



# CONEXION DHCP Y DNS

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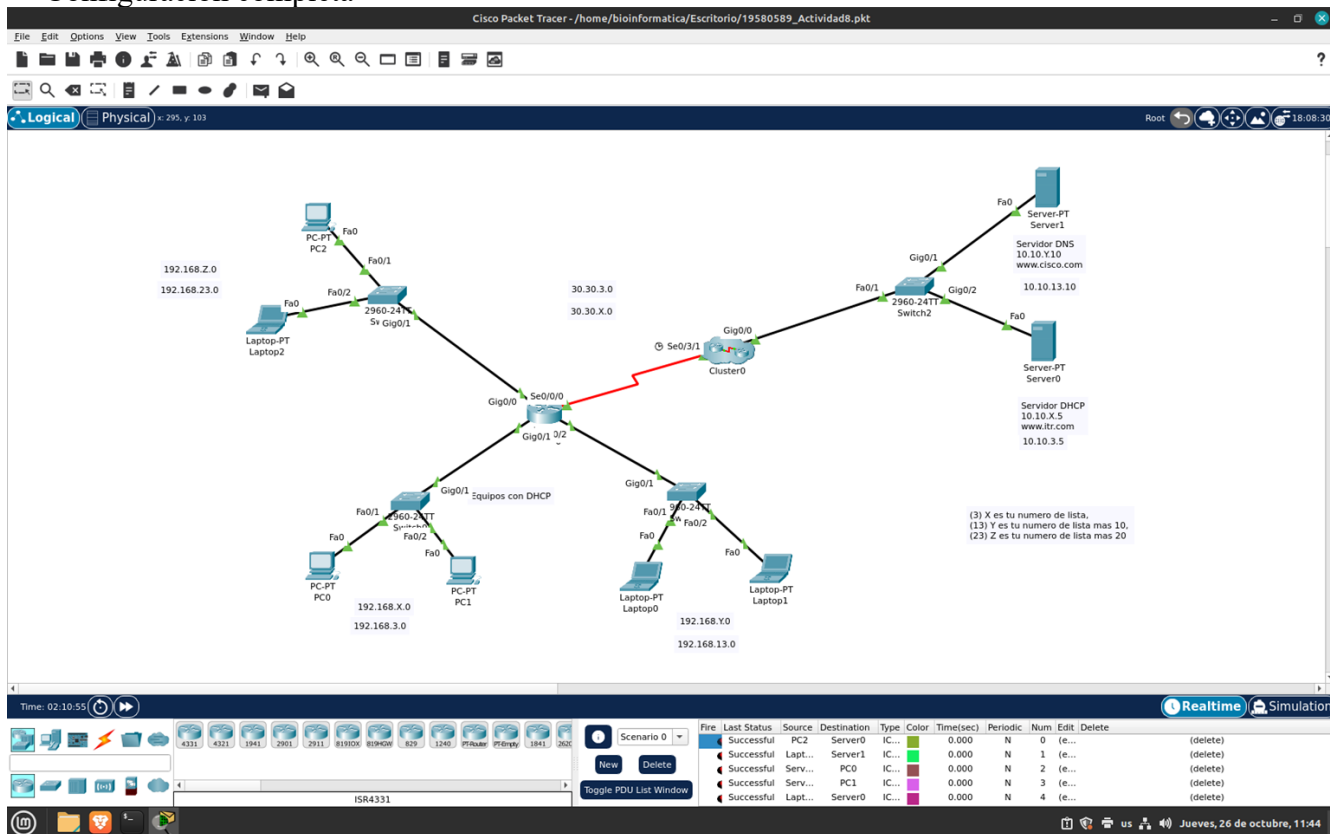
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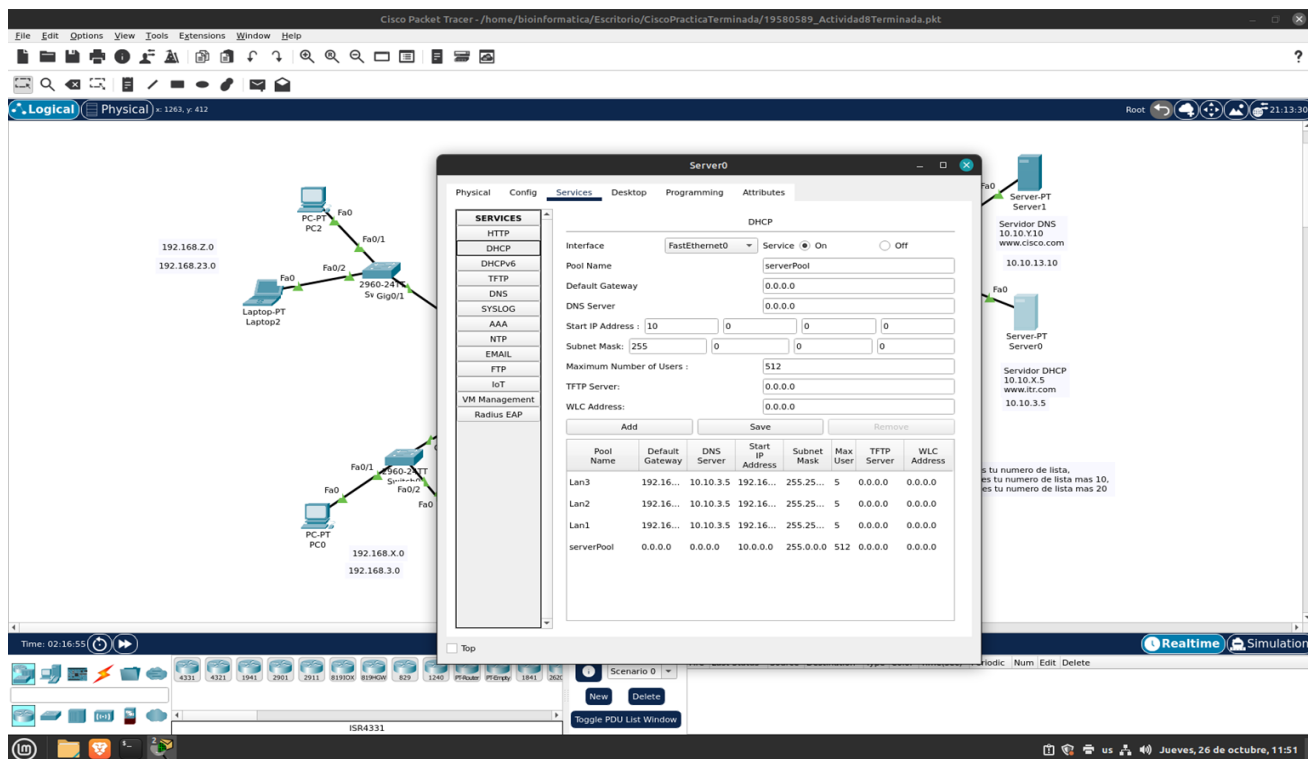
Proyectos de innovación

