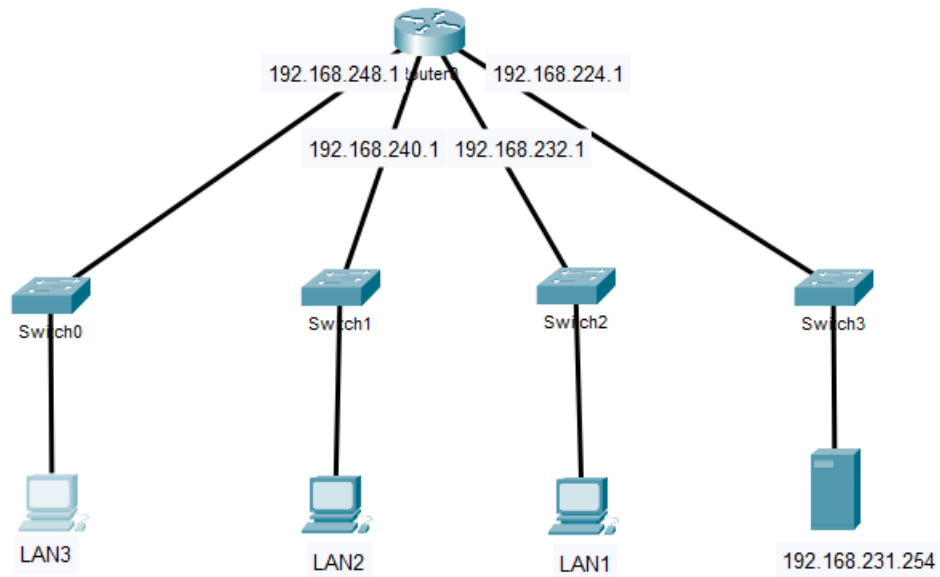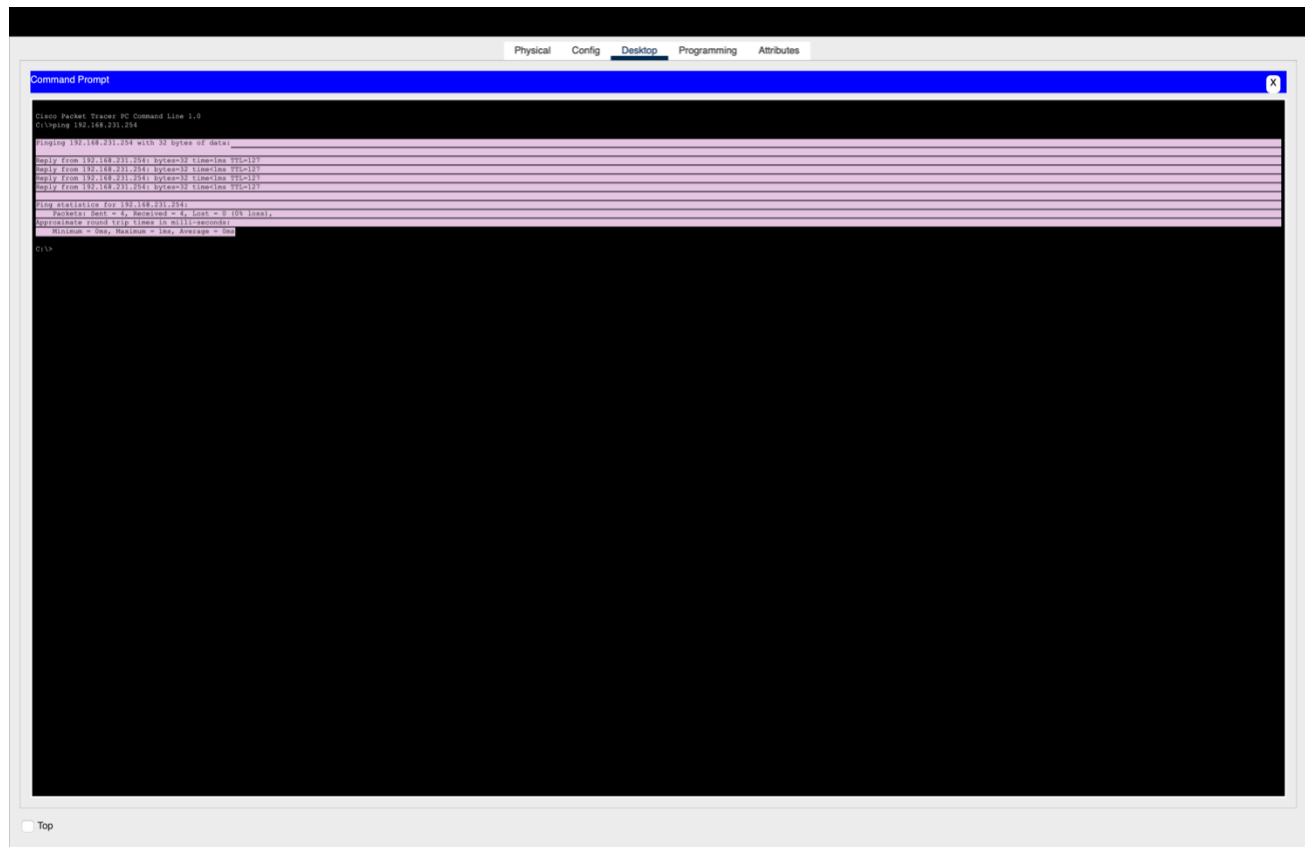# Networking Infrastructure Management

