**ROU0**

Router>en

Router#conf t

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

Router(config)#host R1

R1(config)#int se2/0

R1(config-if)#ip add 10.10.10.1 255.255.255.0

R1(config-if)#cl

R1(config-if)#clock rate

% Incomplete command.

R1(config-if)#cl

R1(config-if)#clock rate 64000

R1(config-if)#no sh

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

R1(config-if)#int se3/0

R1(config-if)#ip add 20.20.20.1 255.255.255.0

R1(config-if)#cl

R1(config-if)#clock rate 64000

This command applies only to DCE interfaces

R1(config-if)#no sh

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

R1(config-if)#int fa0/0

R1(config-if)#ip add 192.168.1.1 255.255.255.0

R1(config-if)#no sh

R1(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

R1(config-if)#ip dhcp pool LAN1

R1(dhcp-config)#def

R1(dhcp-config)#default-router 192.168.1.1

R1(dhcp-config)#net

R1(dhcp-config)#network 192.168.1.0 255.255.255.0

R1(dhcp-config)#ip dh

R1(dhcp-config)#ip dhcp excluded-address 192.168.1.1

R1(config)#

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

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

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

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

R1(config)#ro

R1(config)#router ospf 10

R1(config-router)#net

R1(config-router)#network 10.10.10.0 0.0.0.255 area 0

R1(config-router)#net

R1(config-router)#network 20.20.20.0 0.0.0.255 area 0

R1(config-router)#net

R1(config-router)#network 192.168.1.0 0.0.0.255 area 0

R1(config-router)#

00:18:24: %OSPF-5-ADJCHG: Process 10, Nbr 192.168.2.1 on Serial2/0 from LOADING to FULL, Loading Done

**ROU1**

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 192.168.2.1 255.255.255.0

Router(config-if)#no sh

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)#int se2/0

Router(config-if)#ip add 10.10.10.2 255.255.255.0

Router(config-if)#cl

Router(config-if)#clock rate 64000

This command applies only to DCE interfaces

Router(config-if)#no sh

Router(config-if)#

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

Router(config-if)#int se3/0

Router(config-if)#

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

Router(config-if)#int se3/0

Router(config-if)#ip add 20.20.20.2 255.255.255.0

Router(config-if)#cl

Router(config-if)#clock rate 64000

This command applies only to DCE interfaces

Router(config-if)#no sh

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

Router(config-if)#ip dhcp pool LAN2

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.2.1

Router(dhcp-config)#net

Router(dhcp-config)#network 192.168.2.0 255.255.255.0

Router(dhcp-config)#ip dhcp excluded-address 192.168.2.1

Router(config)#

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

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

Router(config)#rou

Router(config)#router ospf 10

Router(config-router)#net

Router(config-router)#network 10.10.10.0 0.0.0.255 area 0

Router(config-router)#

00:18:18: %OSPF-5-ADJCHG: Process 10, Nbr 192.168.1.1 on Serial2/0 from LOADING to FULL, Loading Done

Router(config-router)#net

Router(config-router)#network 20.20.20.0 0.0.0.255 area 0

Router(config-router)#net

Router(config-router)#network 192.168.2.0 0.0.0.255 ar

Router(config-router)#network 192.168.2.0 0.0.0.255 area 0

Router(config-router)#

00:19:45: %OSPF-5-ADJCHG: Process 10, Nbr 192.168.3.1 on Serial3/0 from LOADING to FULL, Loading Done

**ROU2**

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 192.168.3.1 255.255.255.0

Router(config-if)#no sjh

^

% Invalid input detected at '^' marker.

Router(config-if)#no sh

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)#int se2/0

Router(config-if)#ip add 10.10.10.3 255.255.255.0

Router(config-if)#cl

Router(config-if)#clock rate 64000

Router(config-if)#no sh

Router(config-if)#

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

Router(config-if)#int se

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

^

% Invalid input detected at '^' marker.

Router(config-if)#int se3/0

Router(config-if)#ip add 20.20.20.3 255.255.255.0

Router(config-if)#cl

Router(config-if)#clock rate 64000

Router(config-if)#no sh

Router(config-if)#

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

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

Router(config-if)#ip dhcp pool LAN3

Router(dhcp-config)#

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.3.1

Router(dhcp-config)#net

Router(dhcp-config)#network 192.168.3.0 255.255.255.0

Router(dhcp-config)#ip dhcp excluded-address 192.168.3.1

Router(config)#rou

Router(config)#router ospf 10

Router(config-router)#net

Router(config-router)#network 10.10.10.0 0.0.0.255 ar

Router(config-router)#network 10.10.10.0 0.0.0.255 area 0

Router(config-router)#net

Router(config-router)#network 20.20.20.0 0.0.0.255 area 0

Router(config-router)#net

Router(config-router)#network

00:19:40: %OSPF-5-ADJCHG: Process 10, Nbr 192.168.2.1 on Serial3/0 from LOADING to FULL, Loading Done

% Incomplete command.

Router(config-router)#net

Router(config-router)#network 192.168.3.0 0.0.0.255 area 0

Router(config-router)#

Cach 2

R1

Router>en

Router#conf

Configuring from terminal, memory, or network [terminal]? exit

?Must be "terminal", "memory" or "network"

Router#conf t

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

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.4.1 255.255.255.0

Router(config-if)#no sh

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)#int se2/0

Router(config-if)#ip add 20.0.11.1 255.255.255.252

Router(config-if)#cl

Router(config-if)#clock rate 64000

Router(config-if)#no sh

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

Router(config-if)#int se3/0

Router(config-if)#ip add 20.0.31.1 255.255.255.252

Router(config-if)#cl

Router(config-if)#clock rate 64000

Router(config-if)#no sh

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

Router(config-if)#router rip

Router(config-router)#version 2

Router(config-router)#net

Router(config-router)#network 192.168.4.0

Router(config-router)#ne

Router(config-router)#network 20.0.0.0

Router(config-router)#

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

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

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

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

**R2**

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 192.168.5.1 255.255.255.0

Router(config-if)#no sh

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)#int se2/0

Router(config-if)#ip add 20.0.11.2 255.255.255.252

Router(config-if)#no sh

Router(config-if)#

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

Router(config-if)#int

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

^

% Invalid input detected at '^' marker.

Router(config-if)#int se3/0

Router(config-if)#ip add 20.0.21.1 255.255.255.252

Router(config-if)#cl

Router(config-if)#clock rate 64000

This command applies only to DCE interfaces

Router(config-if)#no sh

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

Router(config-if)#router rip

Router(config-router)#ver

Router(config-router)#version 2

Router(config-router)#net

Router(config-router)#network 192.168.5.0

Router(config-router)#net

Router(config-router)#network 20.0.0.0

Router(config-router)#

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

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

Router#

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

**R3**

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 192.168.6.1 255.255.255.0

Router(config-if)#no sh

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)#int se2/0

Router(config-if)#ip add 20.0.31.2 255.255.255.252

Router(config-if)#no sh

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(config-if)#int se3/0

Router(config-if)#ip add 20.0.21.2 255.255.255.252

Router(config-if)#no sh

Router(config-if)#

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

Router(config-if)#

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

Router(config-if)#router rip

Router(config-router)#ver

Router(config-router)#version 2

Router(config-router)#net

Router(config-router)#network 192.168.6.0

Router(config-router)#ne

Router(config-router)#network 20.0.0.0

Router(config-router)#