**CLI Command for Static Router Configuration**

**Router 1**

--- System Configuration Dialog ---

Would you like to enter the initial 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)#int fa0/0

Router(config-if)#ip add 192.168.10.33 255.255.255.224

Router(config-if)#no shut

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)#ex

Router(config)#int se3/0

Router(config-if)#ip add 192.168.10.98 255.255.255.224

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Router(config-if)#exit

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router(config)#int se2/0

Router(config-if)#ip add 192.168.10.129 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router con0 is now available

Press RETURN to get started.

Router>en

Router#conf t

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

Router(config)#ip route 192.168.10.0 255.255.255.224 192.168.10.97

Router(config)#ip route 192.168.10.64 255.255.255.224 192.168.10.130

Router(config)#ex

Router#

%SYS-5-CONFIG\_I: Configured from console by console

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

192.168.10.0/27 is subnetted, 5 subnets

S 192.168.10.0 [1/0] via 192.168.10.97

C 192.168.10.32 is directly connected, FastEthernet0/0

S 192.168.10.64 [1/0] via 192.168.10.130

C 192.168.10.96 is directly connected, Serial3/0

C 192.168.10.128 is directly connected, Serial2/0

Router#

**Router 2**

--- System Configuration Dialog ---

Would you like to enter the initial 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)#int fa1/0

Router(config-if)#ip add 192.168.10.65 255.255.255.224

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#exit

Router(config)#int se2/0

Router(config-if)#ip add 192.168.10.130 255.255.255.224

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router con0 is now available

Press RETURN to get started.

Router>en

Router#conf t

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

Router(config)#ip route 192.168.10.32 255.255.255.224 192.168.10.129

Router(config)#ip route 192.168.10.96 255.255.255.224 192.168.10.129

Router(config)#ip route 192.168.10.10 255.255.255.224 192.168.10.129

%Inconsistent address and mask

Router(config)#ex

Router#

%SYS-5-CONFIG\_I: Configured from console by console

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

192.168.10.0/27 is subnetted, 4 subnets

S 192.168.10.32 [1/0] via 192.168.10.129

C 192.168.10.64 is directly connected, FastEthernet1/0

S 192.168.10.96 [1/0] via 192.168.10.129

C 192.168.10.128 is directly connected, Serial2/0

Router#conf t

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

Router(config)#ip route 192.168.10.0 255.255.255.224 192.168.10.129

Router(config)#ex

Router#

%SYS-5-CONFIG\_I: Configured from console by console

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

192.168.10.0/27 is subnetted, 5 subnets

S 192.168.10.0 [1/0] via 192.168.10.129

S 192.168.10.32 [1/0] via 192.168.10.129

C 192.168.10.64 is directly connected, FastEthernet1/0

S 192.168.10.96 [1/0] via 192.168.10.129

C 192.168.10.128 is directly connected, Serial2/0

Router#

**Router 3**

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en

Router#con t

% Ambiguous command: "con t"

Router#en

Router#conf t

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

Router(config)#int fa1/0

Router(config-if)#ip add 192.168.10.1 255.255.255.224

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#exit

Router(config)#int se2/0

Router(config-if)#ip add 192.168.10.97 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router con0 is now available

Press RETURN to get started.

Router>en

Router#show route

^

% Invalid input detected at '^' marker.

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

192.168.10.0/27 is subnetted, 2 subnets

C 192.168.10.0 is directly connected, FastEthernet1/0

C 192.168.10.96 is directly connected, Serial2/0

Router#conf t

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

Router(config)#ip route

% Incomplete command.

Router(config)#ip route 192.168.10.32 255.255.255.224 192.168.10.98

Router(config)#ip route 192.168.10.32 255.255.255.224 192.168.10.9^Z

Router#

%SYS-5-CONFIG\_I: Configured from console by console

conf t

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

Router(config)#ip route 192.168.10.32 255.255.255.224 192.168.10.98

Router(config)#ip route 192.168.10.128 255.255.255.224 192.168.10.98

Router(config)#ip route 192.168.10.32 255.255.255.224 192.168.10.98

Router con0 is now available

Press RETURN to get started.

Router>EN

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

192.168.10.0/27 is subnetted, 4 subnets

C 192.168.10.0 is directly connected, FastEthernet1/0

S 192.168.10.32 [1/0] via 192.168.10.98

C 192.168.10.96 is directly connected, Serial2/0

S 192.168.10.128 [1/0] via 192.168.10.98

Router#en

Router#conf t

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

Router(config)#ip route 192.168.10.64 255.255.255.224 192.168.10.98

Router(config)#ex

Router#

%SYS-5-CONFIG\_I: Configured from console by console

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

192.168.10.0/27 is subnetted, 5 subnets

C 192.168.10.0 is directly connected, FastEthernet1/0

S 192.168.10.32 [1/0] via 192.168.10.98

S 192.168.10.64 [1/0] via 192.168.10.98

C 192.168.10.96 is directly connected, Serial2/0

S 192.168.10.128 [1/0] via 192.168.10.98

Router#

Router con0 is now available

Press RETURN to get started.