

LAPORAN AKHIR PRAKTIKUM

Mata Praktikum : Jaringan Komputer
Kelas : 3IA02
Praktikum ke- : 3
Tanggal : 2/11/22
Materi : DNS dan Mail Server
NPM : 50420562
Nama : Ibrahim Bramullah
Ketua Asisten : David
Paraf Asisten :
Nama Asisten :
Jumlah Lembar : 28 Lembar

LABORATORIUM TEKNIK INFORMATIKA

UNIVERSITAS GUNADARMA

2022

Soal : Buatlah laporan berisikan Screenshot dan langkah-langkah yang dilakukan seperti pada video/activity

~~Guest Login

netacad.com Login

cisco

Log in

Email

Next

[Unlock account?](#)

[Forgot email address?](#)

[Help](#)

Don't have an account? [Sign up](#)

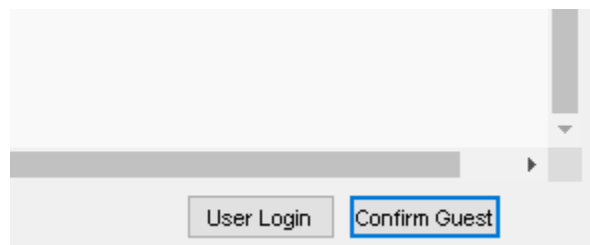
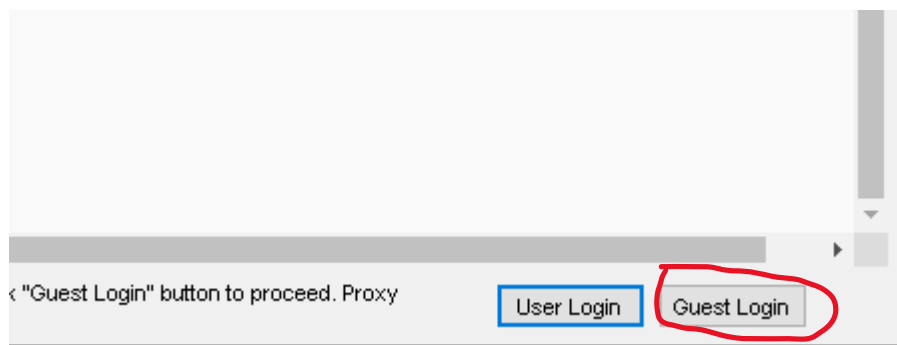
By continuing to use our website, you acknowledge the use of cookies.

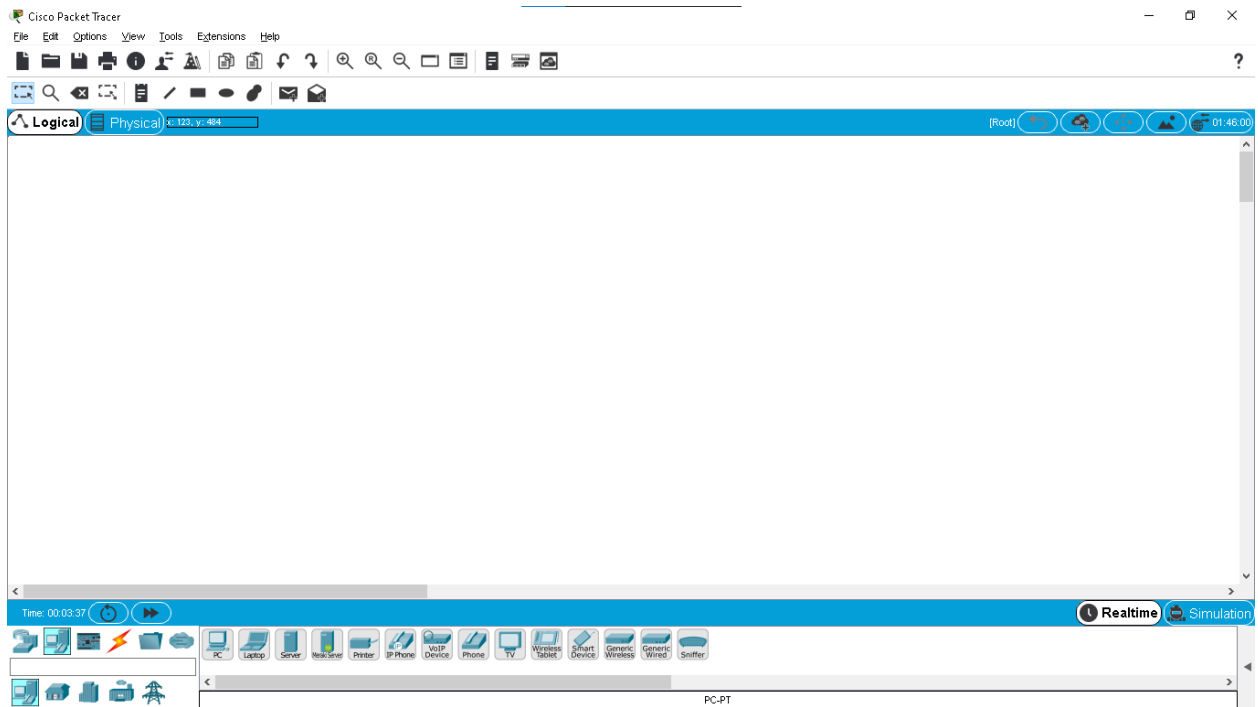
[Privacy Statement](#) > [Change Settings](#) >

[Terms & Conditions](#) [Cookies](#) [Trademarks](#)

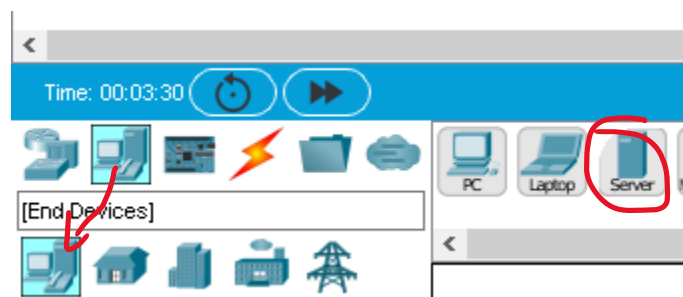
A Cisco Netacad.com account is required to use the full features of Packet Tracer. Please sign in with your Netacad.com Credentials. If you do not have a Netacad.com account, please click "Guest Login" button to proceed. Proxy can be set in the Preferences.

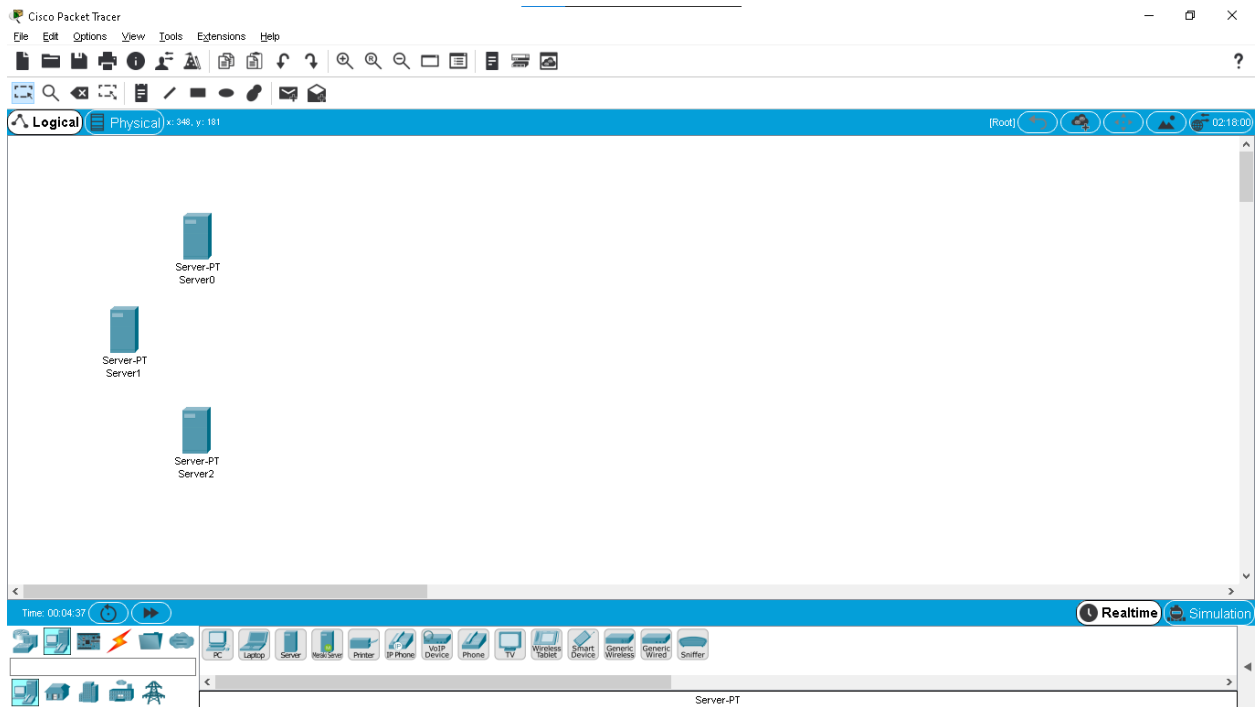
[User Login](#) [Guest Login](#)





