Herbs house => switch

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.176.1 255.255.248.0

Router(config-if)#no shutdown

Gulf coast

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.184.1 255.255.248.0

Router(config-if)#no shutdown

Asgard

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.64.1 255.255.192.0

Router(config-if)#no shutdown

Lamentis

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.128.1 255.255.224.0

Router(config-if)#no shutdown

Void

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.160.1 255.255.240.0

Router(config-if)#no shutdown

Tva headquarter

Router>en

Router#config t

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

Router(config)#interface fastethernet0/0

Router(config-if)#ip address 10.10.0.1 255.255.192.0

Router(config-if)#no shutdown

Herb house => gulf coast

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.49 255.255.255.252

Router(config-if)#no shutdown

Gulf coast => herb house

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.50 255.255.255.252

Router(config-if)#no shutdown

Gulf coast => Asgard

Router>en

Router#config t

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

Router(config)#interface serial0/0/1

Router(config-if)#ip address 10.10.192.53 255.255.255.252

Router(config-if)#no shutdown

Asgard => Gulf coast

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.54 255.255.255.252

Router(config-if)#no shutdown

Asgard => TVA headquarter

Router>en

Router#config t

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

Router(config)#interface serial0/0/1

Router(config-if)#ip address 10.10.192.57 255.255.255.252

Router(config-if)#no shutdown

TVA headquarter => Asgard

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.58 255.255.255.252

Router(config-if)#no shutdown

TVA headquarter => Lamentis

Router>en

Router#config t

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

Router(config)#interface serial0/1/0

Router(config-if)#ip address 10.10.192.61 255.255.255.252

Router(config-if)#no shutdown

Lamentis => TVA headquarter

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.62 255.255.255.252

Router(config-if)#no shutdown

TVA headquarter => The void

Router>en

Router#config t

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

Router(config)#interface serial0/0/1

Router(config-if)#ip address 10.10.192.65 255.255.255.252

Router(config-if)#no shutdown

The void => TVA headquarter

Router>en

Router#config t

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

Router(config)#interface serial0/0/0

Router(config-if)#ip address 10.10.192.66 255.255.255.252

Router(config-if)#no shutdown

The void => isp

Router>en

Router#config t

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

Router(config)#interface se0/1/0

Router(config-if)#ip address 182.168.0.2 255.255.255.0

Router(config-if)#no shutdown

Isp => the void

Router>en

Router#config t

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

Router(config)#interface se0/0/0

Router(config-if)#ip address 182.168.0.1 255.255.255.0

Router(config-if)#no shutdown

Backup route =>

Herbs house => asgard

Router>en

Router#config t

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

Router(config)#interface serial0/0/1

Router(config-if)#ip address 10.10.192.69 255.255.255.252

Router(config-if)#no shutdown

Router(config)#ip route 10.10.192.68 255.255.255.252 se0/0/1 5

Asgard => herbs house

Router>en

Router#config t

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

Router(config)#interface serial0/1/0

Router(config-if)#ip address 10.10.192.70 255.255.255.252

Router(config-if)#no shutdown

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Herb house => gulf coast static route

