Id:18301132

Router>**enable**

Router#**erase startup-config**

Router#**reload**

Router>**enable**

Router#**configure terminal**

Router(config)#**hostname R1**

R1(config)#**no ip domain-lookup**

R1(config)#**enable secret class**

R1(config)#**banner motd &**

R1(config)#**line console 0**

R1(config-line)#**password cisco**

R1(config-line)#**login**

R1(config-line)#**exit**

R1(config)#**line vty 0 4**

R1(config-line)#**password cisco**

R1(config-line)#**login**

R1(config-line)#**exit**

R1(config)#**interface fastethernet 0/0**

R1(config-if)#**ip address 192.168.1.1 255.255.255.0**

R1(config-if)#**no shutdown**

R1(config-if)#**interface serial 0/0/0**

R1(config-if)#**ip address 192.168.2.1 255.255.255.0**

R1(config-if)#**clock rate 64000**

R1(config-if)#**no shutdown**

R1(config-if)#**end**

R1#**copy running-config startup-config**

Router>**enable**

Router#**configure terminal**

Router(config)#**hostname R2**

R2(config)#**no ip domain-lookup**

R2(config)#**enable secret class**

R2(config)#**banner motd &**

R2(config)#**line console 0**

R2(config-line)#**password cisco**

R2(config-line)#**login**

R2(config-line)#**exit**

R2(config)#**line vty 0 4**

R2(config-line)#**password cisco**

R2(config-line)#**login**

R2(config-line)#**exit**

R2(config)#**interface serial 0/0/0**

R2(config-if)#**ip address 192.168.2.2 255.255.255.0**

R2(config-if)#**no shutdown**

R2(config-if)#**interface fastethernet 0/0**

R2(config-if)#**ip address 192.168.3.1 255.255.255.0**

R2(config-if)#**no shutdown**

R2(config-if)#**end**

R2#**copy running-config startup-config**

R1#**show ip route**

R2#**show ip route**

R1#**show ip interface brief**

R2#**show ip interface brief**

#Console Cable for configuring something remotely

#Copper Straight-Through for different devices

#Copper Cross-over for similar devices

#Serial Dce for wide area connection

#Router are used for wide area connection

#Ethernet connection for lan connection

#Router to Computer lan connection

#in cisco standard router and pc are same so copper cros over

#NVRAM can store data permently regardless of the router powered on or off

TASK8 Documentation:

R1

**R1#show running-config**

Building configuration...

Current configuration : 1027 bytes

!

version 12.4

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname R1

!

!

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

!

!

!

!

!

no ip cef

no ipv6 cef

R1#

**R1#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

C 192.168.1.0/24 is directly connected, FastEthernet0/0

C 192.168.2.0/24 is directly connected, Serial0/0/0

R1#

**R1#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

C 192.168.1.0/24 is directly connected, FastEthernet0/0

C 192.168.2.0/24 is directly connected, Serial0/0/0

**R1#show ip interface brief**

Interface IP-Address OK? Method Status Protocol

FastEthernet0/0 192.168.1.1 YES manual up up

FastEthernet0/1 unassigned YES NVRAM administratively down down

Serial0/0/0 192.168.2.1 YES manual up up

Serial0/0/1 unassigned YES NVRAM administratively down down

Serial0/1/0 unassigned YES NVRAM administratively down down

Vlan1 unassigned YES NVRAM administratively down down

R1#

R1#

R2

**R2#show running-config**

Building configuration...

Current configuration : 1022 bytes

!

version 12.4

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname R2

!

!

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

!

!

!

!

!

no ip cef

no ipv6 cef

**R2#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

C 192.168.2.0/24 is directly connected, Serial0/0/0

C 192.168.3.0/24 is directly connected, FastEthernet0/0

**R2#show ip interface brief**

Interface IP-Address OK? Method Status Protocol

FastEthernet0/0 192.168.3.1 YES manual up up

FastEthernet0/1 unassigned YES NVRAM administratively down down

Serial0/0/0 192.168.2.2 YES manual up up

Serial0/0/1 unassigned YES NVRAM administratively down down

Serial0/1/0 unassigned YES NVRAM administratively down down

Vlan1 unassigned YES NVRAM administratively down down

R2#