~Pilih 3 Server (pada EndDevice)

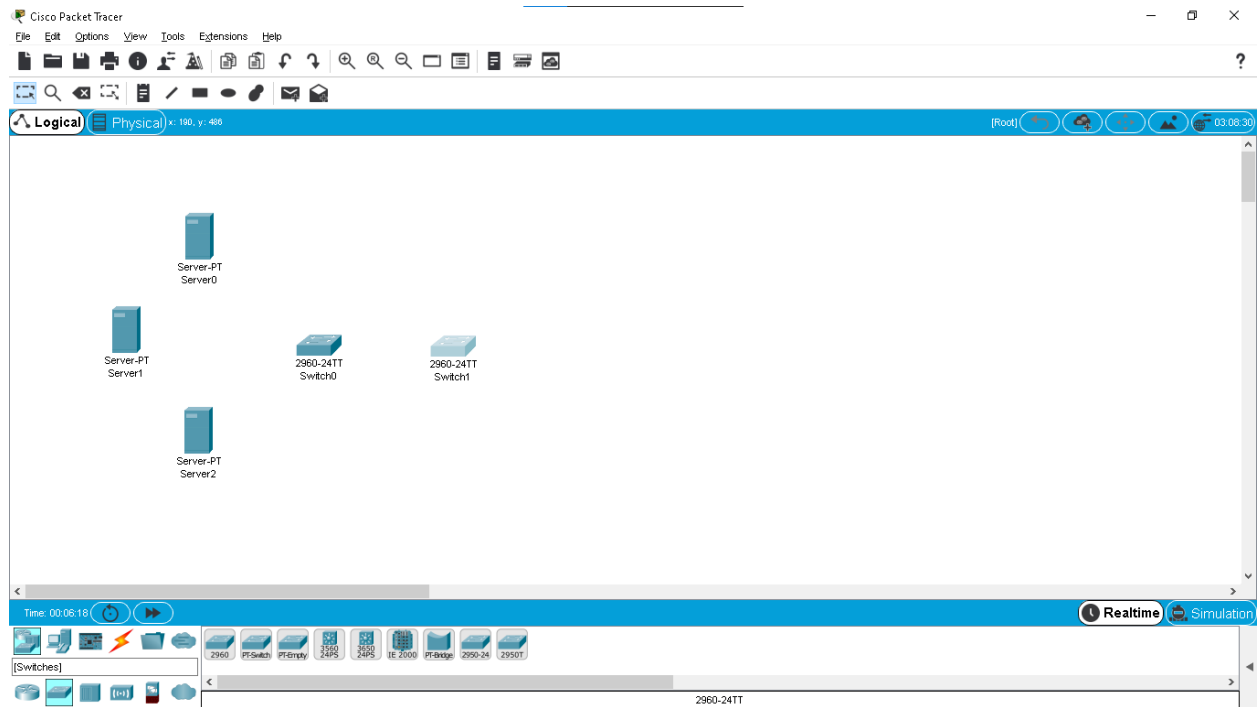




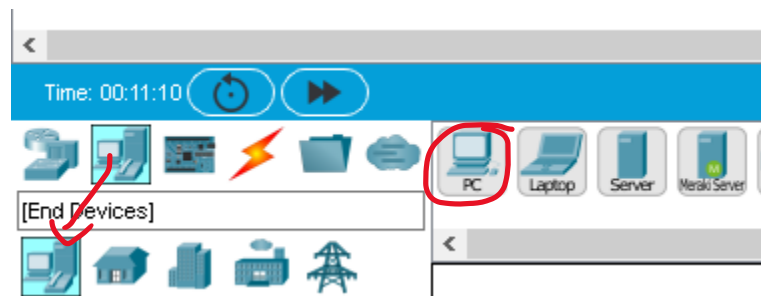
~~Pilih 2 2960 Switch (pada Switches)



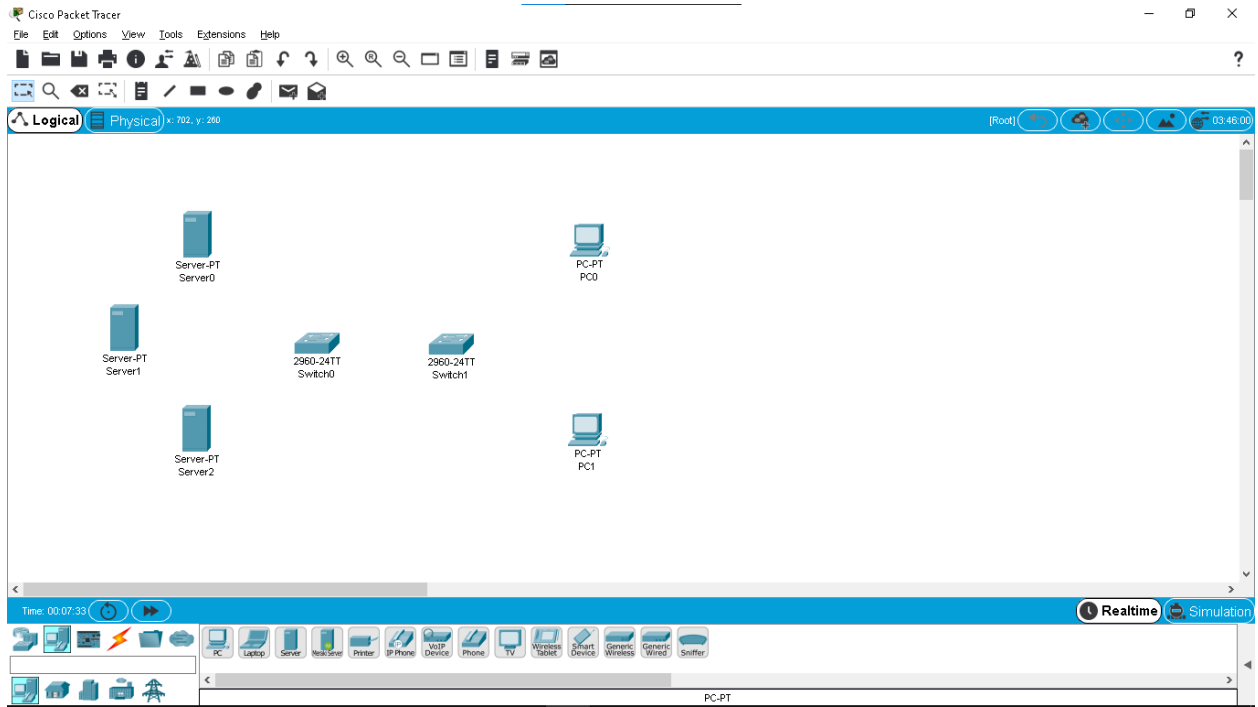
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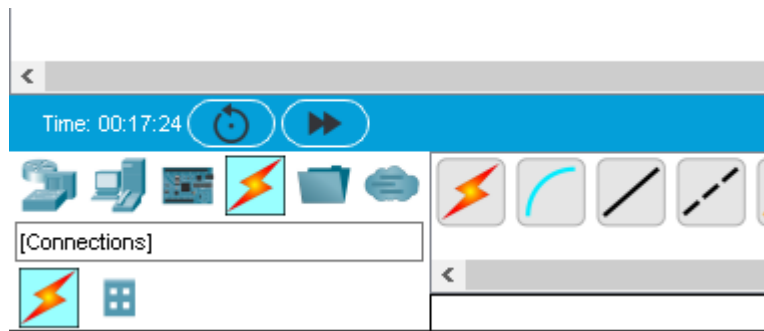
~~Pilih 2 PC (pada EndDevice)