Configuring a Firewall Lab 1

Diagram and configure a network similar to the one shown below. Ensure all devices and services are labeled and configured.
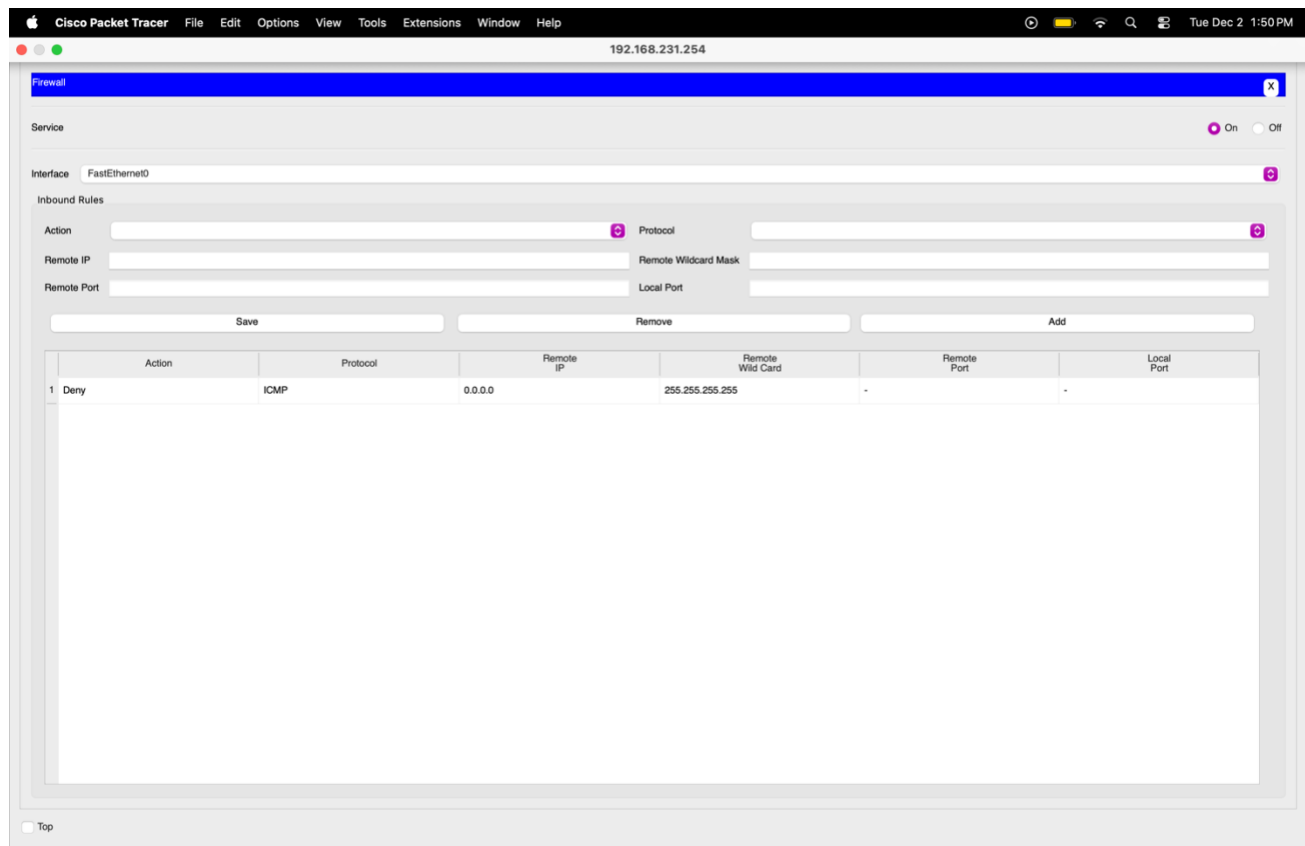

After configuring the network and before setting up the firewall:

1. Submit a screenshot of a successful ping between a PC and the server.

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.231.254

Pinging 192.168.231.254 with 32 bytes of data:

Reply from 192.168.231.254: bytes=32 time=1ms TTL=127
Reply from 192.168.231.254: bytes=32 time<1ms TTL=127
Reply from 192.168.231.254: bytes=32 time<1ms TTL=127
Reply from 192.168.231.254: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.231.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```
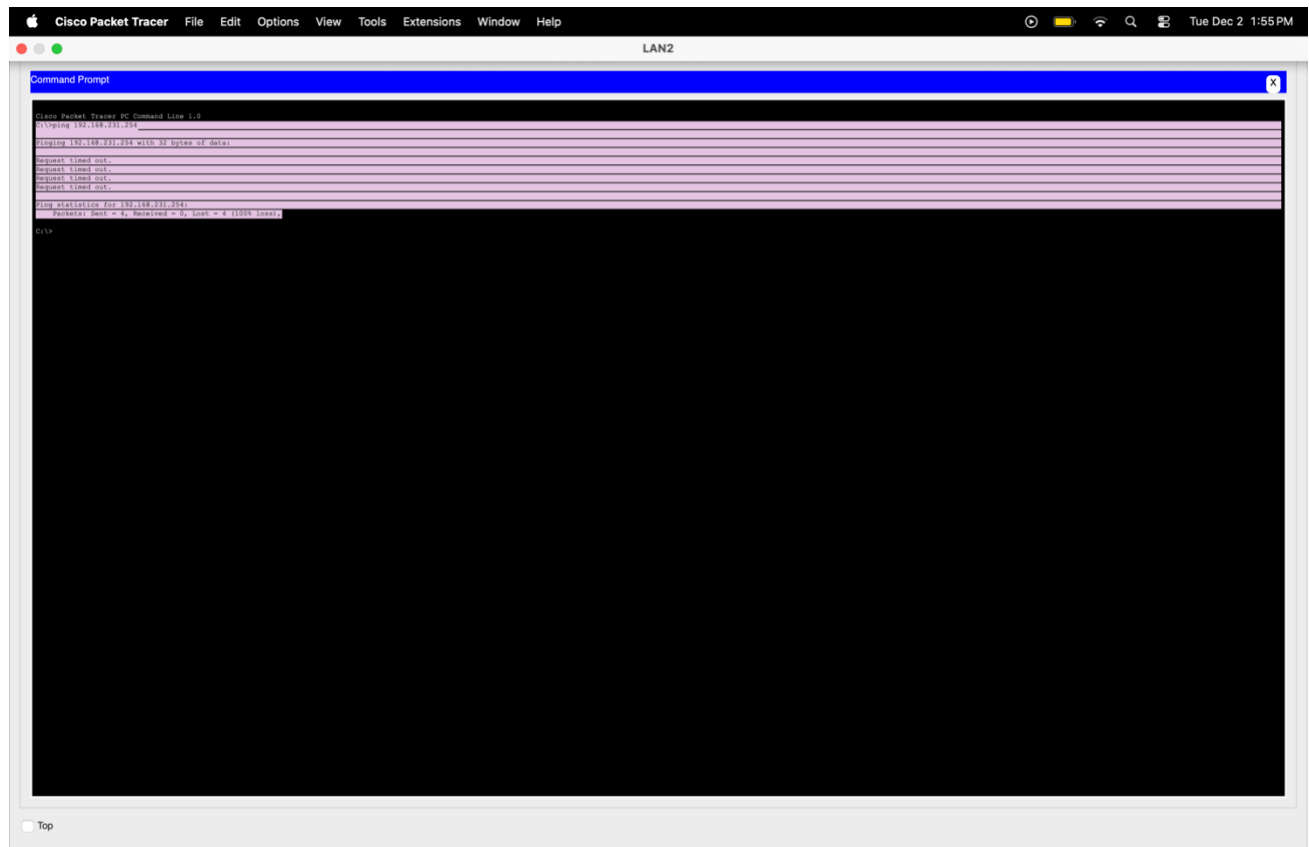
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After setting rules in the firewall to deny ICMP packets and allow IP packets:

2.   Submit a screenshot of the firewall configured to deny ICMP packets and to allow IP packets.

192.168.231.254

Firewall   X

Service   ● On   ○ Off

Interface   FastEthernet0

Inbound Rules

Action   Protocol

Remote IP   Remote Wildcard Mask

Remote Port   Local Port

Save		Remove		Add	

	Action	Protocol	Remote IP	Remote Wild Card	Remote Port	Local Port
1	Deny	ICMP	0.0.0.0	255.255.255.255	-	-

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3.   Submit a screenshot of the results of a ping from a PC to the server.

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.231.254

Pinging 192.168.231.254 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.231.254:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

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4. Submit a screenshot of the web site displayed in a PC's browser using the server's IP address.

Web Browser   X

| < | > | URL http://192.168.231.254 | Go | Stop |

Bryson Boamah

Welcome to Configuring a Firewall in Module 11.

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