**CLI Command for Dynamic Routing (EIGRP) Configuration (Part 1)**

**Router 0**

--- System Configuration Dialog ---

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

Press RETURN to get started!

Router>en

Router#conf

Router#configure t

Router#configure terminal

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

Router(config)#int

Router(config)#interface fa1/0

Router(config)#interface fa

Router(config)#interface fastEthernet 1/0

Router(config-if)#ip add 192.168.1.1 255.255.255.192

Router(config-if)#no

Router(config-if)#no shut

Router(config-if)#no shutdown

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)#ex

Router(config-if)#exit

Router(config)#int

Router(config)#inter

Router(config)#interface Se

Router(config)#interface Serial 2/0

Router(config-if)#ip add

Router(config-if)#ip address 192.168.1.97 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shut

Router(config-if)#no shutdown

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

Router(config-if)#ex

Router(config-if)#exit

Router(config)#ip dhcp

Router(config)#ip dhcp p

Router(config)#ip dhcp pool Rony1

Router(dhcp-config)#net

Router(dhcp-config)#network 192.168.1.0 255.255.255.192

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.1.1

Router(dhcp-config)#ex

Router(dhcp-config)#exit

Router(config)#

Router(config)#router eigrp 100

Router(config-router)#net

Router(config-router)#network 192.168.1.0

Router(config-router)#network 192.168.1.96

Router(config-router)#no au

Router(config-router)#no auto-summary

Router(config-router)#do wr

Router(config-router)#do wr

Building configuration...

[OK]

Router(config-router)#

**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>enable

Router#int

Router#int

Router#inte

Router#con

Router#conf

Router#configure ter

Router#configure terminal

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

Router(config)#int

Router(config)#interface se

Router(config)#interface serial 3/0

Router(config-if)#ip add

Router(config-if)#ip address 192.168.1.96 255.255.255.252

Bad mask /30 for address 192.168.1.96

Router(config-if)#no shut

Router(config-if)#no shutdown

Router(config-if)#

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

ex

Router(config-if)#exit

Router(config)#

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

Router(config)#int

Router(config)#interface Fa

Router(config)#interface FastEthernet 1/0

Router(config-if)#ip address 192.168.1.64 255.255.255.224

Bad mask /27 for address 192.168.1.64

Router(config-if)#no

Router(config-if)#no sh

Router(config-if)#no shutdown

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)#ex

Router(config-if)#exit

Router(config)#ip dh

Router(config)#ip dhcp p

Router(config)#ip dhcp pool Rony2

Router(dhcp-config)#net

Router(dhcp-config)#network 192.168.1.64 255.255.255.224

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.1.65

Router(dhcp-config)#ex

Router(dhcp-config)#exit

Router(config)#int

Router(config)#interface F

Router(config)#interface FastEthernet 1/0

Router(config-if)#ip ad

Router(config-if)#ip address 192.168.1.65 255.255.255.224

Router(config-if)#no shut

Router(config-if)#ex

Router(config-if)#exit

Router(config)#

Router(config)#int

Router(config)#interface se

Router(config)#interface serial 3/0

Router(config-if)#192.168.1.98 255.255.255.252

^

% Invalid input detected at '^' marker.

Router(config-if)#ip

Router(config-if)#ip ad

Router(config-if)#ip address 192.168.1.98 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config-if)#exit

Router(config)#

Router(config)#router eigrp 100

Router(config-router)#net

Router(config-router)#network 192.168.1.96

Router(config-router)#

%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.1.97 (Serial3/0) is up: new adjacency

Router(config-router)#net

Router(config-router)#network 192.168.1.64

Router(config-router)#ex

Router(config-router)#exit

Router(config)#