**Task 2: Erase and Reload the Routers**

**Enter privileged EXEC mode.**

Router>enable

**Clear the configuration**

Router#erase startup-config

**Reload configuration**

Router#reload

**For R2:**

**Enter privileged EXEC mode.**

Router>enable

**Clear the configuration**

Router#erase startup-config

**Reload configuration**

Router#reload

**Task 3: Perform Basic Configuration of Router R1.**

**Enter privileged EXEC mode.**

Router>enable

**Enter global configuration mode**

Router#configure terminal

**Configure the router name as R1**

Router(config)#hostname R1

**Disable DNS lookup**

R1(config)#no ip domain-lookup

**Configure the EXEC mode password**

R1(config)#enable secret class

**Configure a message-of-the-day banner**

R1(config)#banner motd &

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

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

!!!AUTHORIZED ACCESS ONLY!!!

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

&

**Configure the console password on the router**

R1(config)#line console 0

R1(config-line)#password cisco

R1(config-line)#login

R1(config-line)#exit

**Configure the password for the virtual terminal lines**

R1(config)#line vty 0 4

R1(config-line)#password cisco

R1(config-line)#login

R1(config-line)#exit

R1(config)#service password-encryption

**Configure the FastEthernet0/0 interface**

R1(config)#interface fastethernet 0/0

R1(config-if)#ip address 192.168.1.1 255.255.255.0

R1(config-if)#no shutdown

**Configure the Serial0/0/0 interface**

R1(config)#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

**Save the R1 configuration**

R1#copy run start

**Task 4: Perform Basic Configuration of Router R2**

**Enter privileged EXEC mode.**

Router>enable

**Enter global configuration mode**

Router#configure terminal

**Configure the router name as R1**

Router(config)#hostname R2

**Disable DNS lookup**

R1(config)#no ip domain-lookup

**Configure the EXEC mode password**

R1(config)#enable secret class

**Configure a message-of-the-day banner**

R1(config)#banner motd &

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

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!!!AUTHORIZED ACCESS ONLY!!!

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&

**Configure the console password on the router**

R1(config)#line console 0

R1(config-line)#password cisco

R1(config-line)#login

R1(config-line)#exit

**Configure the password for the virtual terminal lines**

R1(config)#line vty 0 4

R1(config-line)#password cisco

R1(config-line)#login

R1(config-line)#exit

R1(config)#service password-encryption

**Configure the Serial 0/0/0 interface**

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

**Configure the FastEthernet0/0 interface**

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

**Save the R2 configuration.**

R2#copy run start

**Task 6: Verify and Test the Configurations**

**Verify that routing tables have the following routes**

R1#show ip route

R2#show ip route

**Verify interface configurations**

R1#show ip interface brief

R2#show ip interface brief

**Test connectivity between router R1 and R2**

R1#ping 192.168.2.2

R2#ping 192.168.2.1

**Task 8: Documentation**

**For R1**

R1#show running-config

Building configuration...

Current configuration : 948 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

--More—

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#

**For R2**

R2#show running-config

Building configuration...

Current configuration : 930 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

--More—

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 unset administratively down down