Configuración OSPF

Router 13

```
Router>enable
Router#config t
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 10.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown

Router(config)#interface serial 0/0/1
Router(config-if)#ip address 60.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown

Router(config)#interface serial 0/1/0
Router(config-if)#ip address 40.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router ospf 2
Router(config-router)#ne
Router(config-router)#net
Router(config-router)#network 100.0.0.0 0.0.0.255 area 2
Router(config-router)#network 10.0.0.0 0.0.0.255 area 2
Router(config-router)#network 40.0.0.0 0.0.0.255 area 2
Router(config-router)#network 60.0.0.0 0.0.0.255 area 2
Router(config-router)#
04:10:27: %OSPF-5-ADJCHG: Process 2, Nbr 80.0.0.2 on Serial0/0/1 from LOADING to
FULL, Loading Done
```

Router 15

```
Router>enable
Router#configure t
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 10.0.0.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit

Router(config)#interface serial 0/1/0
Router(config-if)#ip address 70.0.0.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
```

Router(config)#interface serial 0/0/1
Router(config-if)#ip address 20.0.0.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit

Router 16

Router>enable
Router#config t
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 20.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
Router(config-if)#exit

Router(config)#interface serial 0/0/1
Router(config-if)#ip address 80.0.0.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit

Router(config)#interface serial 0/1/0
Router(config-if)#ip address 30.0.0.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit

Router 17

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface serial 0/0/1
Router(config-if)#ip address 60.0.0.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit

Router(config)#interface serial 0/1/1
Router(config-if)#ip address 70.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
Router(config-if)#exit

Router(config)#interface serial 0/1/0
Router(config-if)#ip address 80.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
Router(config-if)#exit

```
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 50.0.0.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router o
Router(config)#router ospf 2
Router(config-router)#netw
Router(config-router)#network 60.0.0.0 0.0.0.255 area 2
Router(config-router)#network 70.0.0.0 0.0.0.255 area 2
Router(config-router)#network 50.0.0.0 0.0.0.255 area 2
Router(config-router)#network 80.0.0.0 0.0.0.255 area 2
Router(config-router)#exit
Router(config)#
```

Router 14

```
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/1/0
Router(config-if)#ip addres
Router(config-if)#ip address 50.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh
Router(config-if)#no shutdown

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

Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up

Router(config-if)#exit
Router(config)#int s 0/1/1
Router(config-if)#ip address 30.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh
Router(config-if)#no shutdown

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

Router(config-if)#exit
```

Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up

Router(config)#int s 0/0/0
Router(config-if)#ip address 40.0.0.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router(config)#inte
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/0
Router(config-if)#ip address 90.0.0.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state
to up
exit
Router(config)#
Router(config)#int s 0/0/1
Router(config-if)#ip address 110.0.0.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to down
Router(config-if)#exit
Router(config)#int s 0/2/0
Router(config-if)#ip address 120.0.0.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/2/0, changed state to down
Router(config-if)#exit
Router(config)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#rpu
Router(config)#rou
Router(config)#router os
Router(config)#router ospf 2
Router(config-router)#net
Router(config-router)#network 40.0.0.0 0.0.0.255 area 2
Router(config-router)#network 30.0.0.0 0.0.0.255 area 2
Router(config-router)#
01:48:57: %OSPF-5-ADJCHG: Process 2, Nbr 100.0.0.2 on Serial0/0/0 from LOADING to
FULL, Loading Done
network 50.0.0.0 0.0.0.255 area 2
Router(config-router)#network 50.0.0.0 0.0.0.255 area 2
01:49:10: %OSPF-5-ADJCHG: Process 2, Nbr 80.0.0.2 on Serial0/1/0 frnetwork 90.0.0.0
0.0.0.255 area 2
Router(config-router)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router 10

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/0/1
Router(config-if)#ip address 110.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh
Router(config-if)#no shutdown

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config)#int s 0/0/0
Router(config-if)#ip address 130.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000

Router(config-if)#no sh
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#int s 0/1/0
Router(config-if)#ip address 140.0.0.2 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/1/1
Router(config-if)#ip addre
Router(config-if)#ip address 150.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh
Router(config-if)#no shutdown

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

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

Router#
%SYS-5-CONFIG_I: Configured from console by console

Router 11

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/1/1
Router(config-if)#ip address 120.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#nos sh
Router(config-if)#no sh
Router(config-if)#no shutdown

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up

Router(config)#int s 0/0/1
Router(config-if)#ip address 130.0.0.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
no sh
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config-if)#exit
Router(config)#int s 0/1/0
Router(config-if)#ip address 160.0.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 170.0.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#exit

Route 12

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/1/1
Router(config-if)#ip address 150.0.0.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/1, changed state to up
exit
Router(config)#i
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up
Router(config)#int s 0/0/1
Router(config-if)#ip address 160.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config)#int s 0/1/0
Router(config-if)#ip address 180.0.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 200.0.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#exit
Router(config)#

