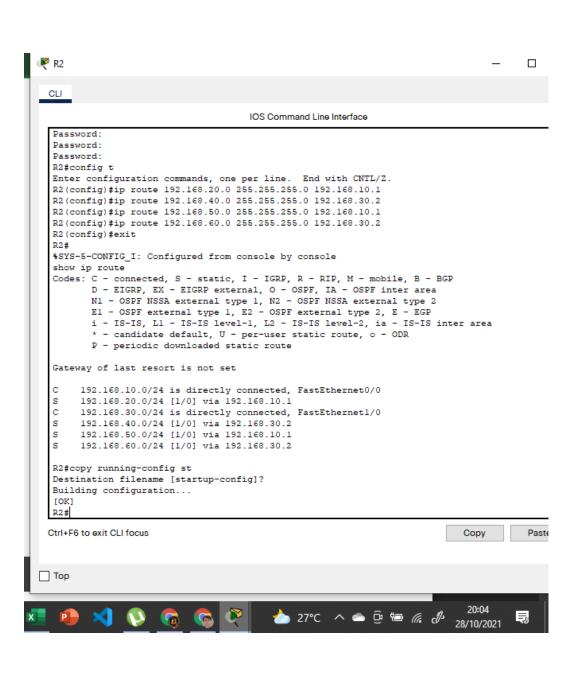




Сору

R1#

Ctrl+F6 to exit CLI focus



```
R3
```

IOS Command Line Interface

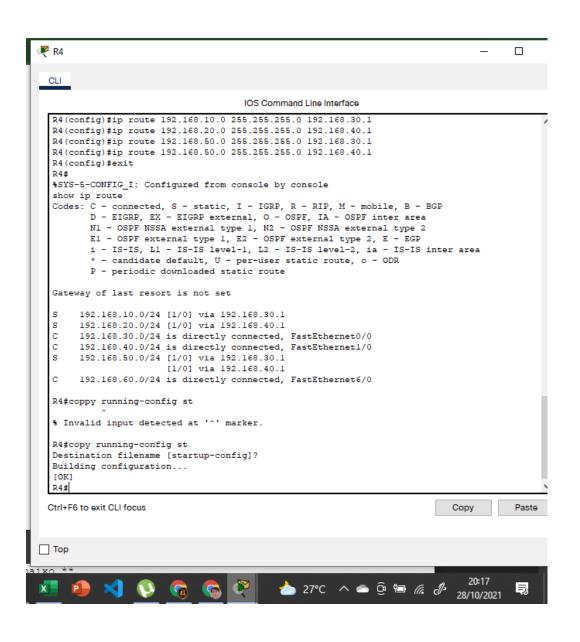
```
R3>en
Password:
R3#config t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ip route 192.168.10.0 255.255.255.0 192.168.20.1
R3(config)#ip route 192.168.30.0 255.255.255.0 192.168.40.2
R3(config)#ip route 192.168.50.0 255.255.255.0 192.168.20.1
R3(config)#ip route 192.168.60.0 255.255.255.0 192.168.40.2
R3(config)#
R3(config)#exit
R3#
%SYS-5-CONFIG_I: Configured from console by console
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
     192.168.10.0/24 [1/0] via 192.168.20.1
С
    192.168.20.0/24 is directly connected, FastEthernet0/0
    192.168.30.0/24 [1/0] via 192.168.40.2
C
     192.168.40.0/24 is directly connected, FastEthernet1/0
    192.168.50.0/24 [1/0] via 192.168.20.1
s
s
    192.168.60.0/24 [1/0] via 192.168.40.2
R3#copy running-config st
Destination filename [startup-config]?
Building configuration...
[OK]
R3#
```

