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**Router R1:**

**Task 2:**

Router>enable

Router#erase startup-config

Erasing the nvram filesystem will remove all files! Continue? [confirm]y [OK]

Erase of nvram: complete

Router#reload

System configuration has been modified. Save? [yes/no]: no

Proceed with reload? [confirm]y

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

Press RETURN to get started!

**Task 3:**

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z. Router(config)#hostname R1

R1(config)#no ip domain-lookup

R1(config)#enable password cisco

!

no ip cef

no ipv6 cef

!

R1(config)#end

R1#

R1#exit

R1>en

R1#configure terminal

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

R1(config)#no enable password

R1(config)#enable secret class

R1(config)#banner motd &

Enter TEXT message. End with the character '&'.

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!!!AUTHORIZED ACCESS ONLY!!!

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&

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)#

R1(config)#service ?

dhcp Enable DHCP server and relay agent

nagle Enable Nagle's congestion control algorithm

password-encryption Encrypt system passwords

timestamps Timestamp debug/log messages

R1(config)#service p?

password-encryption

R1(config)#service p

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 run start

Destination filename [startup-config]?

Building configuration...

[OK]

**Task 6:**

R1# show ip route

R1#show ip interface brief

R1#ping 192.168.2.2

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/14/22 ms

R1#

**Task-8:**

R1#show running-config

Building configuration...

Current configuration : 951 bytes

!

version 12.3

no service timestamps log datetime msec

no service timestamps debug datetime msec

service password-encryption

!

hostname R1

!

!

!

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

!

!

!

!

!

!

no ip cef

no ipv6 cef

!

!

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

Vlan1 unassigned YES unset administratively down down

R1#

**Task 9:**

Router>enable

Router#erase startup-config

Erasing the nvram filesystem will remove all files! Continue? [confirm]y [OK]

Erase of nvram: complete

Router#reload

System configuration has been modified. Save? [yes/no]: no

Proceed with reload? [confirm]y

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

Press RETURN to get started!

**Router R2:**

**Task 2:**

Router>enable

Router#erase startup-config

Erasing the nvram filesystem will remove all files! Continue? [confirm]y [OK]

Erase of nvram: complete

Router#reload

System configuration has been modified. Save? [yes/no]: no

Proceed with reload? [confirm]y

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

Press RETURN to get started!

**Task 4:**

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z. Router(config)#hostname R2

R2(config)#no ip domain-lookup

R2(config)#enable password cisco

R2(config)#end

R2#

R2#exit

R2>en

R2#configure terminal

R2(config)#no enable password

R2(config)#enable secret class

R2(config)#end

R2#

R2#configure terminal

R2(config)#banner motd &

Enter TEXT message. End with the character '&'.

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!!!AUTHORIZED ACCESS ONLY!!!

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&

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)#service ?

dhcp Enable DHCP server and relay agent

nagle Enable Nagle's congestion control algorithm

password-encryption Encrypt system passwords

timestamps Timestamp debug/log messages

R2(config)#service p?

password-encryption

R2(config)#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)#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)#end

R2#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

R2#

**Task 6:**

R2#show ip route

R2#show ip interface brief

R2#ping 192.168.2.1

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/15/28 ms

R2#

**Task 8:**

R2#show running-config

Building configuration...

Current configuration : 933 bytes

!

version 12.3

no service timestamps log datetime msec

no service timestamps debug datetime msec

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

Vlan1 unassigned YES NVRAM administratively down down

R2#

**Task 9:**

Router>enable

Router#erase startup-config

Erasing the nvram filesystem will remove all files! Continue? [confirm]y [OK]

Erase of nvram: complete

Router#reload

System configuration has been modified. Save? [yes/no]: no

Proceed with reload? [confirm]y

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

Press RETURN to get started