Router 8

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/0
Router(config-if)#ip address 210.0.0.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state
to up

Router(config-if)#
Router(config-if)#exit
Router(config)#int s 0/1/0
Router(config-if)#ip address 140.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

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

```
Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
int s 0/0/0
Router(config-if)#ip address 200.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

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

Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router(config-if)#exit
Router(config)#int s 0/1/1
Router(config-if)#ip address 190.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/1, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/1
Router(config-if)#ip address 220.0.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

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


Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router bgp 2
Router(config-router)#net
Router(config-router)#network 200.0.0.0 mask 255.255.255.0
Router(config-router)#network 210.0.0.0 mask 255.255.255.0
Router(config-router)#network 140.0.0.0 mask 255.255.255.0
Router(config-router)#network 190.0.0.0 mask 255.255.255.0
Router(config-router)#

Router(config-router)#neighbor 200.0.0.2 re
Router(config-router)#neighbor 200.0.0.2 remote-as 1
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 200.0.0.2 Up
```

Router 9

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/1/1
Router(config-if)#ip address 190.0.0.2 255.255.255.0
Router(config-if)#no sh

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up

Router(config)#int s 0/1/0
Router(config-if)#ip address 180.0.0.1 255.255.255.0
Router(config-if)#no sh

Router(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

Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 170.0.0.1 255.255.255.0
Router(config-if)#no sh

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

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

Router(config-if)#exit
Router(config)#int s 0/0/1
Router(config-if)#ip address 230.0.0.1 255.255.255.0
Not a valid host address - 230.0.0.1
Router(config-if)#ip address 10.10.0.1 255.255.255.0
Router(config-if)#no sh

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

Router 7

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/2/0
Router(config-if)#ip address 10.20.0.2 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/2/0, changed state to up

Router(config-if)#ex
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/2/0, changed state to u
Router(config-if)#exit
Router(config)#int s 0/1/1
Router(config-if)#ip address 10.10.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

Router(config-if)#
%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

Router(config-if)#exit
Router(config)#int s 0/0/1
Router(config-if)#ip address 10.30.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to down
Router(config-if)#exit
Router(config)#int s 0/1/0
Router(config-if)#ip address 10.100.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 10.60.0.2 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#exit
Router(config)#

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#rou
Router(config)#router ri
Router(config)#router rip
Router(config-router)#vers
Router(config-router)#version 2
Router(config-router)#net
Router(config-router)#network 10.40.0.0
Router(config-router)#network 10.80.0.0
Router(config-router)#network 10.50.0.0

Router 1

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int g
Router(config)#int gigabitEthernet 0/0
Router(config-if)#ip address 20.10.0.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state
to up

Router(config-if)#exit
Router(config)#int s 0/0/1
Router(config-if)#ip address 10.30.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config)#int s 0/1/0
Router(config-if)#ip address 10.9.0.2 255.255.255.0
Router(config-if)#clock 56000
^
% Invalid input detected at '^' marker.
Router(config-if)#clock rate 56000

Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 10.40.0.1 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#exit
Router(config)#

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#ver
Router(config-router)#version 2
Router(config-router)#netw
Router(config-router)#network 10.40.0.0
Router(config-router)#network 10.30.0.0
Router(config-router)#network 10.9.0.0
Router(config-router)#network 20.10.0.0
Router(config-router)#exit

Router 0

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/0/1
Router(config-if)#ip address 10.40.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

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

Router(config-if)#exit
Router(config)#int s
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
0/1/0
Router(config-if)#ip address 10.80.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/0
Router(config-if)#ip address 10.50.0.2 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Router(config-if)#exit
Router(config)# int g 0/0
Router(config-if)#ip address 20.30.0.2 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOW

Router 6

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/0/0
Router(config-if)#ip address 10.50.0.1 255.255.255.0
Router(config-if)#no sh

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router(config)#int s 0/1/0
Router(config-if)#ip address 10.70.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#int s 0/0/1
Router(config-if)#ip address 10.60.0.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no sh

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config)#int g 0/0
Router(config-if)#ip address 10.120.0.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#

Router 4

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int s 0/1/0
Router(config-if)#ip address 10.80.0.1 255.255.255.0
Router(config-if)#no sh

Router(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

Router(config-if)#exit
Router(config)#int s 0/1/1
Router(config-if)#ip address 10.90.0.1 255.255.255.0
Router(config-if)#no sh

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

Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up
int s 0/0/1
Router(config-if)#ip address 10.100.0.1 255.255.255.0

Router(config-if)#clock rate 56000
Router(config-if)#no sh

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

Router(config-if)#exit
Router(config)#int s
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
0/0/0
Router(config-if)#ip address 10.70.0.2 255.255.255.0
Router(config-if)#no sh

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

Router(config-if)#