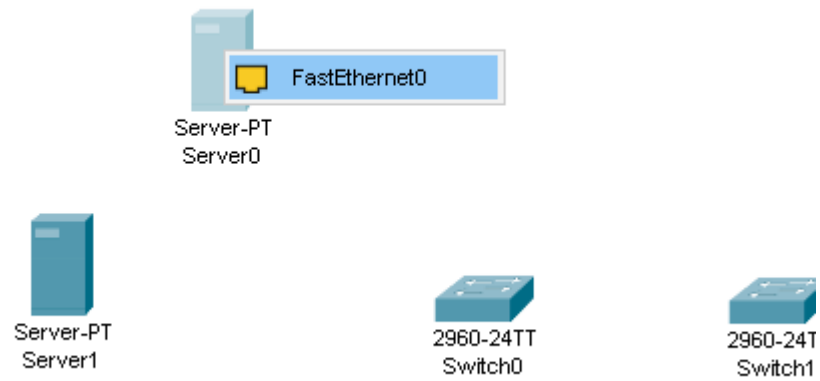
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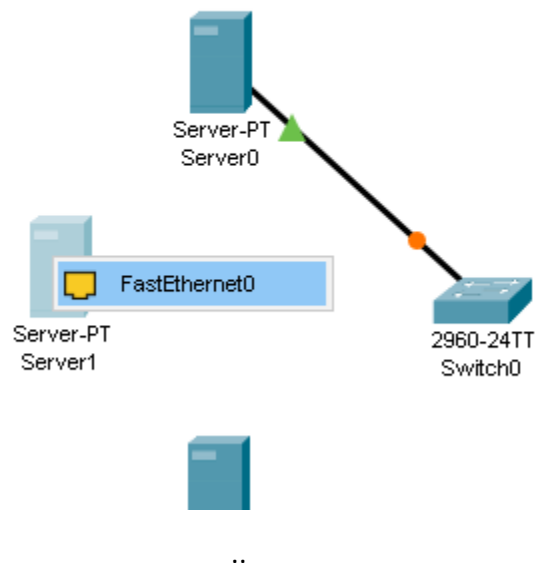
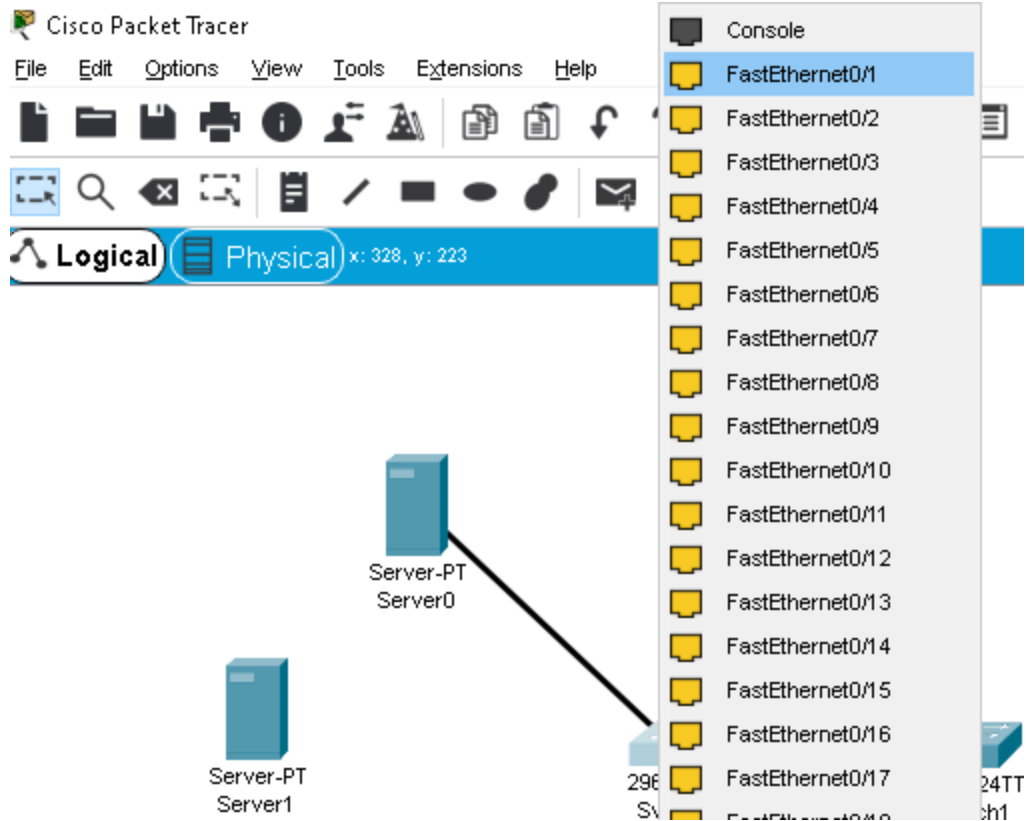
~Pilih Cabel (pada Connection)

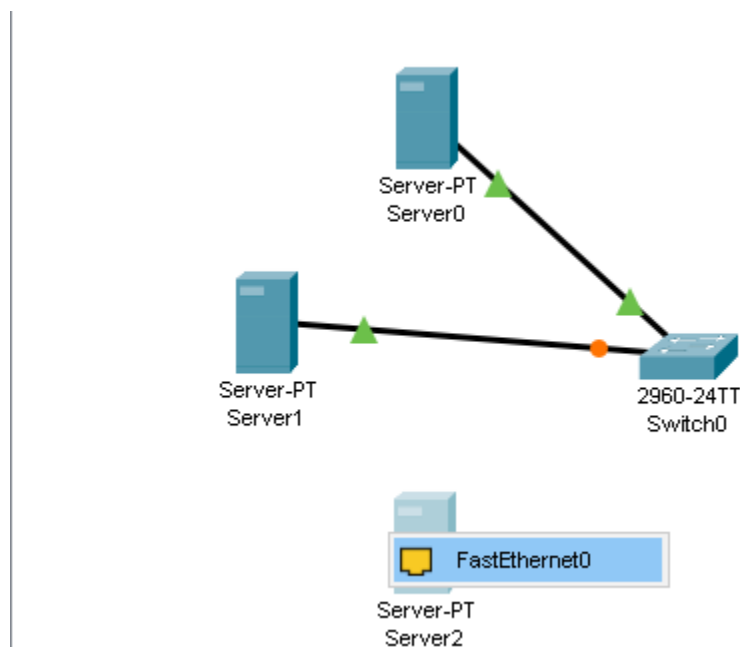
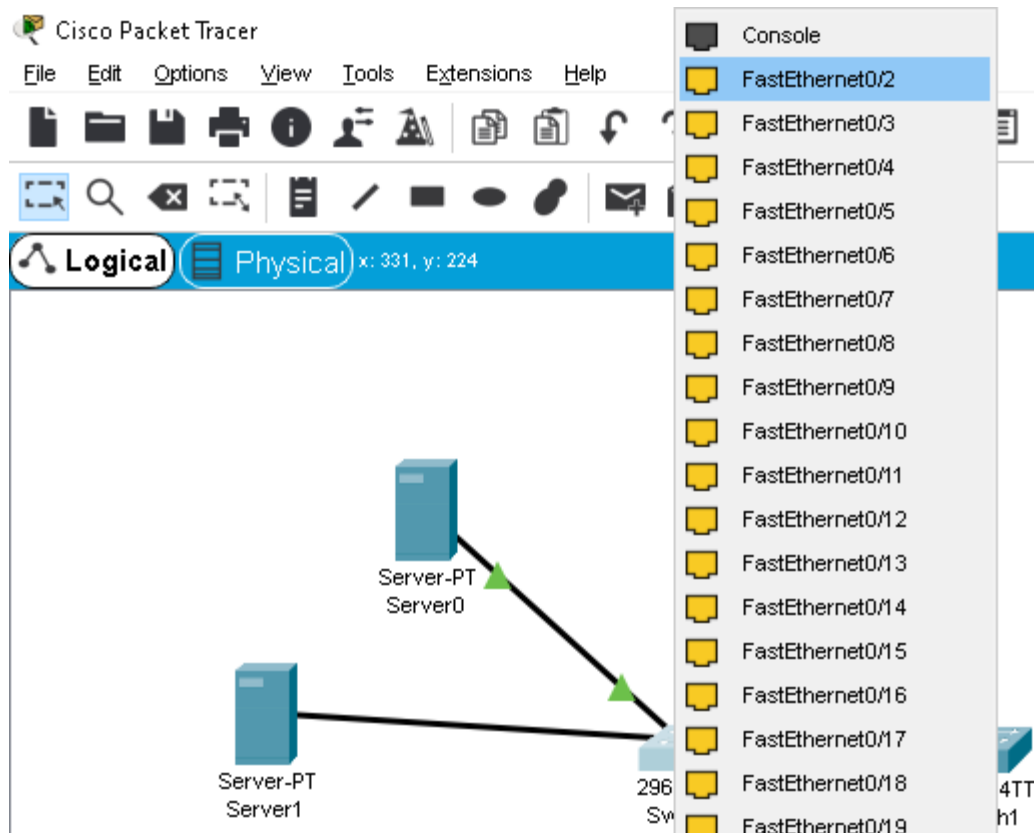


