

## Ejercicio 1:

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\mod1-5.5.1-Gateway.pka - Guest - 2025-04-29 09:14:56

File Edit Options View Tools Extensions Window Help

### Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

**Congratulations on completing this activity!**

## Ejercicio 2:

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\mod1-5.5.2-Route.pka - Guest - 2025-04-29 11:07:47

File Edit Options View Tools Extensions Window Help

### Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

**Congratulations on completing this activity!**

```
1A
Physical Config Desktop Programming Attributes
Command Prompt
None
C:\>telnet 172.16.255.254
Trying 172.16.255.254 ...Open
*****
      This is Eagle 1 lab router R2-Central.
      Authorized access only.
*****

User Access Verification

Username: ccnal
Password:
R2-Central>
R2-Central>
R2-Central>enable
Password:
R2-Central#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 10.10.10.6 to network 0.0.0.0

C      10.0.0.0/30 is subnetted, 1 subnets
C      10.10.10.4 is directly connected, Serial0/0/0
C      172.16.0.0/16 is directly connected, FastEthernet0/0
S*    0.0.0.0/0 [1/0] via 10.10.10.6

R2-Central#
R2-Central#
R2-Central#
R2-Central#
☐ Top
```

### Ejercicio 3:

Cisco Packet Tracer - C:\Users\nsq2\Downloads\mod1-6.7.1-Ping-Traceroute.pka - Guest - 2025-04-29 13:44:39

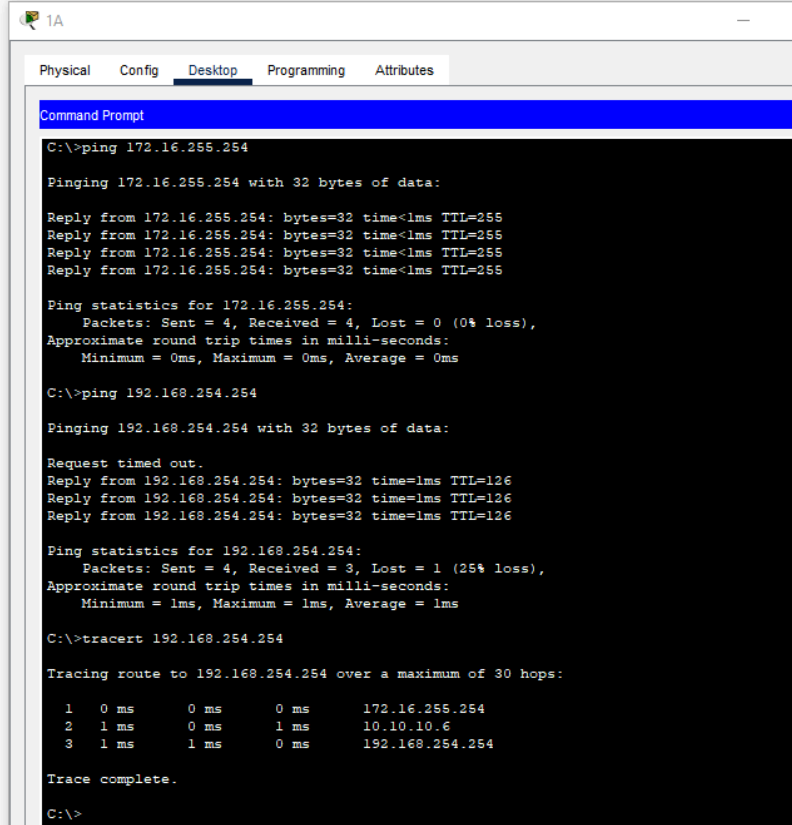
File Edit Options View Tools Extensions Window Help

Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Congratulations on completing this activity!



The screenshot shows a Windows Command Prompt window titled '1A'. The window has tabs for Physical, Config, Desktop (selected), Programming, and Attributes. The Command Prompt displays the following output:

```
C:\>ping 172.16.255.254

Pinging 172.16.255.254 with 32 bytes of data:

Reply from 172.16.255.254: bytes=32 time<1ms TTL=255
Reply from 172.16.255.254: bytes=32 time<1ms TTL=255
Reply from 172.16.255.254: bytes=32 time<1ms TTL=255
Reply from 172.16.255.254: bytes=32 time<1ms TTL=255

Ping statistics for 172.16.255.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.254.254

Pinging 192.168.254.254 with 32 bytes of data:

Request timed out.
Reply from 192.168.254.254: bytes=32 time=1ms TTL=126
Reply from 192.168.254.254: bytes=32 time=1ms TTL=126
Reply from 192.168.254.254: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.254.254:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>tracert 192.168.254.254

Tracing route to 192.168.254.254 over a maximum of 30 hops:

  0  0 ms    0 ms    0 ms    172.16.255.254
  1  1 ms    0 ms    1 ms    10.10.10.6
  2  1 ms    1 ms    0 ms    192.168.254.254

Trace complete.

C:\>
```

