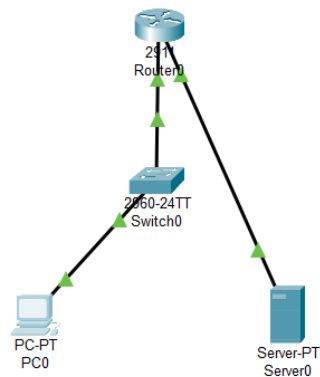


Q13) Create an extended ACL to block specific applications, such as HTTP or FTP traffic.
Test the ACL rules by attempting to access blocked services.



Test Connectivity Before Applying ACL

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.100

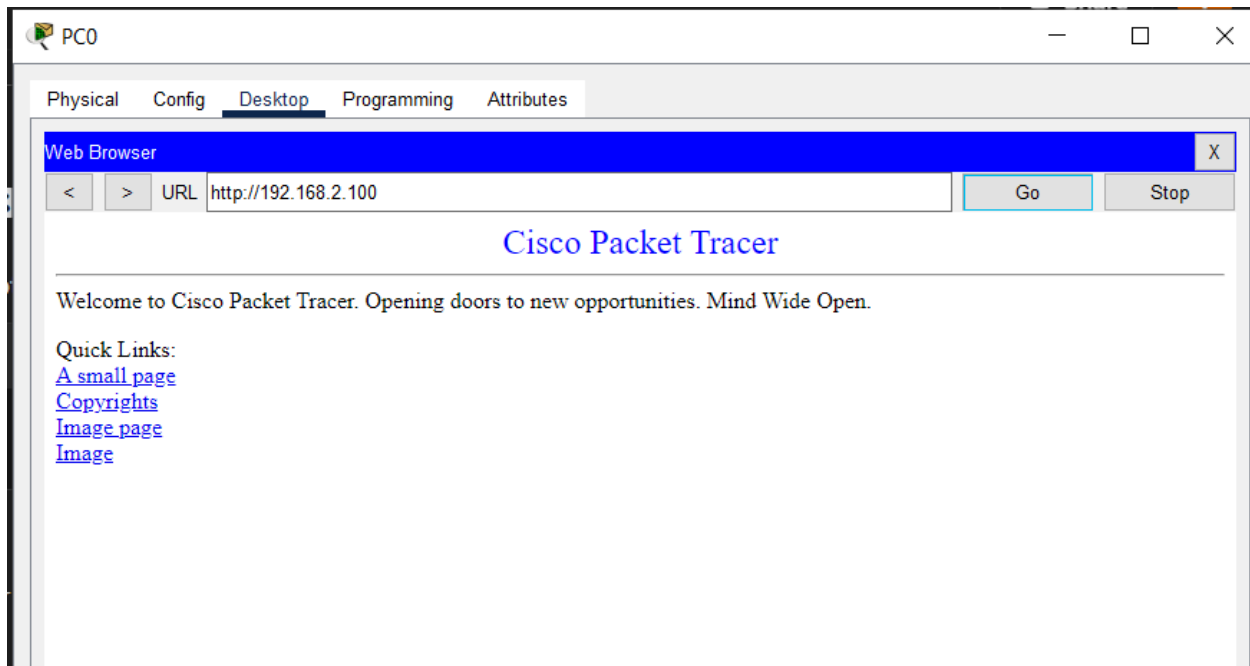
Pinging 192.168.2.100 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.2.100:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```

```
C:\>ftp 192.168.2.100
Trying to connect...192.168.2.100
Connected to 192.168.2.100
220- Welcome to PT Ftp server
Username:|
```



Configure Extended ACL on the Router

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
exit
Router(config)#access-list 101 deny tcp 192.168.1.0 0.0.0.255 192.168.2.100 0.0.0.0 eq 80
Router(config)#access-list 101 deny tcp 192.168.1.0 0.0.0.255 192.168.2.100 0.0.0.0 eq 21
Router(config)#access-list 101 deny tcp 192.168.1.0 0.0.0.255 192.168.2.100 0.0.0.0 eq 20
Router(config)#access-list 101 permit ip any any
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip access-group 101 in
Router(config-if)#exit
Router(config)#
```

Test the ACL

```
220- welcome to P1 ftp server
Username:

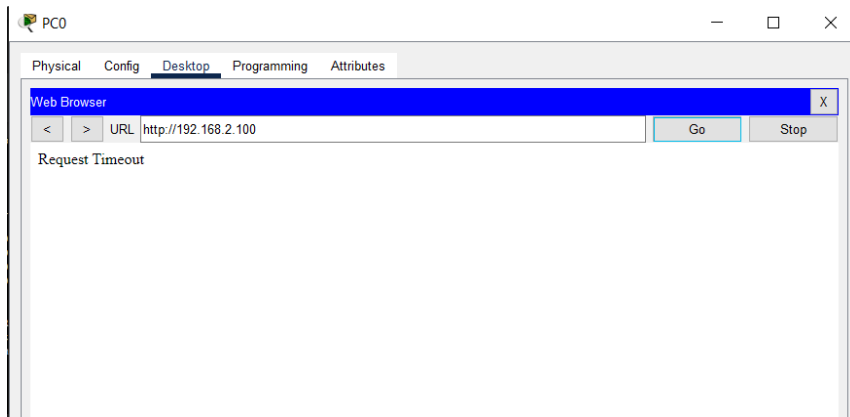
C:\>ping 192.168.2.100

Pinging 192.168.2.100 with 32 bytes of data:

Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.2.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```



- Ping should work (ICMP is not blocked).
- Open a web browser on PC-0 and enter <http://192.168.2.100>. Page should not load (HTTP is blocked).
- FTP should be blocked.

```
C:\>ftp 192.168.2.100
Trying to connect...192.168.2.100

%Error opening ftp://192.168.2.100/ (Timed out)
.

(Disconnecting from ftp server)
```