Ctrl+F6 to exit CLI focus

Copy

Тор

CLI



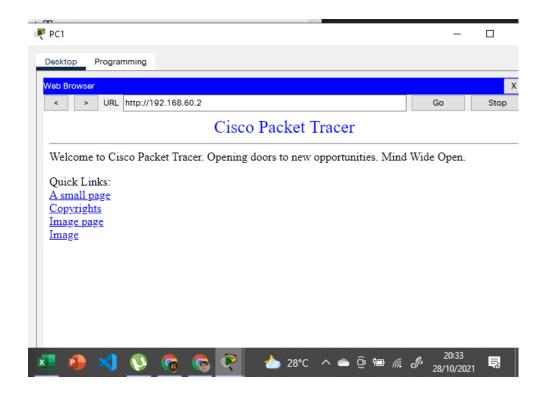
№ PC1 – □ X

```
Desktop Programming
    ommand Prompt
                                                                                                                                              X
    Packet Tracer PC Command Line 1.0
    C:\>ping 192.168.50.1
    Pinging 192.168.50.1 with 32 bytes of data:
    Reply from 192.168.50.1: bytes=32 time=123ms TTL=255
   Reply from 192.168.50.1: bytes=32 time<lms TTL=255
Reply from 192.168.50.1: bytes=32 time=lms TTL=255
Reply from 192.168.50.1: bytes=32 time<lms TTL=255
    Ping statistics for 192.168.50.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 123ms, Average = 31ms
   C:\>ping 192.168.10.2
   Pinging 192.168.10.2 with 32 bytes of data:
   Reply from 192.168.10.2: bytes=32 time=58ms TTL=254
   Reply from 192.168.10.2: bytes=32 time<lms TTL=254
Reply from 192.168.10.2: bytes=32 time<lms TTL=254
    Reply from 192.168.10.2: bytes=32 time<1ms TTL=254
    Ping statistics for 192.168.10.2:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
         Minimum = 0ms, Maximum = 58ms, Average = 14ms
   C:\>ping 192.168.20.2
   Pinging 192.168.20.2 with 32 bytes of data:
   Reply from 192.168.20.2: bytes=32 time<1ms TTL=254
Тор
```

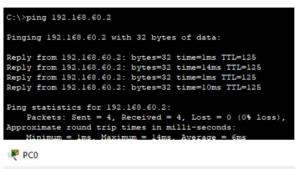
₽ PC1 Desktop Programming Command Prompt Х Ping statistics for 192.168.20.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms C:\>ping 192.168.40.2 Pinging 192.168.40.2 with 32 bytes of data: Reply from 192.168.40.2: bytes=32 time<lms TTL=253
Reply from 192.168.40.2: bytes=32 time<lms TTL=253
Reply from 192.168.40.2: bytes=32 time<lms TTL=253
Reply from 192.168.40.2: bytes=32 time<lms TTL=253 Ping statistics for 152.168.40.2: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms C:\>ping 192.168.30.2 Pinging 192.168.30.2 with 32 bytes of data: Reply from 192.168.30.2: bytes=32 time<lms TTL=253
Reply from 192.168.30.2: bytes=32 time<lms TTL=253
Reply from 192.168.30.2: bytes=32 time=lms TTL=253
Reply from 192.168.30.2: bytes=32 time=30ms TTL=253 Ping statistics for 192.168.30.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 30ms, Average = 7ms C:\>ping 192.168.60.2 Pinging 192.168.60.2 with 32 bytes of data:

□ Ton

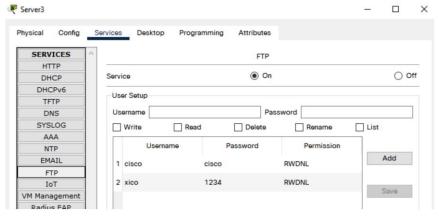
```
₽C1
                                                                                                                                                                       _ _
                                                                                                                                                                                                 X
   Desktop Programming
                                                                                                                                                                                            Х
   Request timed out.
Reply from 192.168.60.3: bytes=32 time=53ms TTL=125
Reply from 192.168.60.3: bytes=32 time<1ms TTL=125
Reply from 192.168.60.3: bytes=32 time<1ms TTL=125
    Ping statistics for 192.168.60.3:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 53ms, Average = 17ms
    C:\>ping 192.168.60.4
     Pinging 192.168.60.4 with 32 bytes of data:
     Request timed out.
    Reply from 192.168.60.4: bytes=32 time=19ms TTL=125
Reply from 192.168.60.4: bytes=32 time<1ms TTL=125
Reply from 192.168.60.4: bytes=32 time=10ms TTL=125
    Ping statistics for 192.168.60.4:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 19ms, Average = 9ms
    C:\>ping 192.168.60.5
     Pinging 192.168.60.5 with 32 bytes of data:
    Request timed out.
Request timed out.
Request timed out.
Request timed out.
    Ping statistics for 192.168.60.5:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
    C:\>
Тор
```



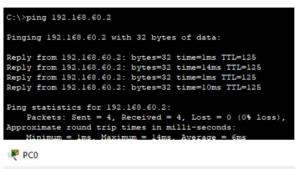
R1(config) #interface fastEthernet 6/0
R1(config-if) #ip helper-address 192.168.60.3
R1(config-if) #end