Static route

Router(config)#ip route 10.10.184.0 255.255.248.0 serial0/0/0

Router(config)#ip route 10.10.192.52 255.255.255.252 serial0/0/0

Router(config)#ip route 10.10.64.0 255.255.192.0 serial0/0/0

Router(config)#ip route 10.10.192.56 255.255.255.252 serial0/0/0

Router(config)#ip route 10.10.192.56 255.255.255.252 serial0/0/1 5

Router(config)#ip route 10.10.0.0 255.255.192.0 serial0/0/0

Router(config)#ip route 10.10.192.64 255.255.255.252 serial0/0/0

Router(config)#ip route 10.10.192.60 255.255.255.252 serial0/0/0

Router(config)#ip route 10.10.128.0 255.255.224.0 serial0/0/0

Router(config)#ip route 10.10.160.0 255.255.240.0 serial0/0/0

Gulf coast

ip route 10.10.176.0 255.255.248.0 serial0/0/0

ip route 10.10.192.52 255.255.255.252 serial0/0/1

Ip route 10.10.64.0 255.255.192.0 serial0/0/1

ip route 10.10.192.56 255.255.255.252 serial0/0/1

Ip route 10.10.0.0 255.255.192.0 serial0/0/1

ip route 10.10.192.64 255.255.255.252 serial0/0/1

ip route 10.10.192.60 255.255.255.252 serial0/0/1

ip route 10.10.128.0 255.255.224.0 serial0/0/1

ip route 10.10.160.0 255.255.240.0 serial0/0/1

ip route 10.10.192.68 255.255.255.252 serial0/0/1

asgard

Ip route 10.10.192.48 255.255.255.252 serial0/0/0

ip route 10.10.176.0 255.255.248.0 serial0/0/0

ip route 10.10.184.0 255.255.248.0 serial0/0/0

Ip route 10.10.0.0 255.255.192.0 serial0/0/1

ip route 10.10.192.64 255.255.255.252 serial0/0/1

ip route 10.10.192.60 255.255.255.252 serial0/0/1

ip route 10.10.128.0 255.255.224.0 serial0/0/1

ip route 10.10.160.0 255.255.240.0 serial0/0/1

lamentis

Ip route 10.10.192.48 255.255.255.252 serial0/0/0

ip route 10.10.176.0 255.255.248.0 serial0/0/0

ip route 10.10.184.0 255.255.248.0 serial0/0/0

ip route 10.10.192.52 255.255.255.252 serial0/0/0

ip route 10.10.192.56 255.255.255.252 serial0/0/0

Ip route 10.10.0.0 255.255.192.0 serial0/0/0

Ip route 10.10.64.0 255.255.192.0 serial0/0/0

ip route 10.10.192.64 255.255.255.252 serial0/0/0

ip route 10.10.160.0 255.255.240.0 serial0/0/0

ip route 10.10.192.68 255.255.255.252 serial0/0/0

the void

Ip route 10.10.192.48 255.255.255.252 serial0/0/0

ip route 10.10.176.0 255.255.248.0 serial0/0/0

ip route 10.10.184.0 255.255.248.0 serial0/0/0

ip route 10.10.192.52 255.255.255.252 serial0/0/0

ip route 10.10.192.56 255.255.255.252 serial0/0/0

ip route 10.10.128.0 255.255.224.0 serial0/0/0

Ip route 10.10.0.0 255.255.192.0 serial0/0/0

Ip route 10.10.64.0 255.255.192.0 serial0/0/0

ip route 10.10.192.60 255.255.255.252 serial0/0/0

ip route 10.10.192.68 255.255.255.252 serial0/0/0

tva headquarter

Ip route 10.10.192.48 255.255.255.252 serial0/0/0

ip route 10.10.176.0 255.255.248.0 serial0/0/0

ip route 10.10.184.0 255.255.248.0 serial0/0/0

ip route 10.10.192.52 255.255.255.252 serial0/0/0

ip route 10.10.128.0 255.255.224.0 serial0/1/0

Ip route 10.10.64.0 255.255.192.0 serial0/0/0

Ip route 10.10.160.0 255.255.240.0 serial0/0/1

ip route 10.10.192.68 255.255.255.252 serial0/0/0

DHCP excluding first 10 ips from The headquarter=> herbs house, gulf coast, asgard

Router>en

Router#config t

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

Router(config)#ip DHCP excluded-address 10.10.176.1 10.10.176.10

Router(config)#ip DHCP excluded-address 10.10.184.1 10.10.184.10

Router(config)#ip DHCP excluded-address 10.10.64.1 10.10.64.10

Configuring the headquarter as DHCPV4 server

Router(config)#ip dhcp pool herbs-house-pool

Router(dhcp-config)#network 10.10.176.0 255.255.248.0

Router(dhcp-config)#default-router 10.10.176.1

Router(dhcp-config)#dns-server 10.10.0.5

Router(dhcp-config)#exit

Router(config)#

Router(config)#ip dhcp pool gulf-coast-pool

Router(dhcp-config)#network 10.10.184.0 255.255.248.0

Router(dhcp-config)#default-router 10.10.184.1

Router(dhcp-config)#dns-server 10.10.0.5

Router(dhcp-config)#exit

Router(config)#ip dhcp pool asgard-pool

Router(dhcp-config)#network 10.10.64.0 255.255.192.0

Router(dhcp-config)#default-router 10.10.64.1

Router(dhcp-config)#dns-server 10.10.0.5

Router(dhcp-config)#exit

Configuring herbs house as relay =>

Router>en

Router#conf t

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

Router(config)#interface fa0/0

Router(config-if)#ip helper-address 10.10.192.58

Router(config-if)#exit

Router(config)#interface fa0/0

Router(config-if)#no shutdown

Router(config-if)#exit

Configuring gulf coast as relay =>

Router>en

Router#conf t

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

Router(config)#interface fa0/0

Router(config-if)#ip helper-address 10.10.192.58

Router(config-if)#no shutdown

Router(config-if)#exit

Configuring asgard as relay =>

Router>en

Router#conf t

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

Router(config)#interface fa0/0

Router(config-if)#ip helper-address 10.10.192.58

Router(config-if)#no shutdown

Router(config-if)#exit

Nat: