



NOMBRE DE LA MATERIA
Fundamento de redes

NOMBRE DEL DOCENTE
Rafael Preciado Gutiérrez

NOMBRE DEL TRABAJO
PK2 Resuelto

NOMBRE DEL ALUMNO
Alejandro Guevara de Luna

UNIDAD
2

FECHA Y LUGAR
1 de noviembre del 2022





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Cisco Packet Tracer

IPv4

IPv6

Misc

☐ ARP

☐ BGP

☐ DHCP

☐ DNS

☐ EIGRP

☐ HSRP

☒ ICMP

☐ OSPF

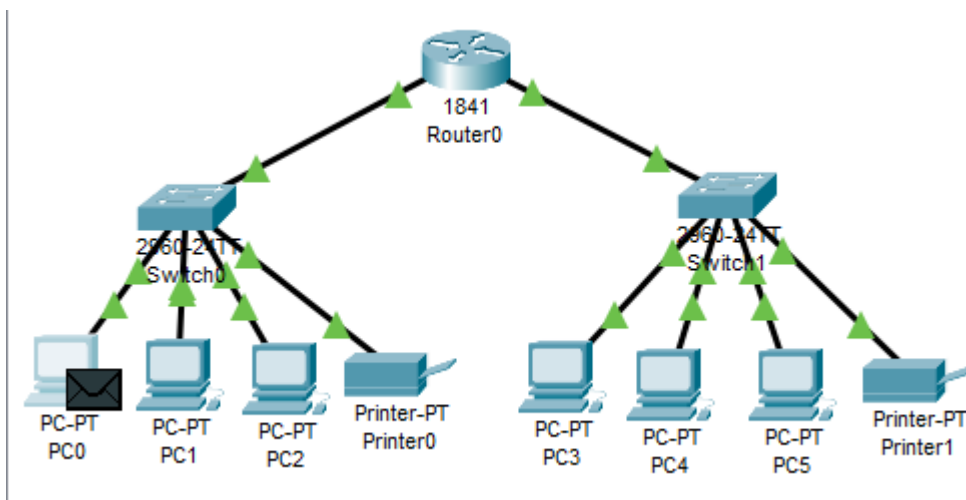
☐ RIP

Edit ACL Filters



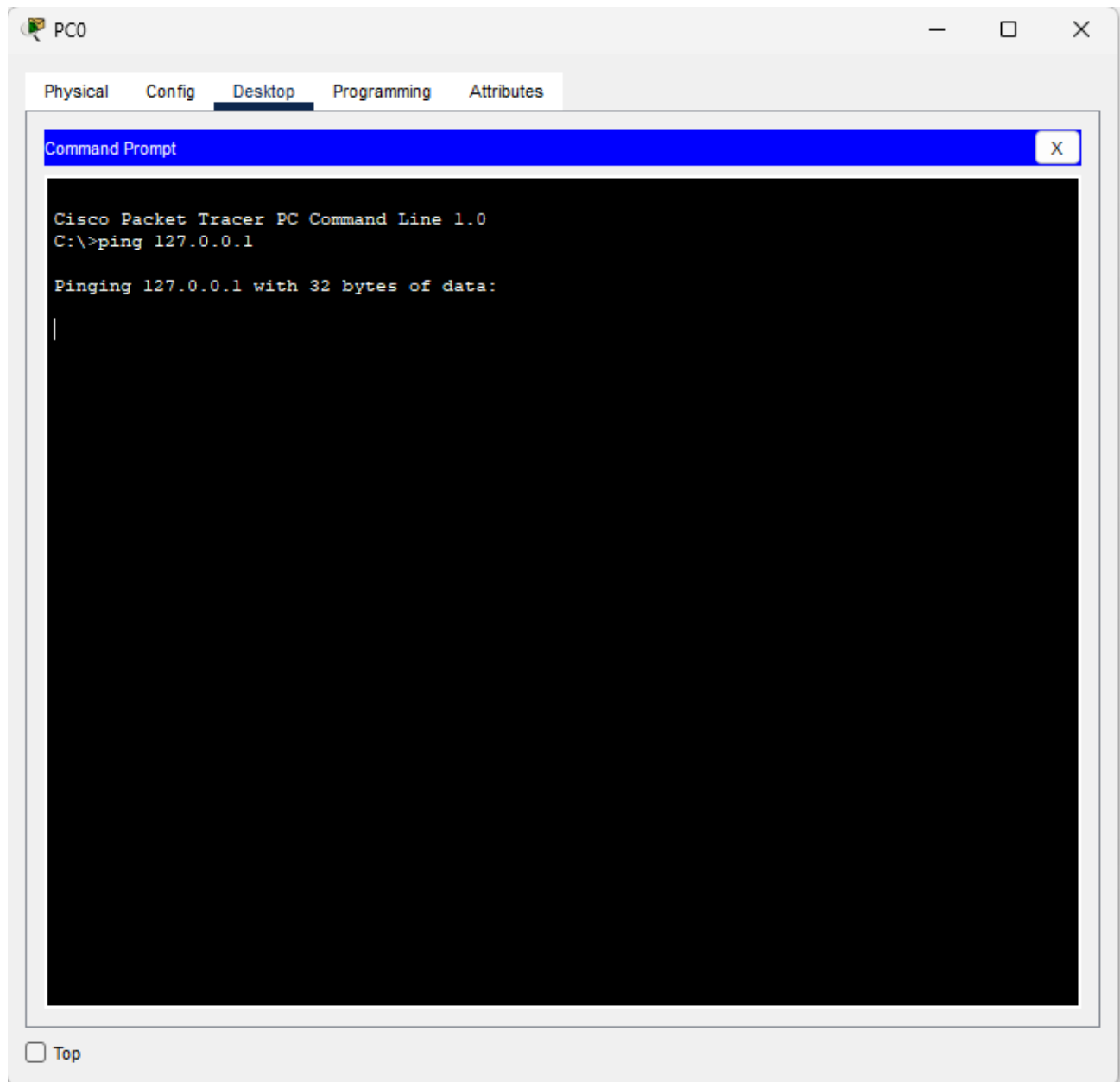


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Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--

Reset Simulation

☒ Constant Delay

Captured to: 0.000 s

Play Controls

Event List Filters - Visible Events

ICMP

Edit Filters

Show All/None

Event List

Realtime

Simulation





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Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.000	--
	0.000	--
	1.000	--
	1.000	--
	1.000	--
	2.000	--
	2.003	--
	2.003	--
	3.007	--
	3.010	--
	3.010	--

Reset Simulation

☒ Constant Delay

Captured to:
421.945 s

Play Controls

Event List Filters - Visible Events

ICMP

Edit Filters

Show All/None





```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 127.0.0.1

Pinging 127.0.0.1 with 32 bytes of data:

Reply from 127.0.0.1: bytes=32 time<1ms TTL=128
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128
Reply from 127.0.0.1: bytes=32 time=3ms TTL=128
Reply from 127.0.0.1: bytes=32 time=3ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>ping 10.0.1.1

Pinging 10.0.1.1 with 32 bytes of data:
|
```





PDU Information at Device: PC0

OSI Model

Outbound PDU Details

At Device: PC0
Source: PC0
Destination: 10.0.1.1

In Layers

Layer7
Layer6
Layer5
Layer4
Layer3
Layer2
Layer1

Out Layers

Layer7
Layer6
Layer5
Layer4
Layer 3: IP Header Src. IP: 10.0.0.1, Dest. IP: 10.0.1.1 ICMP Message Type: 8
Layer 2:
Layer1

1. The Ping process starts the next ping request.
2. The Ping process creates an ICMP Echo Request message and sends it to the lower process.
3. The source IP address is not specified. The device sets it to the port's IP address.
4. The destination IP address 10.0.1.1 is not in the same subnet and is not the broadcast address.
5. The default gateway is set. The device sets the next-hop to default gateway.

Challenge Me

<< Previous Layer

Next Layer >>

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PRECURSOR DE LA REVOLUCIÓN MEXICANA



Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	6.008	Switch1
	6.009	PC3
	6.010	Switch1
	6.011	Router0
	6.012	Switch0
	7.013	--
	7.014	PC0
	7.015	Switch0
	7.016	Router0
	7.017	Switch1
	7.018	PC3
	7.019	Switch1
	7.020	Router0
	7.021	Switch0
	8.023	--
	8.024	PC0
	8.025	Switch0
	8.026	Router0
	8.027	Switch1
	8.028	PC3
	8.029	Switch1
	8.030	Router0
	8.031	Switch0

Reset Simulation ☒ Constant Delay Captured to: 417.856 s

Play Controls

Event List Filters - Visible Events

ICMP

Edit Filters Show All/None





PDU Information at Device: PC0

OSI Model | Inbound PDU Details

At Device: PC0
Source: PC0
Destination: 10.0.1.1

In Layers

- Layer7
- Layer6
- Layer5
- Layer4
- Layer 3: IP Header Src. IP: 10.0.1.1, Dest. IP: 10.0.0.1 ICMP Message Type: 0
- Layer 2: Ethernet II Header 00D0.5828.E002 >> 00D0.97DE.47BC
- Layer 1: Port FastEthernet0

Out Layers

- Layer7
- Layer6
- Layer5
- Layer4
- Layer3
- Layer2
- Layer1

1. FastEthernet0 receives the frame.

Challenge Me

<< Previous Layer

Next Layer >>



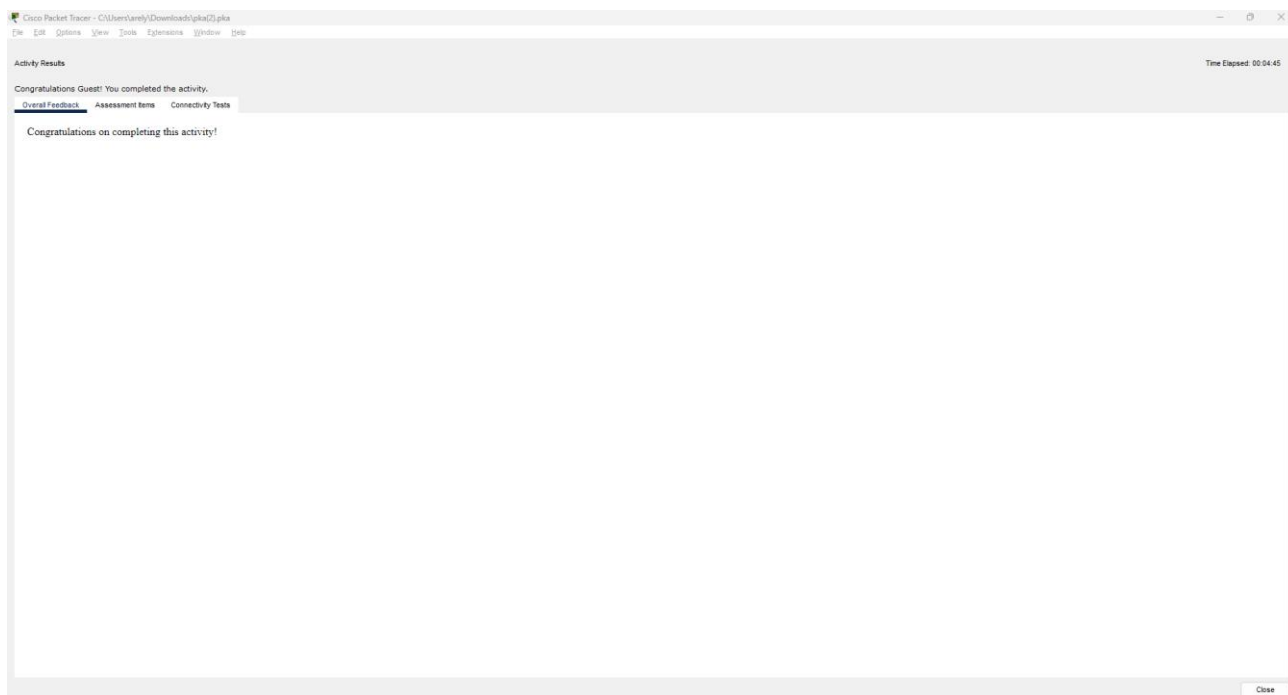


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