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1902150006

Verification of ospf

Router2

Physical Config CLI Attributes

IOS Command Line Interface

```
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
area
        * - candidate default, U - per-user static route, o - ODR
        P - periodic downloaded static route

Gateway of last resort is not set

O    1.0.0.0/8 [110/129] via 3.0.0.1, 00:04:42, Serial0/0/0
O    2.0.0.0/8 [110/128] via 3.0.0.1, 00:04:42, Serial0/0/0
C    3.0.0.0/8 is directly connected, Serial0/0/0
C    4.0.0.0/8 is directly connected, FastEthernet0/0

Router#show ip ospf neighbor

Neighbor ID    Pri   State           Dead Time   Address        Interface
3.0.0.1        0     FULL/ -         00:00:35    3.0.0.1        Serial0/0/0
Router#
```

Ctrl+F6 to exit CLI focus

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☐ Top

Router1

PhysicalConfigCLIAttributes


IOS Command Line Interface

Router#  
Router#  
Router#  
Router#  
Router#  
Router#  
Router#  
Router#show ip route  
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP  
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area  
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2  
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP  
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter  
area  
\* - candidate default, U - per-user static route, o - ODR  
P - periodic downloaded static route  
  
Gateway of last resort is not set  
  
O 1.0.0.0/8 [110/65] via 2.0.0.1, 00:05:10, Serial0/0/0  
C 2.0.0.0/8 is directly connected, Serial0/0/0  
C 3.0.0.0/8 is directly connected, Serial0/1/0  
O 4.0.0.0/8 [110/65] via 3.0.0.2, 00:03:48, Serial0/1/0  
  
Router#show ip ospf neighbor  
  
Neighbor ID Pri State Dead Time Address Interface  
4.0.0.1 0 FULL/ - 00:00:38 3.0.0.2 Serial0/1/0  
2.0.0.1 0 FULL/ - 00:00:34 2.0.0.1 Serial0/0/0  
Router#

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☐ Top

 Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
       area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

C    1.0.0.0/8 is directly connected, FastEthernet0/0
C    2.0.0.0/8 is directly connected, Serial0/0/0
O    3.0.0.0/8 [110/128] via 2.0.0.2, 00:04:27, Serial0/0/0
O    4.0.0.0/8 [110/129] via 2.0.0.2, 00:03:08, Serial0/0/0

Router# show ip ospf neighbor

Neighbor ID    Pri   State           Dead Time   Address        Interface
3.0.0.1        0     FULL/ -         00:00:36    2.0.0.2        Serial0/0/0
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
```

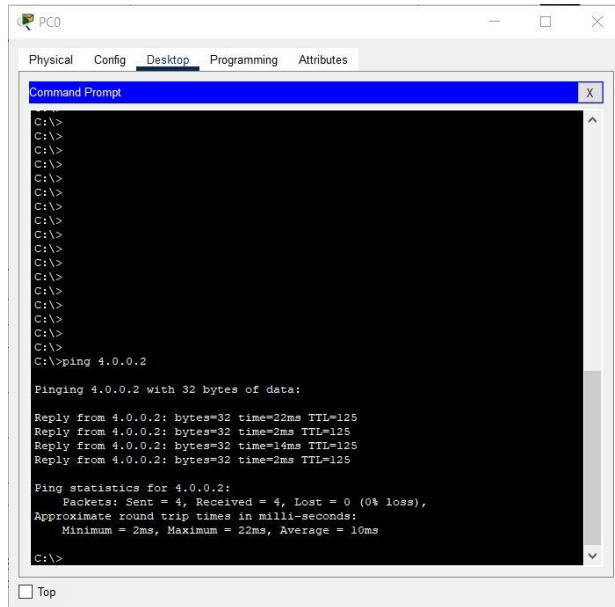
Ctrl+F6 to exit CLI focus

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☐ Top

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## Ping verification



PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 4.0.0.2

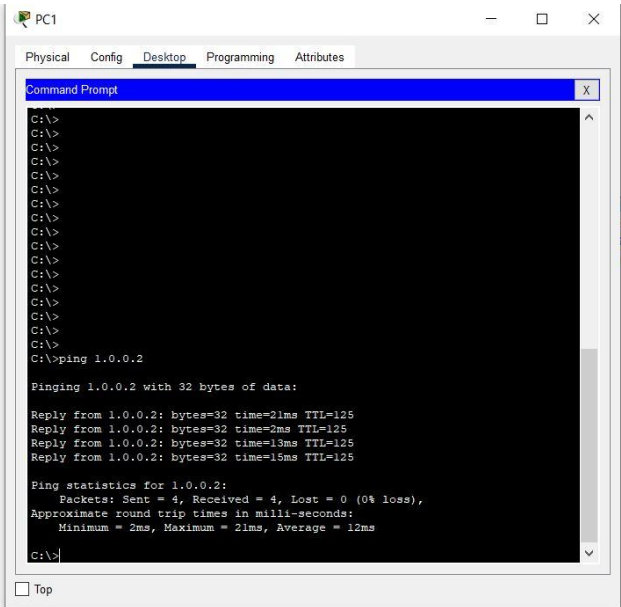
Pinging 4.0.0.2 with 32 bytes of data:

Reply from 4.0.0.2: bytes=32 time=22ms TTL=125
Reply from 4.0.0.2: bytes=32 time=2ms TTL=125
Reply from 4.0.0.2: bytes=32 time=14ms TTL=125
Reply from 4.0.0.2: bytes=32 time=2ms TTL=125

Ping statistics for 4.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 22ms, Average = 10ms

C:\>
```

☐ Top



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 1.0.0.2

Pinging 1.0.0.2 with 32 bytes of data:

Reply from 1.0.0.2: bytes=32 time=21ms TTL=125
Reply from 1.0.0.2: bytes=32 time=2ms TTL=125
Reply from 1.0.0.2: bytes=32 time=13ms TTL=125
Reply from 1.0.0.2: bytes=32 time=15ms TTL=125

Ping statistics for 1.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 21ms, Average = 12ms

C:\>
```

☐ Top