Patricia Martínez Vázquez

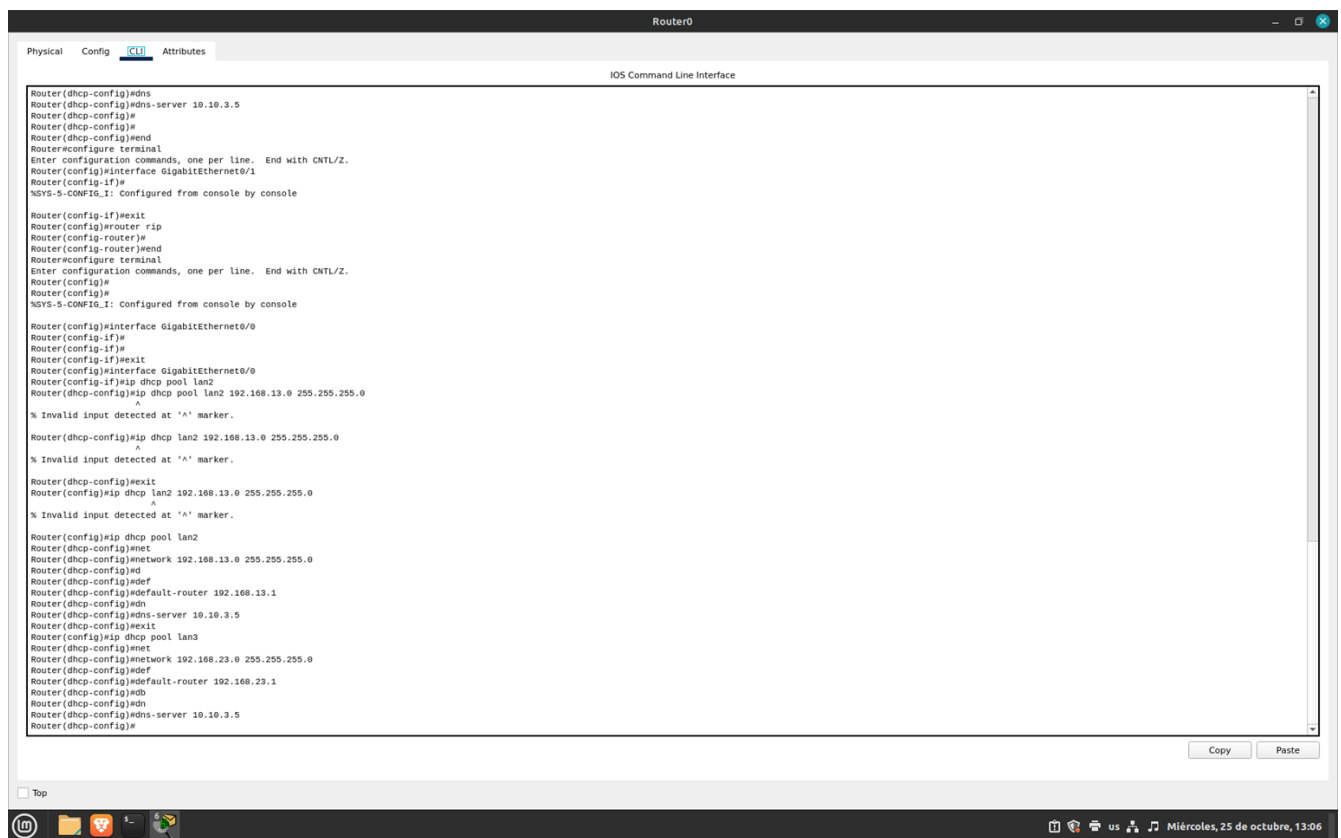
## Configuración completa



### Cuadro de dialogo de servidor DHCP en servicio DHCP



## Cuadro de dialogo de CLI configuracion DHCP en router



```
Router0
Physical Config CLI Attributes
IOS Command Line Interface

Router(dhcp-config)#dns
Router(dhcp-config)#dns-server 10.10.3.5
Router(dhcp-config)#
Router(dhcp-config)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
%SYS-5-CONFIG-I: Configured from console by console

Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG-I: Configured from console by console

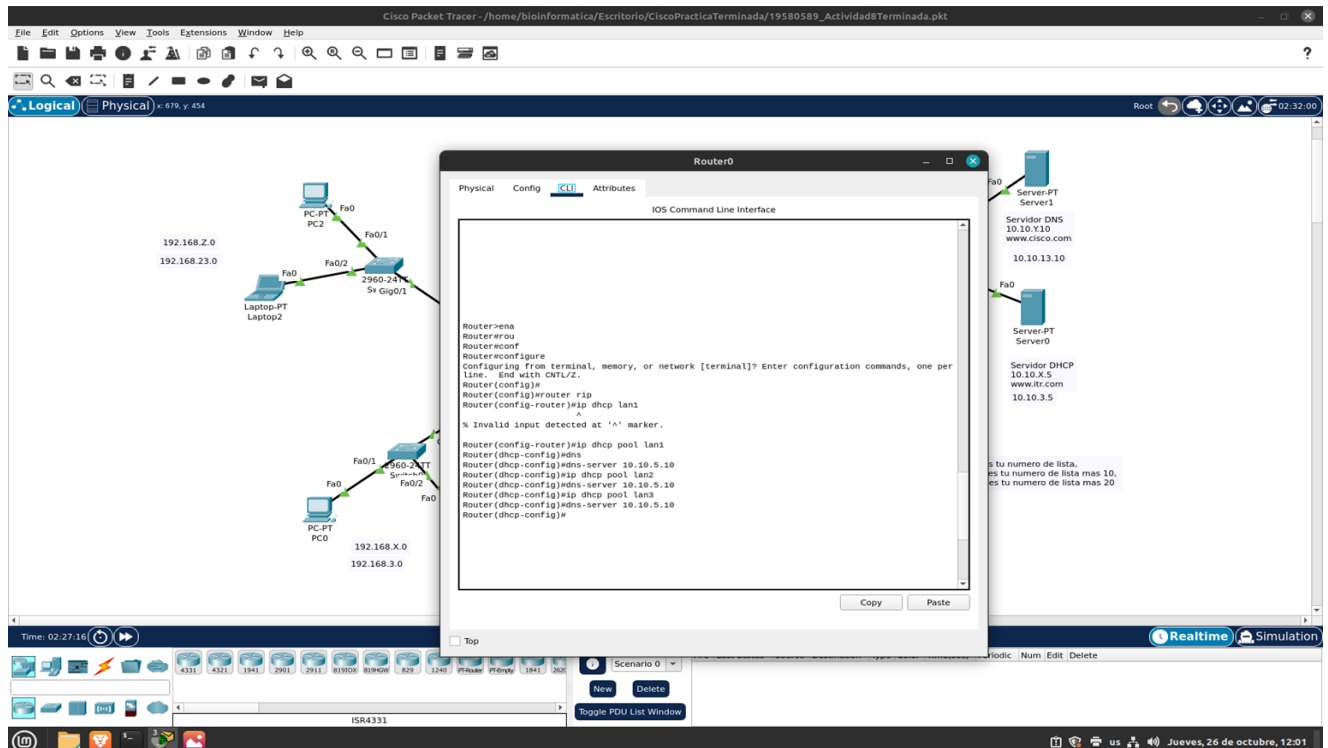
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip dhcp pool lan2
Router(dhcp-config)#ip dhcp pool lan2 192.168.13.0 255.255.255.0
% Invalid input detected at '^' marker.

Router(dhcp-config)#ip dhcp lan2 192.168.13.0 255.255.255.0
% Invalid input detected at '^' marker.

Router(dhcp-config)#exit
Router(config)#ip dhcp lan2 192.168.13.0 255.255.255.0
% Invalid input detected at '^' marker.

Router(config)#ip dhcp pool lan2
Router(dhcp-config)#net
Router(dhcp-config)#network 192.168.13.0 255.255.255.0
Router(dhcp-config)#def
Router(dhcp-config)#default-router 192.168.13.1
Router(dhcp-config)#dn
Router(dhcp-config)#dns-server 10.10.3.5
Router(dhcp-config)#exit
Router(config)#ip dhcp pool lan3
Router(dhcp-config)#net
Router(dhcp-config)#network 192.168.23.0 255.255.255.0
Router(dhcp-config)#def
Router(dhcp-config)#default-router 192.168.23.1
Router(dhcp-config)#db
Router(dhcp-config)#dns-server 10.10.3.5
Router(dhcp-config)#
```

(se realizaron cambios en el DNS server, 2da imagen)



## PC o laptop LAN1, LAN2 y LAN3 donde muestra ip DHCP

This screenshot shows the Cisco Packet Tracer interface with the configuration window for PC2 open. The network topology includes PC-PT PC2, Laptop-PT Laptop2, and two servers: Server-PT Server1 and Server-PT Server0. The configuration window for PC2 is set to the 'Config' tab, showing the 'IP Configuration' for the 'FastEthernet0' interface. The 'DHCP' option is selected under 'IP Configuration'. The 'IPv4 Configuration' section shows the following values: IP Address (192.168.23.2), Subnet Mask (255.255.255.0), Default Gateway (192.168.23.1), and DNS Server (10.10.5.10). The 'IPv6 Configuration' section shows the 'Static' option selected, with the Link Local Address set to FE80::202:16FF:FE84:CD6. The '802.1X Security' section is also visible, with the 'Use 802.1X Security' checkbox unchecked. The bottom status bar shows the time as 02:29:36 and the date as Jueves, 26 de octubre, 12:04.

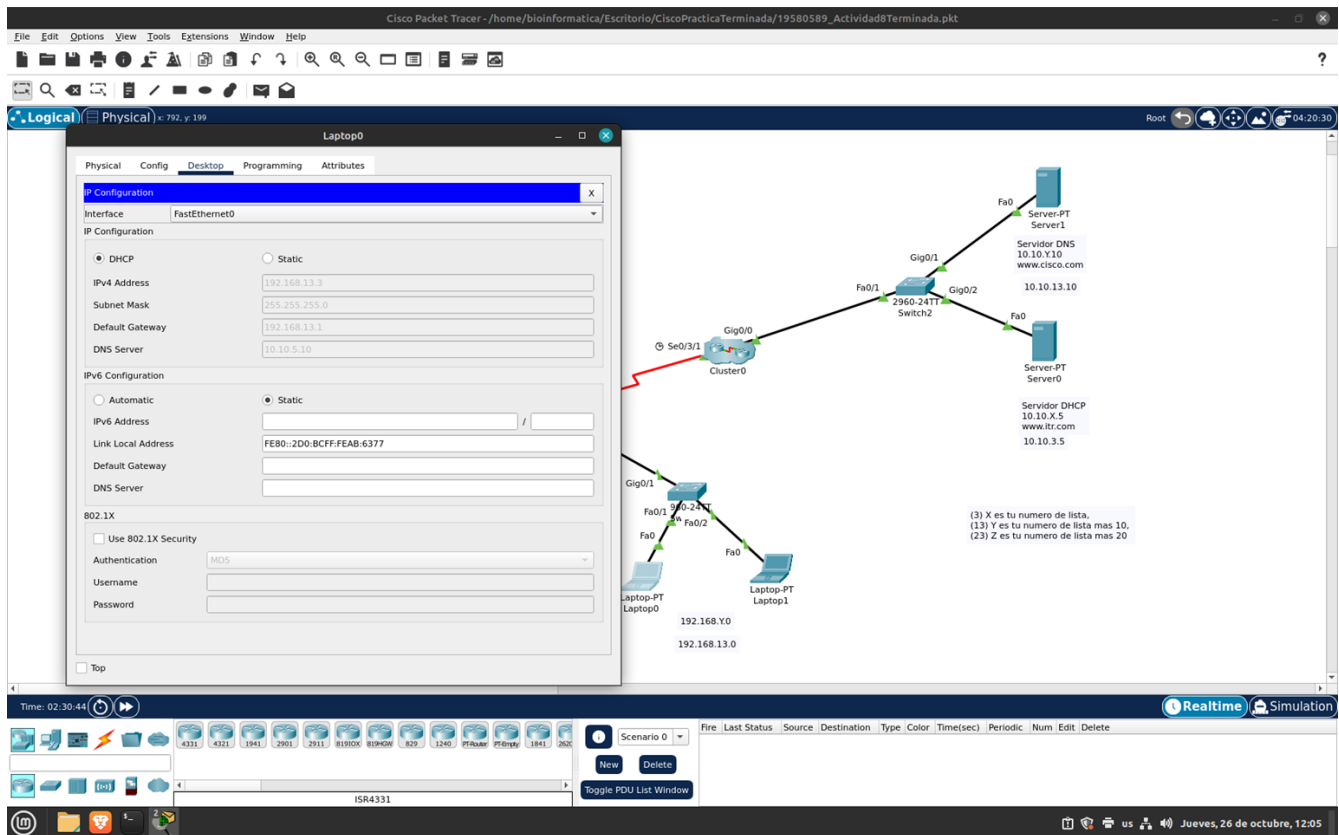
PC2 Configuration:

- Interface: FastEthernet0
- IP Configuration: DHCP
- IPv4 Configuration:
  - IP Address: 192.168.23.2
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 192.168.23.1
  - DNS Server: 10.10.5.10
- IPv6 Configuration: Static
  - Link Local Address: FE80::202:16FF:FE84:CD6
- 802.1X Security: Use 802.1X Security (unchecked)

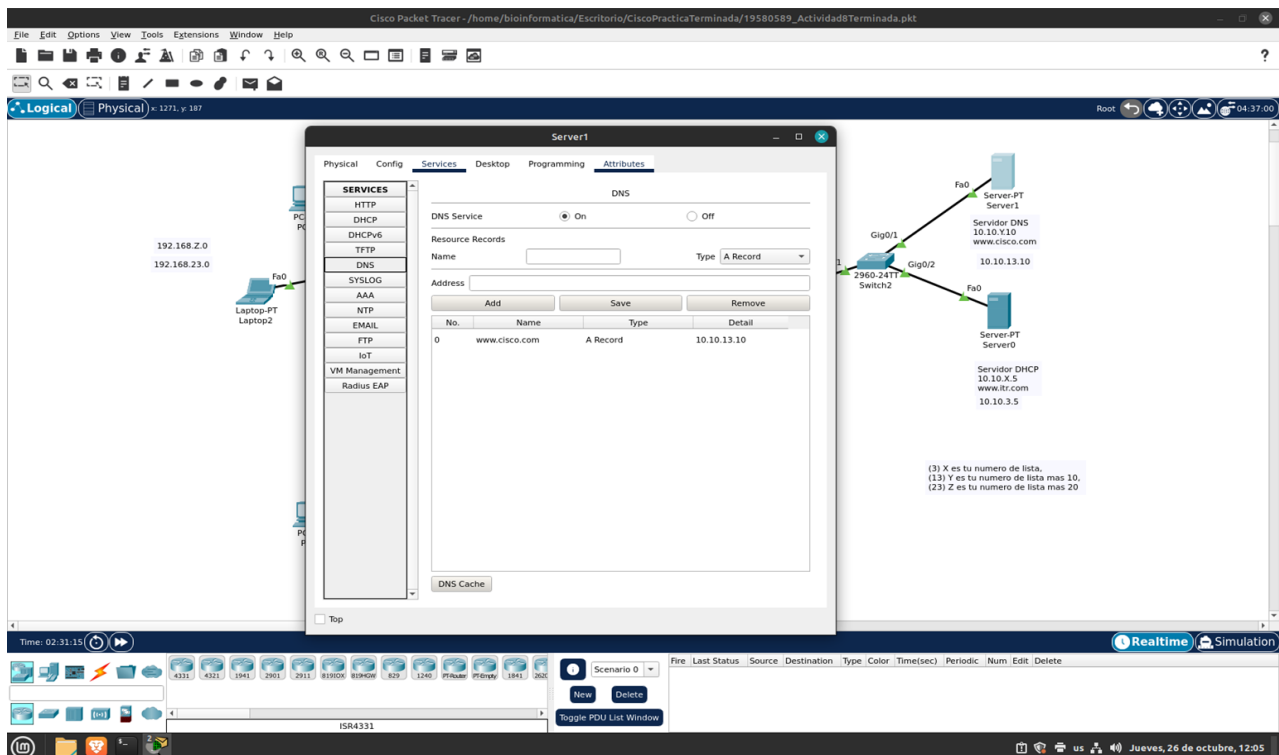
This screenshot shows the Cisco Packet Tracer interface with the configuration window for PC1 open. The network topology includes PC-PT PC2, Laptop-PT Laptop2, and two servers: Server-PT Server1 and Server-PT Server0. The configuration window for PC1 is set to the 'Config' tab, showing the 'IP Configuration' for the 'FastEthernet0' interface. The 'DHCP' option is selected under 'IP Configuration'. The 'IPv4 Configuration' section shows the following values: IP Address (192.168.3.3), Subnet Mask (255.255.255.0), Default Gateway (192.168.3.1), and DNS Server (10.10.5.10). The 'IPv6 Configuration' section shows the 'Static' option selected, with the Link Local Address set to FE80::2D0:D3FF:FEC3:CE5C. The '802.1X Security' section is also visible, with the 'Use 802.1X Security' checkbox unchecked. The bottom status bar shows the time as 02:30:19 and the date as Jueves, 26 de octubre, 12:04.

PC1 Configuration:

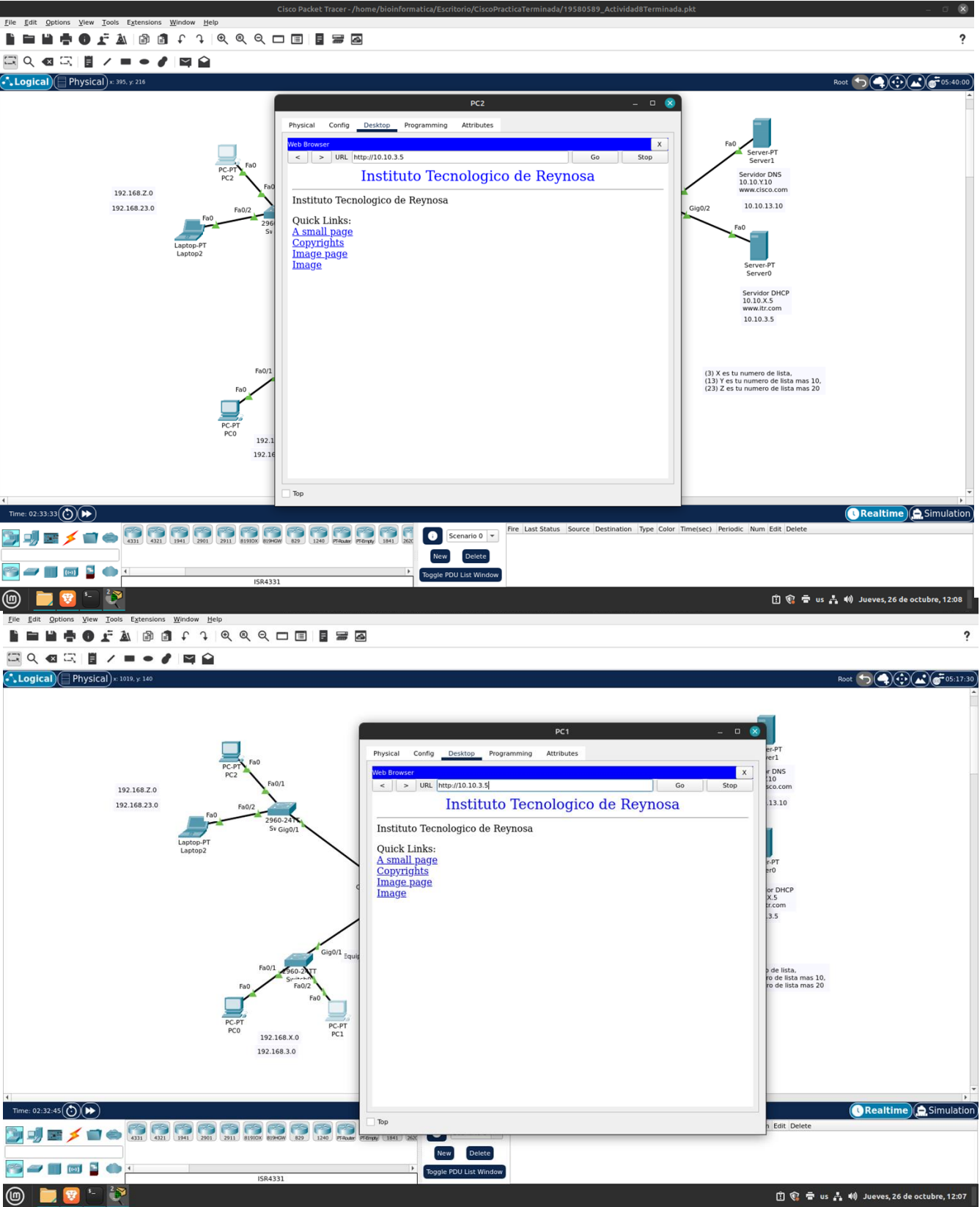
- Interface: FastEthernet0
- IP Configuration: DHCP
- IPv4 Configuration:
  - IP Address: 192.168.3.3
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 192.168.3.1
  - DNS Server: 10.10.5.10
- IPv6 Configuration: Static
  - Link Local Address: FE80::2D0:D3FF:FEC3:CE5C
- 802.1X Security: Use 802.1X Security (unchecked)

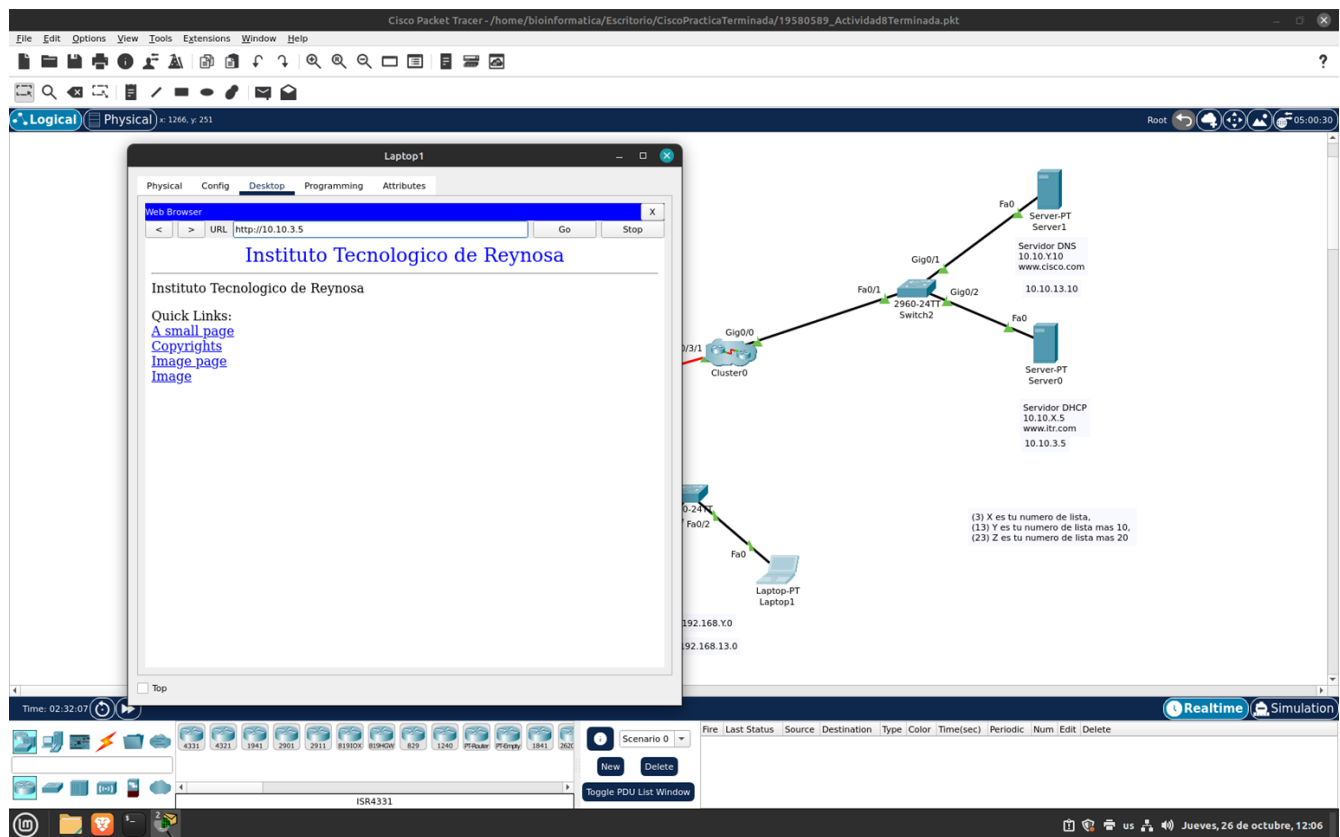


## Cuadro de dialogo de servidor DNS, en servicio DNS

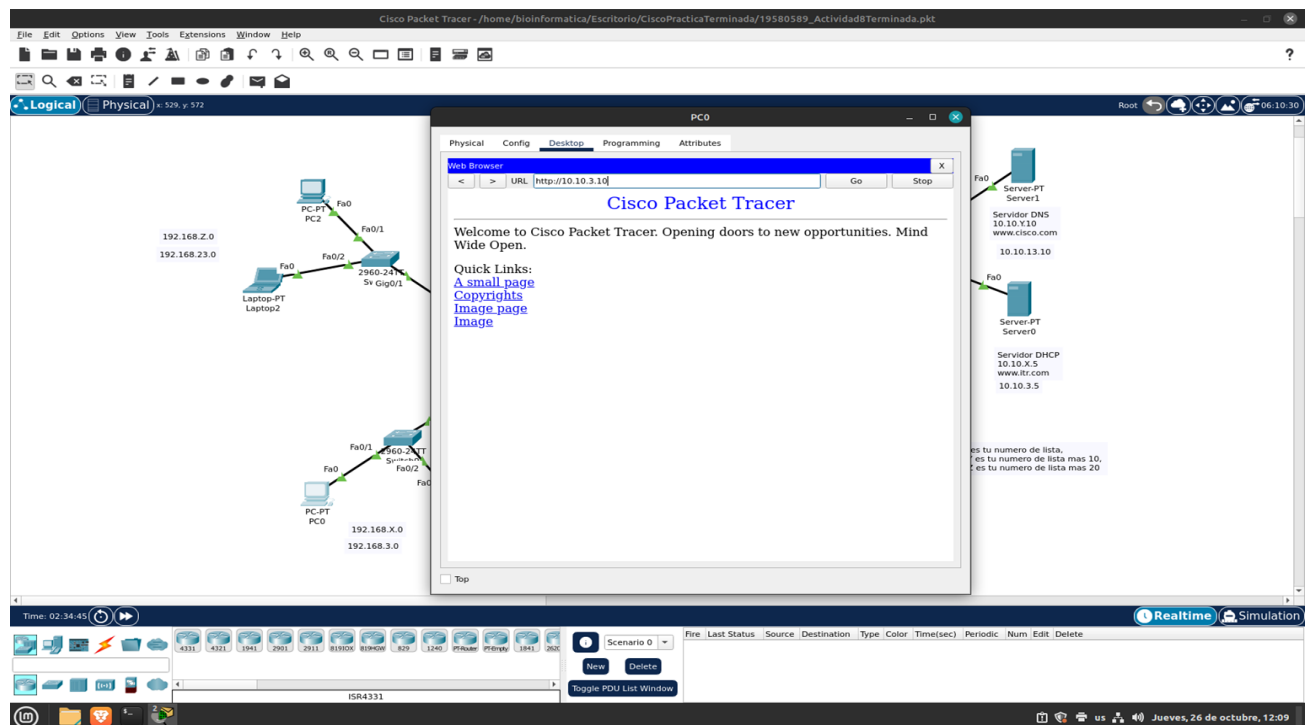


Navegador en Laptop1, PC1 y PC2 donde muestre [www.itr.com](http://www.itr.com) (10.10.3.5)





Navegador Laptop0 y PC0 donde muestre www.cisco.com (10.10.3.10)



Cisco Packet Tracer - /home/bioinformatica/Escritorio/CiscoPracticaTerminada/19580589\_Actividad8Terminada.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x 874, y 140

Root 05:52:30

**Laptop0**

Physical Config Desktop Programming Attributes

Web Browser

URL: http://10.10.3.10 Go Stop

**Cisco Packet Tracer**

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Top

Network Diagram:

- Cluster0 (Se0/3/1) connected to 2960-24TT Switch2 (Gig0/1).
- Switch2 (Gig0/2) connected to Server-PT Server1 (Fa0) and Server-PT Server0 (Fa0).
- Switch2 (Gig0/1) connected to 2960-24TT Switch1 (Fa0/1).
- Switch1 (Fa0/2) connected to Laptop-PT Laptop0 (Fa0) and Laptop-PT Laptop1 (Fa0).

IP Addresses:

- Server-PT Server1: 10.10.Y.10, www.cisco.com, 10.10.13.10
- Server-PT Server0: 10.10.X.5, www.it.com, 10.10.3.5
- Laptop-PT Laptop0: 192.168.Y.0
- Laptop-PT Laptop1: 192.168.13.0

(3) X es tu numero de lista,  
(13) Y es tu numero de lista mas 10,  
(23) Z es tu numero de lista mas 20

Time: 02:34:04

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

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

ISR4331

Jueves, 26 de octubre, 12:08