-5-CHANGED: Interface Serial0/1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up


R1 con0 is now available
```

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: no

Press RETURN to get started!

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R2
R2(config)#int Fa0/0
R2(config-if)#ip add 192.168.3.1 255.255.255.0
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R2(config-if)#int Se0/0/0
R2(config-if)#ip add 11.0.0.2 255.0.0.0
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

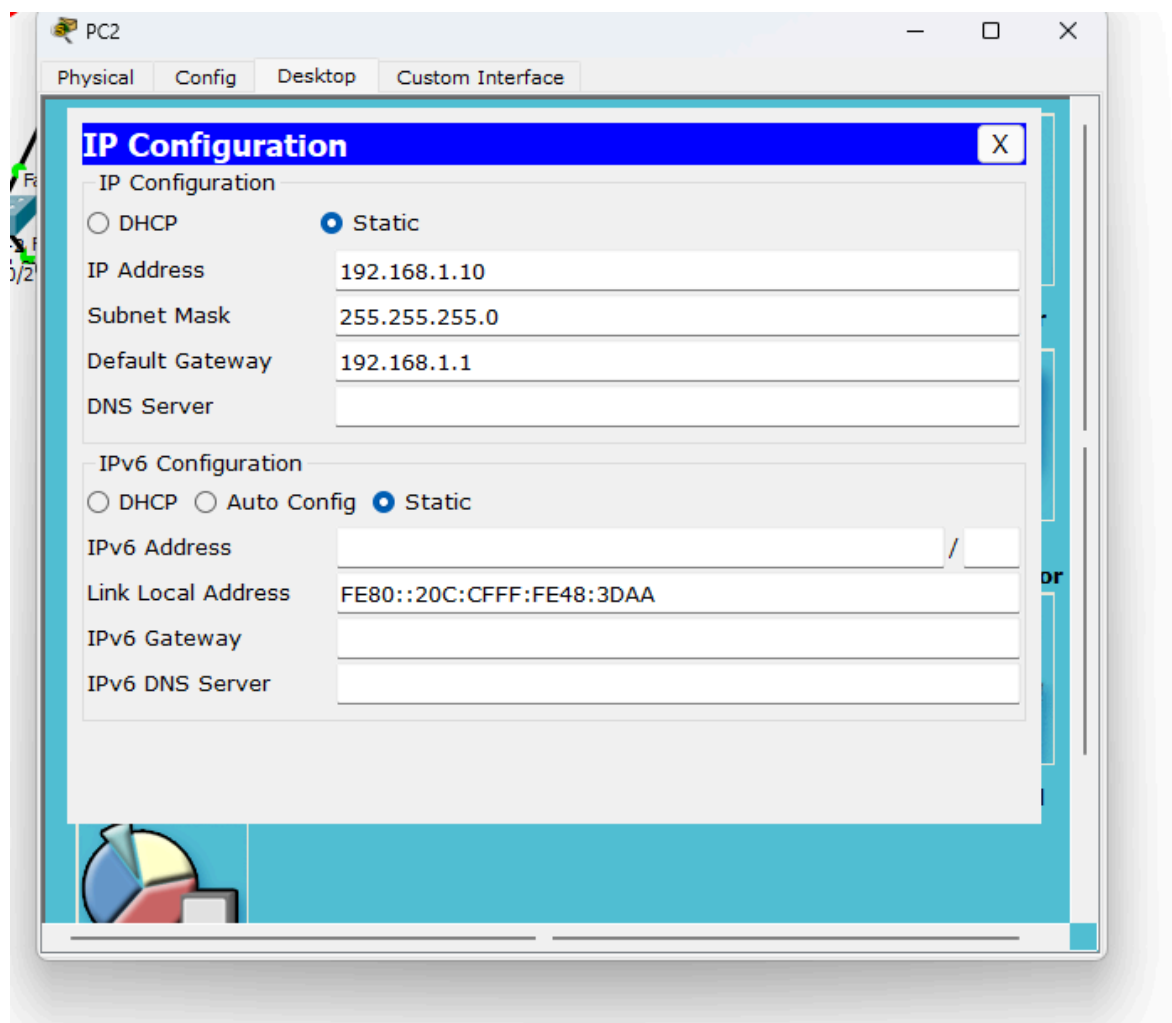
R2(config-if)#int
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
^
% Invalid input detected at '^' marker.

R2(config-if)#ip add 12.0.0.2 255.0.0.0
R2(config-if)#no shutdown
R2(config-if)#
R2(config-if)#router ospf 1
R2(config-router)#network 192.168.3.0 0.0.0.255 area 0
R2(config-router)#network 11.0.0.0 0.255.255.255 area 0
R2(config-router)#network 12.0.0
^
% Invalid input detected at '^' marker.

R2(config-router)#network 12.0.0.0 0.255.255.255 area 0
R2(config-router)#exit
R2(config)#exit
R2#
%SYS-5-CONFIG_I: Configured from console by console

R2#wr
Building configuration...
[OK]
R2#
```

---



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC2	PC3	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC7	PC4	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC6	PC5	ICMP		0.000	N	2	(edit)	(delete)
	Successful	Router3	PC2	ICMP		0.000	N	3	(edit)	(delete)