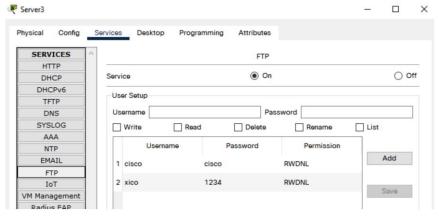


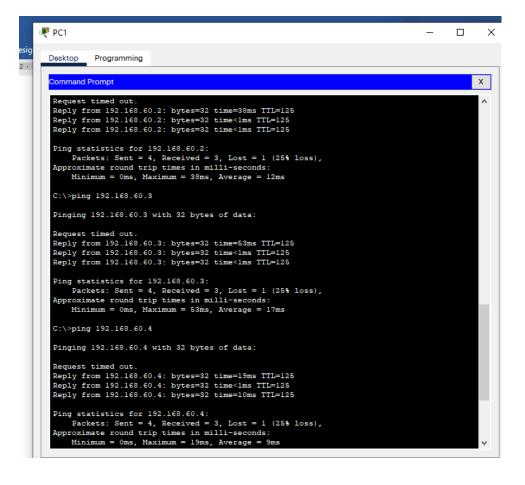


R1(config) #interface fastEthernet 6/0
R1(config-if) #ip helper-address 192.168.60.3
R1(config-if) #end









```
₹ PC0
                                                                                                                                                                                                                                                                    Physical
                                 Config Desktop Programming
                                                                                                                               Attributes
        Command Prompt
        ftp ftp.lambda.com
Trying to connect...ftp.lambda.com
Connected to ftp.lambda.com
220- Welcome to PT Ftp server
          Username:xico
331- Username ok, need password
          Password:
         230- Logged in
(passive mode On)
          ftp>dir
        Listing /ftp directory from ftp.lambda.com: 0 : asa842-k8.bin
                   tting /ftp directory from ftp.lambda.com:
: asa842-k8.bin
: asa923-k9.bin
: c1841-advipservicesk9-mz.124-15.T1.bin
: c1841-ipbase+mz.123-14.T7.bin
: c1841-ipbasek9-mz.124-12.bin
: c1841-ipbasek9-mz.124-12.bin
: c1841-ipbasek9-mz.124-12.bin
: c18600-advipservicesk9-mz.124-15.T1.bin
: c2600-imbasek9-mz.124-8.bin
: c2600-imbasek9-mz.124-8.bin
: c2800nm-advipservicesk9-mz.124-15.T1.bin
: c2800nm-advipservicesk9-mz.151-4.M4.bin
: c2800nm-ipbase+mz.123-14.T7.bin
: c2800nm-ipbase+mz.123-14.T7.bin
: c2800nm-ipbase+mz.123-14.T7.bin
: c2950-idcq412-mz.121-22.EA4.bin
: c2950-idcq412-mz.121-22.EA4.bin
: c2950-idcq412-mz.121-22.EA4.bin
: c2960-lanbase-mz.122-25.FX.bin
: c3560-advipservicesk9-mz.122-37.SE1.bin
: c3560-advipservicesk9-mz.122-36.SE.bin
: c3560-advipservicesk9-mz.122-46.SE.bin
: c3560-advipservicesk9-mz.122-46.SE.bin
: c3600-universalk9-mz.SPA.152-4.M4.bin
: c800-universalk9-mz.SPA.153-4.M4.bin
: c800-universalk9-mz.SPA.153-3.H6a.bin
: cat3k_caa-universalk9.16.03.02.SPA.bin
                                                                                                                                                                                  5571584
                                                                                                                                                                                 30468096
33591768
                                                                                                                                                                                  13832032
                                                                                                                                                                                  16599160
                                                                                                                                                                                  33591768
                                                                                                                                                                                  5571584
                                                                                                                                                                                  13169700
50938004
         8
9
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11
12
13
                                                                                                                                                                                  33591768
                                                                                                                                                                                  5571584
                                                                                                                                                                                  15522644
33591768
         14
15
                                                                                                                                                                                  3058048
3117390
         16
17
                                                                                                                                                                                 4414921
4670455
         18
                                                                                                                                                                                 4670455
8662192
         20
21
                                                                                                                                                                                  10713279
33591768
                                                                                                                                                                                  83029236
                                                                                                                                                                                  505532849
            : cat3k_caa-universalk9.16.03.02.SPA.bin
: cgr1000-universalk9-mz.SPA.154-2.CG
: cgr1000-universalk9-mz.SPA.156-3.CG
                                                                                                                                                                                      505532849
                                                                                                                                                                                     159487552
184530138
24
25
            : ir800-universalk9-bundle.SPA.156-3.M.bin
: ir800-universalk9-mz.SPA.155-3.M
: ir800-universalk9-mz.SPA.156-3.M
                                                                                                                                                                                     160968869
27
28
                                                                                                                                                                                     €17500€2
€37537€7
            : ir800_yocto-1.7.2.tar
: ir800_yocto-1.7.2_python-2.7.3.tar
: pt1000-i-mz.122-28.bin
30
31
                                                                                                                                                                                     €912000
                                                                                                                                                                                     5571584
             : pt3000-i6q412-mz.121-22.EA4.bin
 ftp>help
                            delete
                            dir
                            get
                            help
                            passive
                            put
                             pwd
                             quit
```