Small Go Through For the PDF

1. All the commands marked as bold.
2. Router 1, 2 Setup has been separated into two different headlines.
3. Router 1,2 Testing And Verification separated into two different headlines.
4. TASK 7 Has been Related commands included below.

Router 1 Setup Commands

Press RETURN to get started!

Router>enable
Router#
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#no ip domain-lookup
R1(config)#enable secret class
R1(config)#banner motd &
Enter TEXT message. End with the character '&'.
****
!!!AUTHORIZED ACCESS ONLY!!!
****
&

R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#exit

R1 con0 is now available

Press RETURN to get started.

****
!!!AUTHORIZED ACCESS ONLY!!!
****

R1>enable
Password: cisco
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.

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 shut

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)#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 shut

R1(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router 2 Setup Commands

Press RETURN to get started!

Router>enable
Router#
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R2
R2(config)#no ip domain-lookup
R2(config)#enable secret class
R2(config)#banner motd &
Enter TEXT message. End with the character '&'.
****
!!!AUTHORIZED ACCESS ONLY!!!
****
&

R2(config)#exit
R2#
%SYS-5-CONFIG_I: Configured from console by console

R2#exit

R2 con0 is now available

Press RETURN to get started.

****
!!!AUTHORIZED ACCESS ONLY!!!
****

R2>enable
Password: cisco
R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
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 fastethernet 0/0
R2(config-if)#ip address 192.168.3.1 255.255.255.0
R2(config-if)#no shut

R2(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

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 shut

R2(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router 1 Testing & Verification

R1>enable
Password: class
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 brief interface
^
% Invalid input detected at '^' marker.

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 NVRAM administratively down down

R1#ping 192.168.1.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/5 ms

R1# ping 192.168.2.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.2.2, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 18/23/29 ms

****
!!!AUTHORIZED ACCESS ONLY!!!
****

User Access Verification

Password:cisco

R1>enable
Password: class
R1# show running-config
Building configuration...

Current configuration : 949 bytes
!
version 12.3
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname R1
!
!
!
enable secret 5 1mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
!
!
!
no ip cef

no ipv6 cef

R1#show running-config
Building configuration...

Current configuration : 949 bytes
!
version 12.3
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname R1
!
!
!
enable secret 5 1mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
!
!
!
no ip cef
no ipv6 cef
--More--

Router 2 Testing & Verification

****
!!!AUTHORIZED ACCESS ONLY!!!
****

User Access Verification

Password:cisco

R2>enable
Password: class
R2#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
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#ping 192.168.3.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.3.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/2/4 ms

R2#ping 192.168.2.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.2.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/6/14 ms

R2#

Ping not worked

R2#show running-config
Building configuration...

Current configuration : 916 bytes
!
version 12.3

```
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
--More--
```

Step 1: Attempt to ping from the host connected to R1 to the host connected to R2.

C:\>ping 192.168.3.10

Pinging 192.168.3.10 with 32 bytes of data:

Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.

Ping statistics for 192.168.3.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

Step 2: Attempt to ping from the host connected to R1 to router R2.

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.3.1

Pinging 192.168.3.1 with 32 bytes of data:

Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.

Ping statistics for 192.168.3.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>

Step 3: Attempt to ping from the host connected to R2 to router R1.

C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.3.1: Destination host unreachable.
Reply from 192.168.3.1: Destination host unreachable.
Request timed out.
Reply from 192.168.3.1: Destination host unreachable.

Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),