



Fast Forward Time

Scenario 0
 New Delete
 Toggle PDU List Window

| Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete |
|------|-------------|--------|-------------|------|-------|-----------|----------|-----|--------|----------|
| | Successful | PC0 | PC1 | ICMP | | 0.000 | N | 0 | (edit) | (delete) |
| | Successful | PC0 | PC1 | ICMP | | 0.000 | N | 1 | (edit) | (delete) |
| | Successful | PC2 | PC1 | ICMP | | 0.008 | N | 2 | (edit) | (delete) |



Physical Config CLI

--- System Configuration Dialog ---

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

Press RETURN to get started!

Router>enable

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int Se0/1/0

Router(config-if)#ip address 172.16.1.1 255.255.255.252

Router(config-if)#no shutdown

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

Router(config-if)#exit

Router(config)#int Fa0/0

Router(config-if)#ip address 192.168.10.1 255.255.255.0

Router(config-if)#no shutdown

Router(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

Router(config-if)#exit

Router(config)#write memory

% Invalid input detected at '^' marker.

Router(config)#do write memory

Building configuration...

[OK]

Router(config)#exit

Router#

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

exit



Physical Config CLI

```
Router>conf t
      ^
% Invalid input detected at '^' marker.

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 192.168.20.0 255.255.255.0 172.16.1.2
Router(config)#ip route 172.16.2.0 255.255.255.252 172.16.1.2
Router(config)#ip route 192.168.30.0 255.255.255.0 172.16.1.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#do write memory
      ^
% Invalid input detected at '^' marker.

Router#wr
Building configuration...
[OK]
Router#enable
Router#do write memory
      ^
% Invalid input detected at '^' marker.

Router#wr
Building configuration...
[OK]
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

      172.16.0.0/30 is subnetted, 2 subnets
C       172.16.1.0 is directly connected, Serial0/1/0
S       172.16.2.0 [1/0] via 172.16.1.2
C       192.168.10.0/24 is directly connected, FastEthernet0/0
S       192.168.20.0/24 [1/0] via 172.16.1.2
S       192.168.30.0/24 [1/0] via 172.16.1.2
Router#
```

R2

Physical Config CLI

IOS Comman

```
--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int Se0?
/
Router(config)#int Se0/1/0
Router(config-if)#ip address 172.16.1.2 255.255.255.252
Router(config-if)#no shutdown

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

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

Router(config)#int Fa0/0
Router(config-if)#ip address 192.168.20.1 255.255.255.0
Router(config-if)#no shutdown

Router(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

Router(config-if)#exit
Router(config)#int Se0/1/1
Router(config-if)#ip address 172.16.2.1 255.255.255.252
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/1, changed state to down
Router(config-if)#
Router(config-if)#exit
Router(config)#do write memory
Building configuration...
[OK]
Router(config)#
%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>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 192.168.10.0 255.255.255.0 172.16.1.1
Router(config)#ip route 192.168.30.0 255.255.255.0 172.16.2.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr
Building configuration...
[OK]
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

      172.16.0.0/30 is subnetted, 2 subnets
C       172.16.1.0 is directly connected, Serial0/1/0
C       172.16.2.0 is directly connected, Serial0/1/1
S       192.168.10.0/24 [1/0] via 172.16.1.1
C       192.168.20.0/24 is directly connected, FastEthernet0/0
S       192.168.30.0/24 [1/0] via 172.16.2.2
Router#
```

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

Press RETURN to get started!

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int Se0/1/0
Router(config-if)#ip address 172.16.2.2 255.255.255.252
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 Fa0/0
Router(config-if)#ip address 192.168.30.1 255.255.255.0
Router(config-if)#no shutdown

Router(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

Router(config-if)#exit
Router(config)#do write memory
Building configuration...
[OK]
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 0.0.0.0 0.0.0.0 Se0/1/0
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr
Building configuration...
[OK]
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 0.0.0.0 to network 0.0.0.0

    172.16.0.0/30 is subnetted, 1 subnets
C      172.16.2.0 is directly connected, Serial0/1/0
C    192.168.30.0/24 is directly connected, FastEthernet0/0
S*    0.0.0.0/0 is directly connected, Serial0/1/0
Router#
```