### Ejercicio 4:

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\vm01-6.7.2-ICMP.pka - Guest - 2025-04-29 14:23:55

File Edit Options View Tools Extensions Window Help

Logical Physical x: 439, y: 55

Root

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	15.004	—
	15.005	Pod PC
Visible	15.006	Router

Reset Simulation ☒ Constant Delay Captured to: 15.008 s

Play Controls

Event List Filters - Visible Events ICMP

Edit Filters Show All/None

Time: 00:21:46.712 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

PC-PT Pod PC Router Server-PT Eagle Server

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\vm01-6.7.2-ICMP.pka - Guest - 2025-04-29 14:23:55

File Edit Options View Tools Extensions Window Help

Logical Physical x: 439, y: 55

Root

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	15.004	—
	15.005	Pod PC
	15.006	Router
	15.007	Eagle Server
Visible	15.008	Router

Reset Simulation ☒ Constant Delay Captured to: 15.008 s

Play Controls

Event List Filters - Visible Events ICMP

Edit Filters Show All/None

Time: 00:21:46.714 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

PC-PT Pod PC Router Server-PT Eagle Server

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\mod1-6.7.2-ICMP.pka - Guest - 2025-04-29 14:23:55

File Edit Options View Tools Extensions Window Help

Logical Physical x: 461, y: 123

Root

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.001	Pod PC
	0.001	--
	0.002	Router
	1.004	--
Visible	1.005	Pod PC
Visible	1.005	--

Reset Simulation ☒ Constant Delay Captured to: 1.005 s

Play Controls

Event List Filters - Visible Events  
ICMP

Edit Filters Show All/None

Time: 00:47:10.896 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

ISR4331

Cisco Packet Tracer - C:\Users\nsaq2\Downloads\mod1-6.7.2-ICMP.pka - Guest - 2025-04-29 14:23:55

File Edit Options View Tools Extensions Window Help

Logical Physical x: 461, y: 123

Root

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.001	Pod PC
	0.001	--
Visible	0.002	Router

Reset Simulation ☒ Constant Delay Captured to: 0.002 s

Play Controls

Event List Filters - Visible Events  
ICMP

Edit Filters Show All/None

Time: 00:47:09.893 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

ISR4331

Cisco Packet Tracer - C:\Users\nsq2\Downloads\mod1-6.7.2-ICMP.pka - Guest - 2025-04-29 14:23:55

File Edit Options View Tools Extensions Window Help

Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Congratulations on completing this activity!

Ejercicio 5:

Cisco Packet Tracer - C:\Users\nsq2\Downloads\mod1-9.8.1-ARP.pka - Guest - 2025-04-29 16:44:06

File Edit Options View Tools Extensions Window Help

Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Congratulations on completing this activity!

1A

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 255.255.255.255
Ping request could not find host 255.255.255.255. Please check the name and try again.
C:\>arp -a
    Internet Address      Physical Address   Type
    172.16.255.254        0006.2aed.9e42    dynamic
C:\>
C:\>ping 255.255.255.255 arp -a
Invalid Command.
C:\> arp -d
C:\>ping 255.255.255.255
Ping request could not find host 255.255.255.255. Please check the name and try again.
C:\>
```

Ejercicio 6:

## Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Congratulations on completing this activity!

1A

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Password:
S1-Central>show mac-address-table
      Mac Address Table
-----
Vlan    Mac Address      Type    Ports
----    -
1       0001.6465.8b74   DYNAMIC Fa0/1
S1-Central>IOS ping
^
% Invalid input detected at '^' marker.

S1-Central>ping 172.16.1.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.16.1.2, timeout is 2 seconds:
.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 0/0/0 ms

S1-Central>ping 172.16.255.254

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.16.255.254, timeout is 2 seconds:
.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 0/0/0 ms

S1-Central>show mac-address-table
      Mac Address Table
-----
Vlan    Mac Address      Type    Ports
----    -
1       0001.6465.8b74   DYNAMIC Fa0/1
1       0006.2aed.9e42   DYNAMIC Fa0/24
1       0007.ec78.7d6b   DYNAMIC Fa0/2
S1-Central>
```

☐ Top