➤ Hubungkan Server dengan Switch

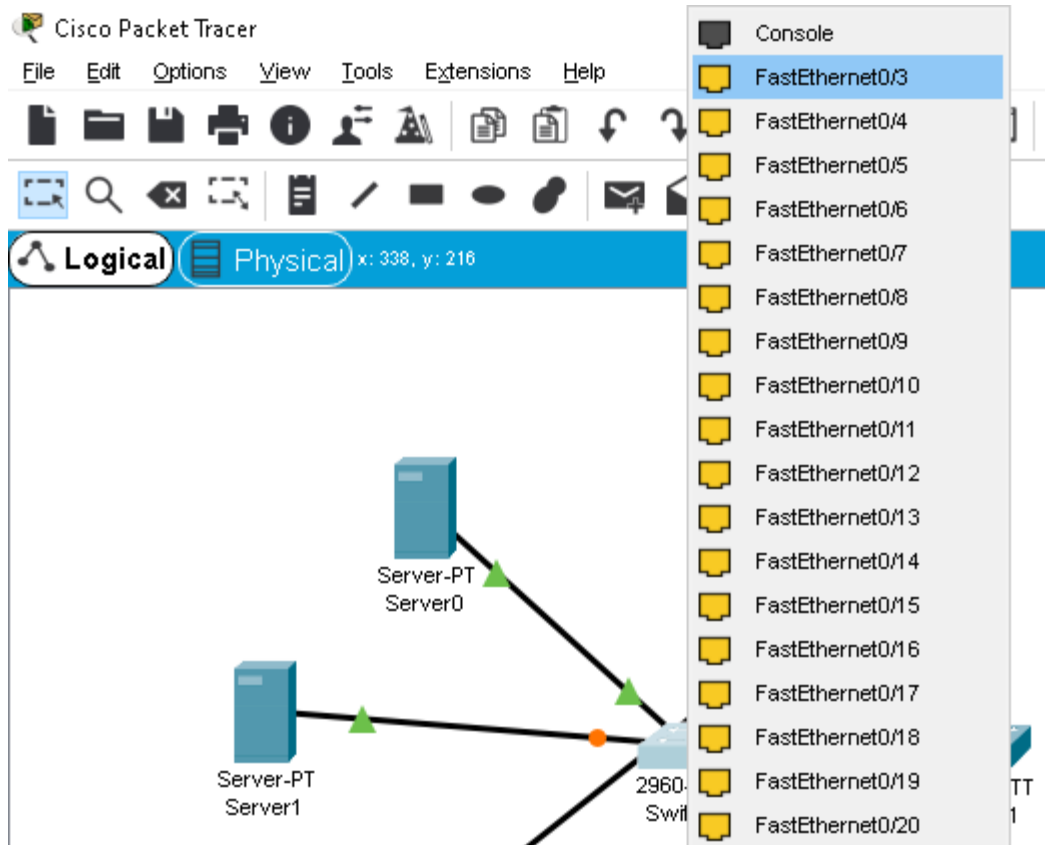


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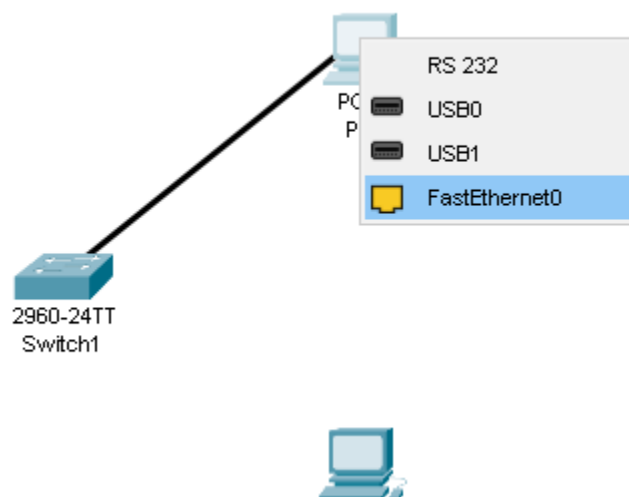
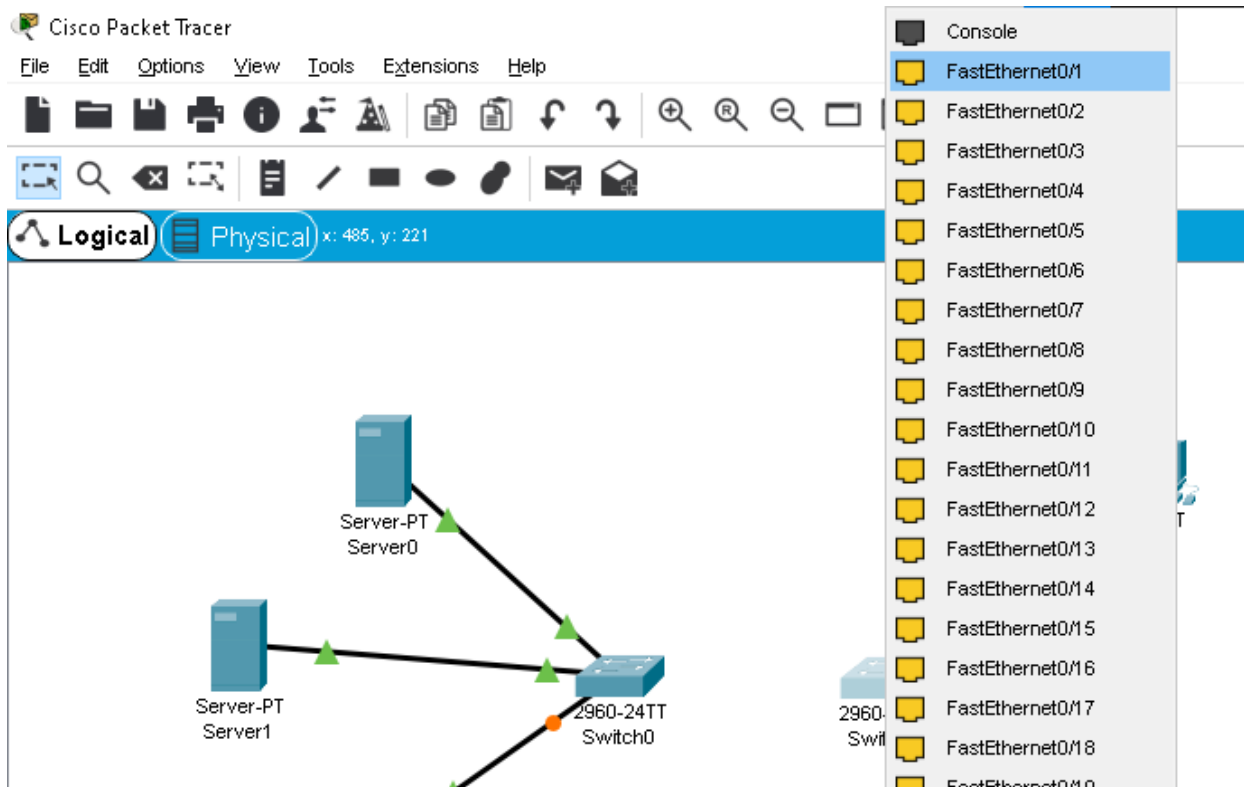


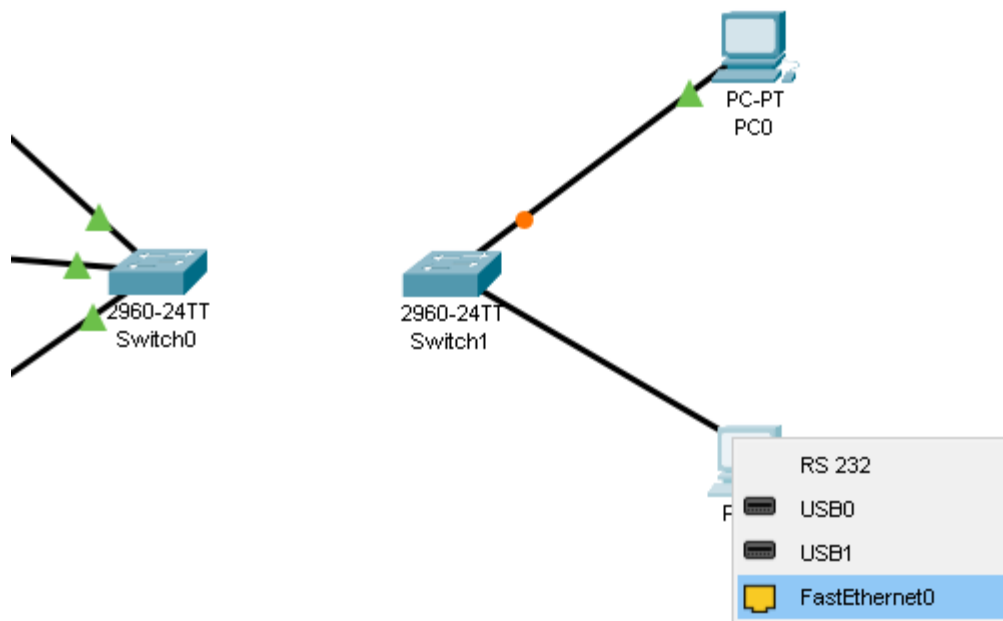


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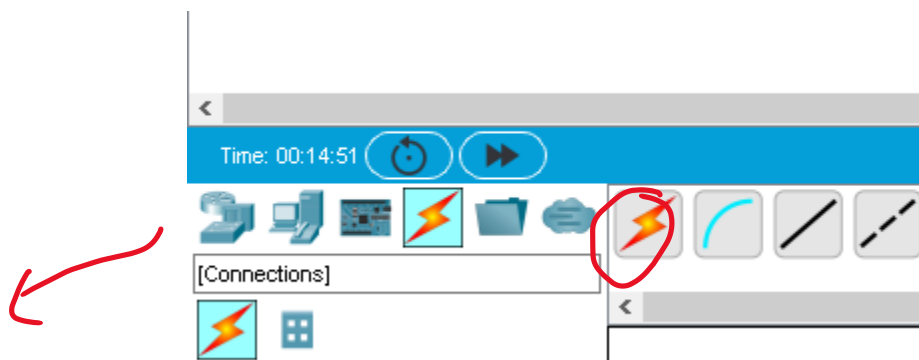


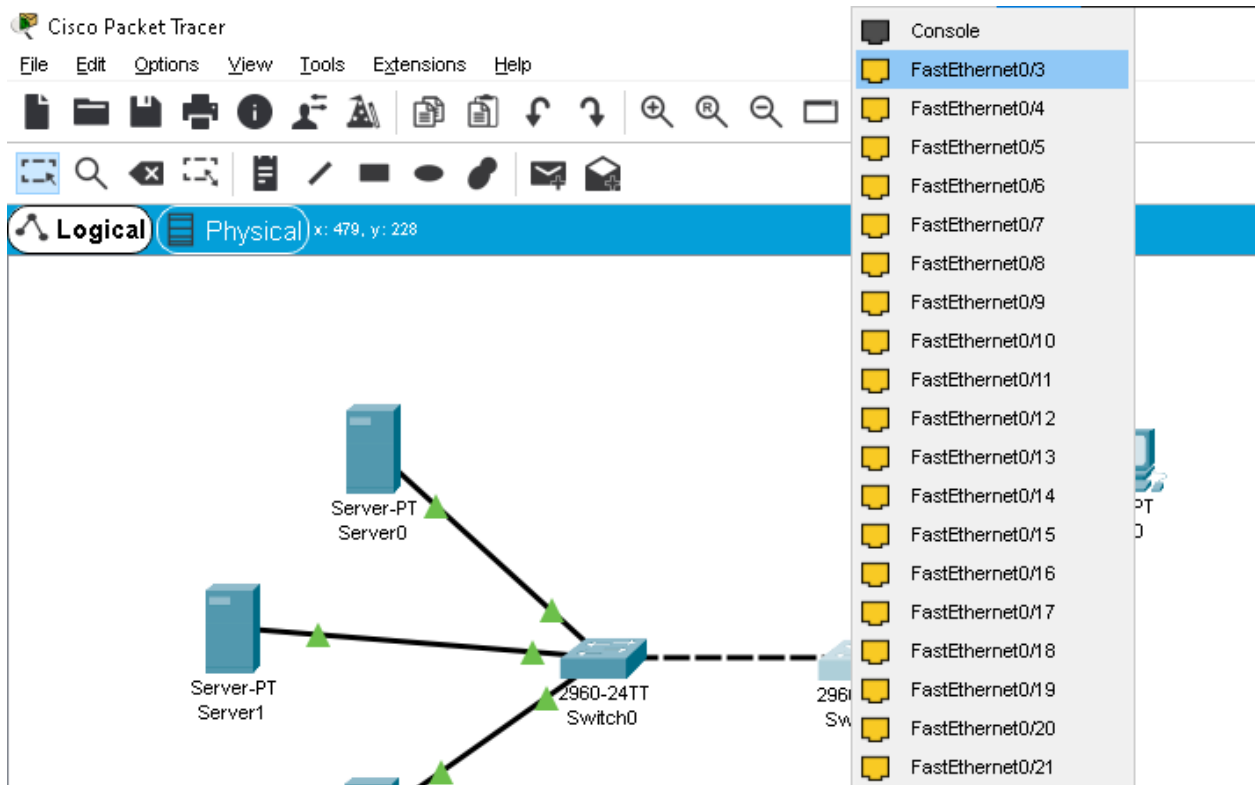
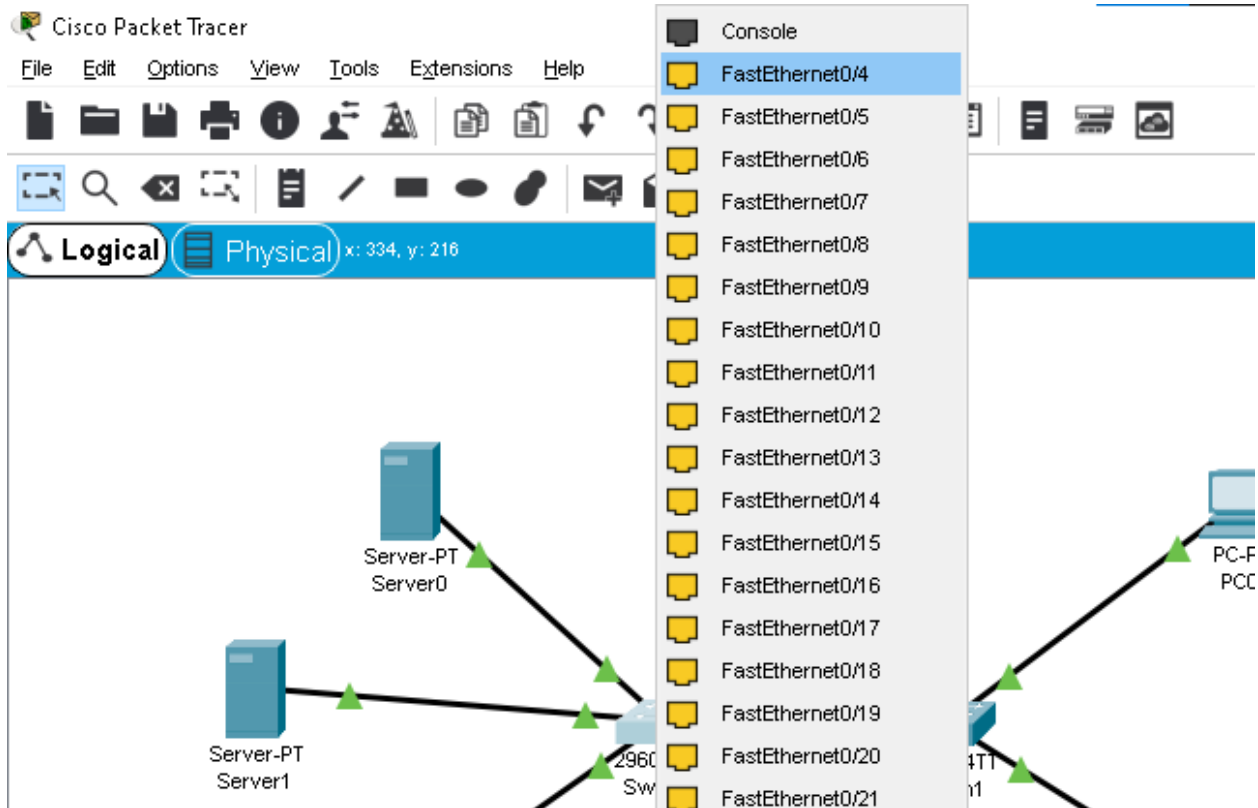
- Hubungkan Switch dengan PC



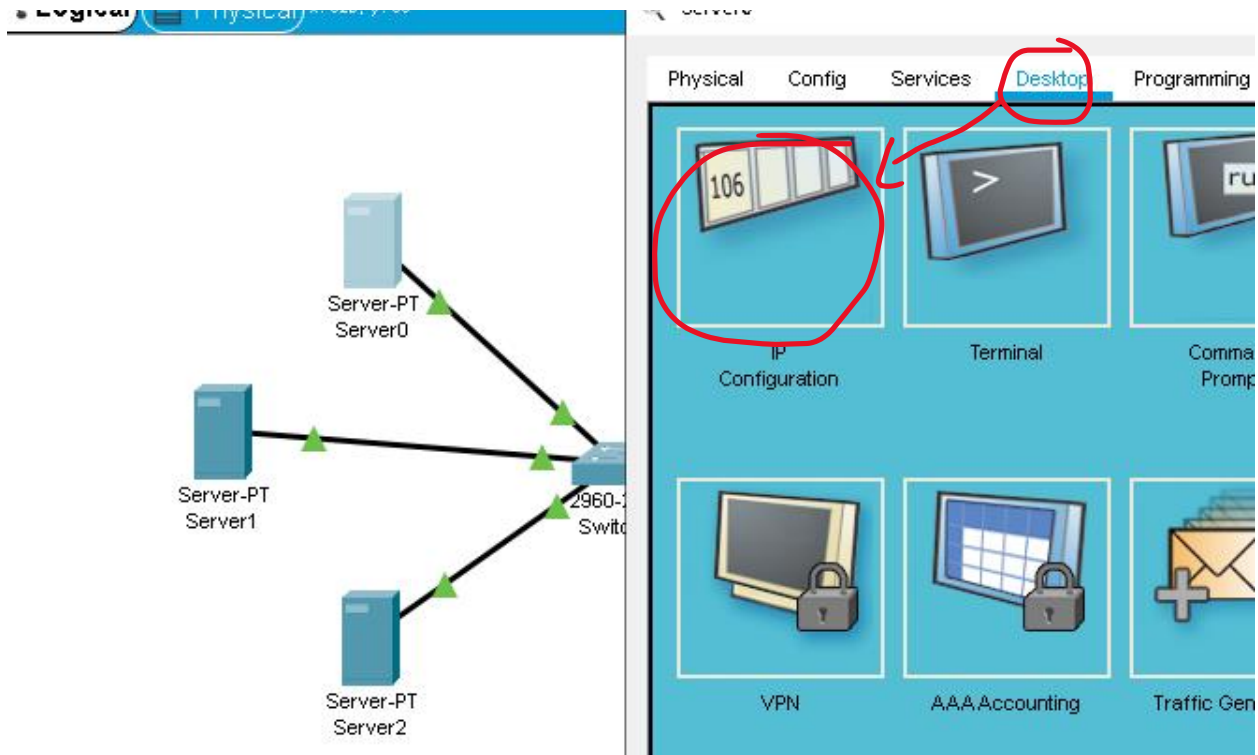


➤ Hubungkan Kedua Switch

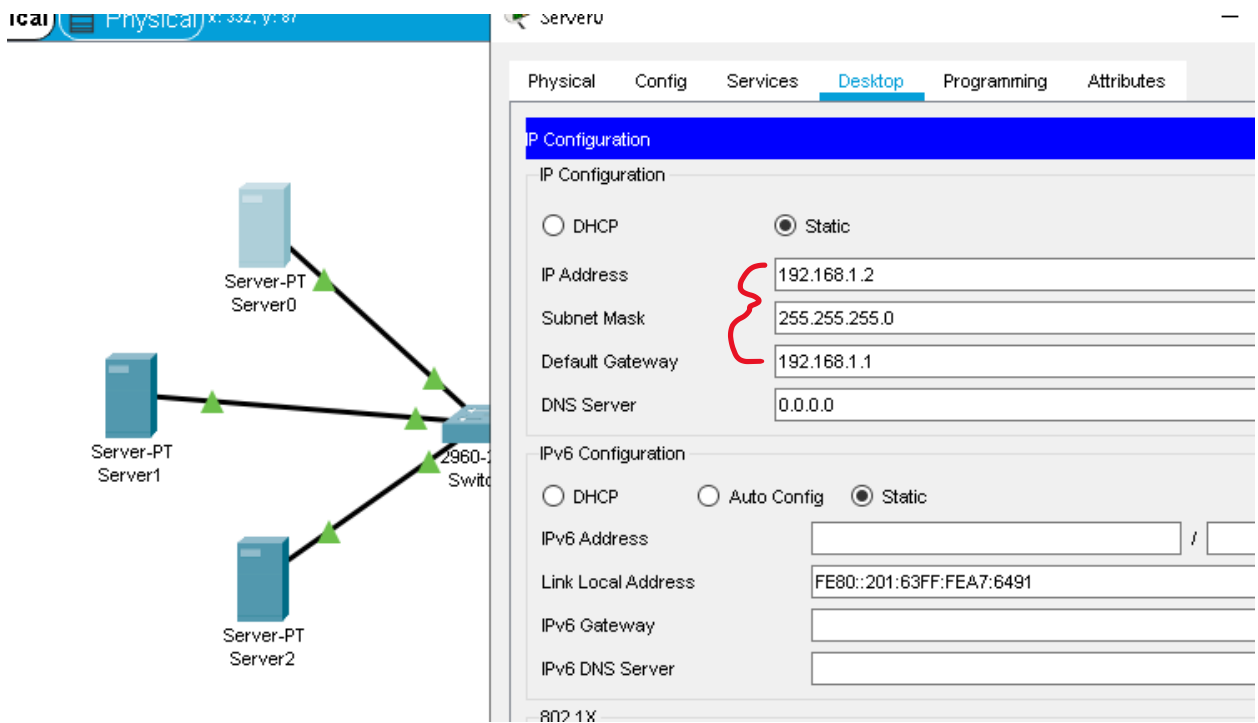




IP & DHCP Server 0



The image shows a network diagram on the left and the GNS3 Desktop menu on the right. The network diagram features a central 2960-3 Switch connected to three Server-PT devices: Server0, Server1, and Server2. The Desktop menu on the right has tabs for Physical, Config, Services, Desktop, and Programming. The Desktop tab is selected, and the 'IP Configuration' icon, which shows a server with the number 106, is circled in red. Other icons in the menu include Terminal, Command Prompt, VPN, AAA/Accounting, and Traffic Generator.



The image shows the same network diagram on the left and the GNS3 IP Configuration window on the right. The window has tabs for Physical, Config, Services, Desktop, Programming, and Attributes. The Desktop tab is selected, and the 'IP Configuration' section is active. In this section, the 'Static' radio button is selected. The IP Address is set to 192.168.1.2, the Subnet Mask is 255.255.255.0, and the Default Gateway is 192.168.1.1. These three fields are grouped by a red curly bracket. The DNS Server is set to 0.0.0.0. Below this, the IPv6 Configuration section shows the 'Static' radio button selected, with fields for IPv6 Address, Link Local Address (FE80::201:63FF:FEA7:6491), IPv6 Gateway, and IPv6 DNS Server.

The top image shows a network diagram on the left with three Server-PT servers (Server0, Server1, Server2) connected to a 2960-2 Switch. On the right is the DHCP configuration interface. The 'Services' tab is selected, and 'DHCP' is highlighted in the SERVICES list. In the DHCP configuration area, the 'Service' is set to 'On'. The 'Interface' is 'FastEthernet0'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '192.168.1.1'. The 'DNS Server' is '192.168.1.3'. The 'Start IP Address' is '192.168.1.5'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. The 'VLC Address' is '0.0.0.0'. The 'Save' button is highlighted.

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 192.168.1.1

DNS Server: 192.168.1.3

Start IP Address: 192 168 1 5

Subnet Mask: 255 255 255 0

Maximum Number of Users: 5

TFTP Server: 0.0.0.0

VLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	VLC Address
serverPool	192.168.1.1	192.168.1.3	192.168.1.5	255.255.255.0	5	0.0.0.0	0.0.0.0

IP & DNS SERVER 1

The bottom image shows the same network diagram on the left. On the right is the 'Desktop' configuration interface. The 'Desktop' tab is selected. The 'IP Configuration' icon is highlighted. The 'Terminal' icon is also visible. The 'VPN' icon is highlighted. The 'AAA/Accounting' icon is highlighted. The 'Traffic Generator' icon is highlighted.

Logical **Physical** x: 59, y: 48

Server1

Physical Config Services **Desktop** Programming

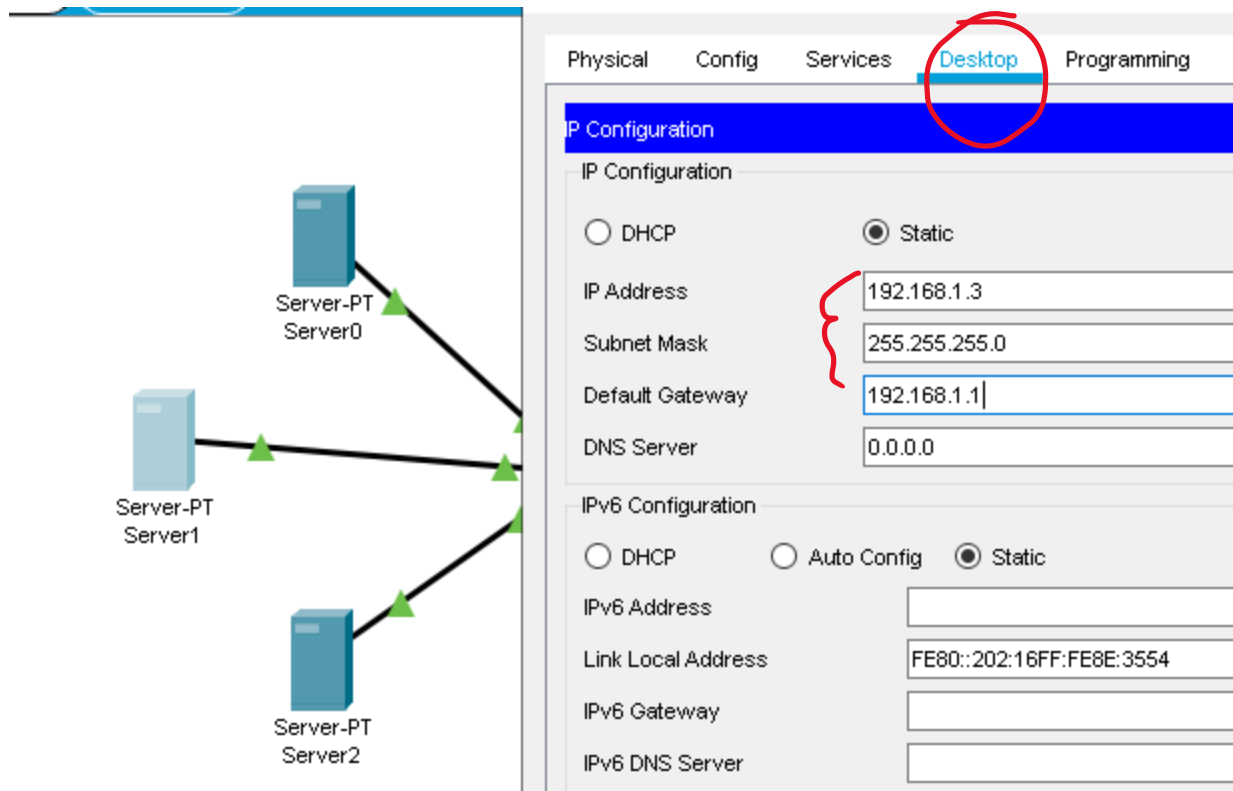
IP Configuration

Terminal

VPN

AAA/Accounting

Traffic Generator



The top image shows a network diagram on the left with three servers: Server-PT Server0, Server-PT Server1, and Server-PT Server2. On the right is the 'Desktop' tab of a configuration interface. The 'IP Configuration' section has 'Static' selected. The IP Address is 192.168.1.3, Subnet Mask is 255.255.255.0, and Default Gateway is 192.168.1.1. The 'IPv6 Configuration' section has 'Static' selected, with an IPv6 Address field and a Link Local Address of FE80::202:16FF:FE8E:3554.

Physical Config **Desktop** Programming

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

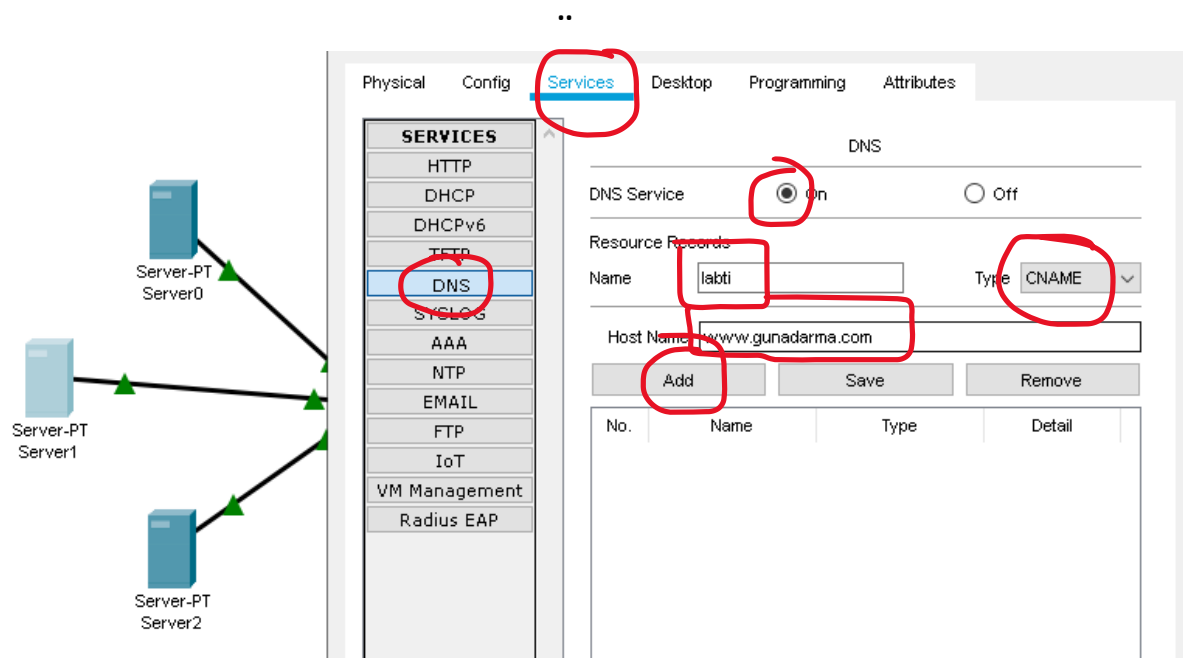
IPv6 Address

Link Local Address FE80::202:16FF:FE8E:3554

IPv6 Gateway

IPv6 DNS Server

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The bottom image shows the same network diagram on the left. On the right is the 'Services' tab of the configuration interface. The 'SERVICES' list on the left has 'DNS' selected. The 'DNS' configuration on the right has 'DNS Service' set to 'On', 'Name' set to 'labti', and 'Type' set to 'CNAME'. The 'Host Name' is 'www.gunadarma.com'. There are 'Add', 'Save', and 'Remove' buttons. Below is a table with columns: No., Name, Type, and Detail.

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TELNET
- DNS**
- SYNLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name labti Type CNAME

Host Name www.gunadarma.com

Add Save Remove

No.	Name	Type	Detail
-----	------	------	--------

Logical Physical x: 293, y: 129

Server1

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type **A Record**

Address

No.	Name	Type	Detail
0	labti	CNAME	www.gunada...

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

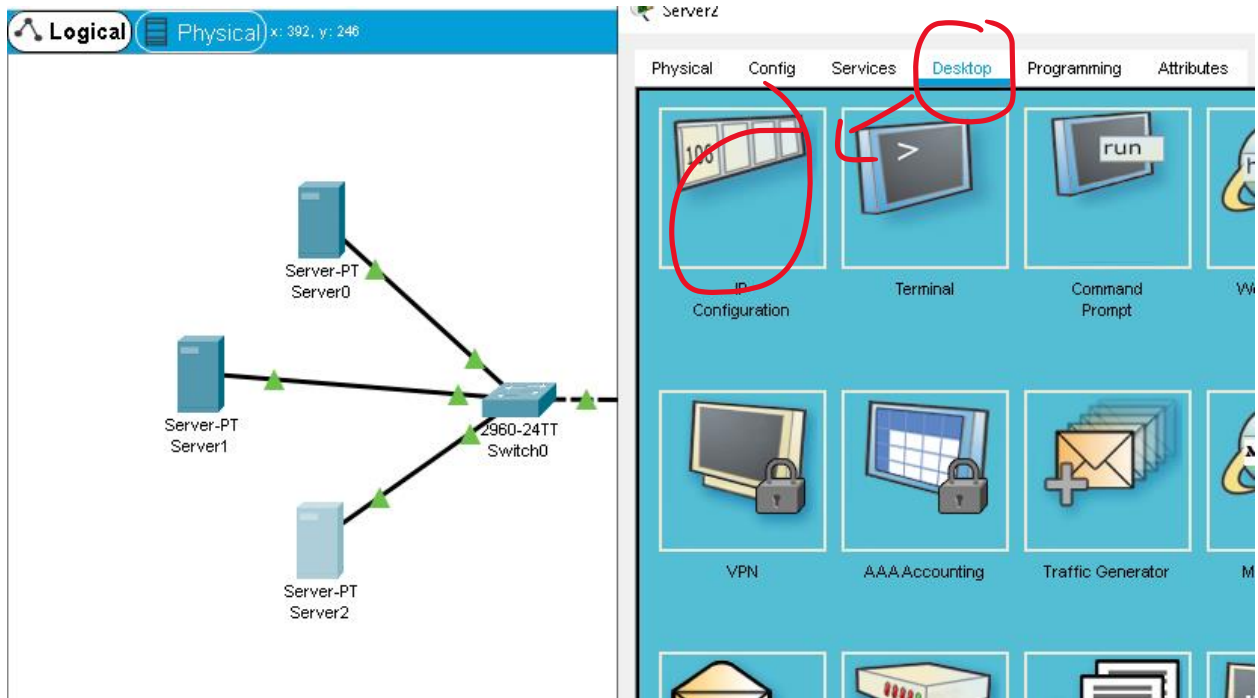
Resource Records

Name Type **A Record**

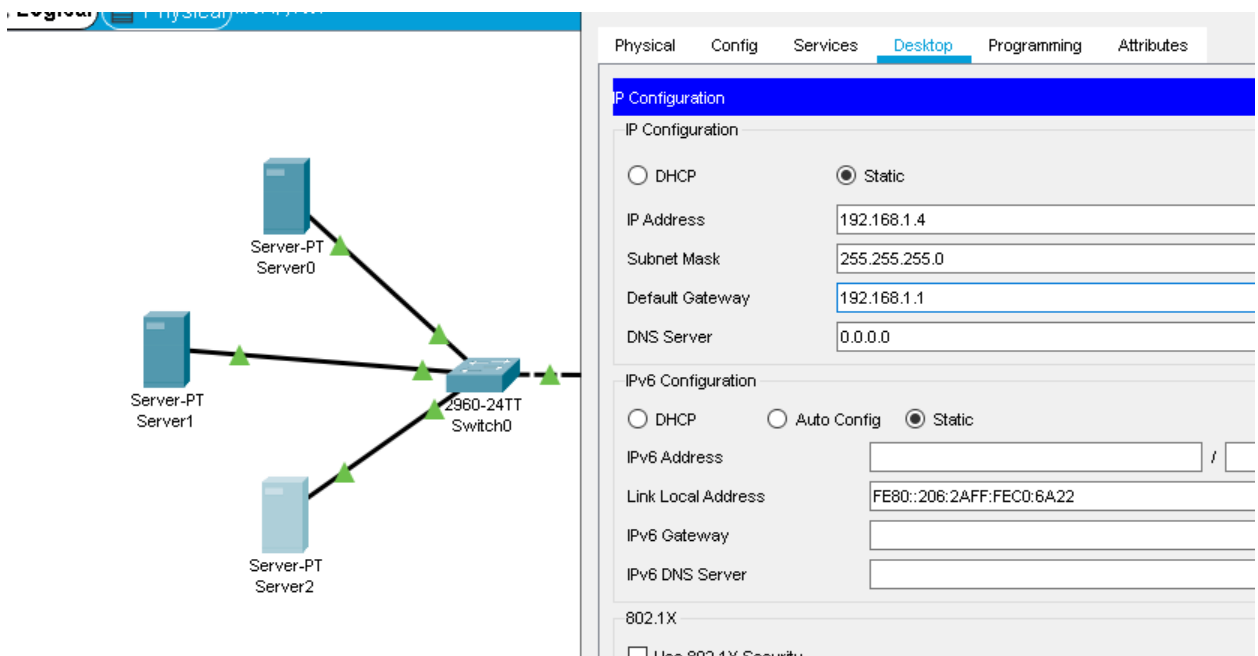
Address

No.	Name	Type	Detail
0	labti	CNAME	www.gunada...
1	www.gunadarma....	A Record	192.168.1.3

IP & EMAIL SERVER 3



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Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL**
- FTP
- IoT
- VM Management
- Radius EAP

EMAIL

SMTP Service ☒ ON ☐ OFF POP3 Service ☒ ON ☐ OFF

Domain Name:

User Setup

User Password

..

Logical Physical x: 233, y: 125

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL**
- FTP
- IoT
- VM Management
- Radius EAP

EMAIL

SMTP Service ☒ ON ☐ OFF POP3 Service ☒ ON ☐ OFF

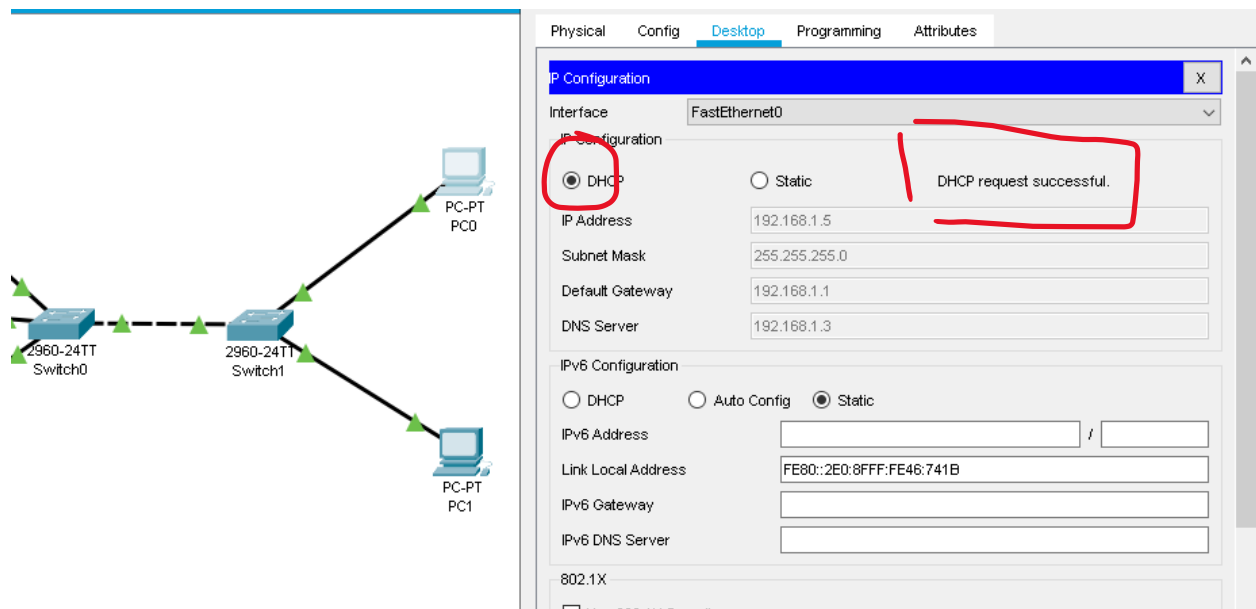
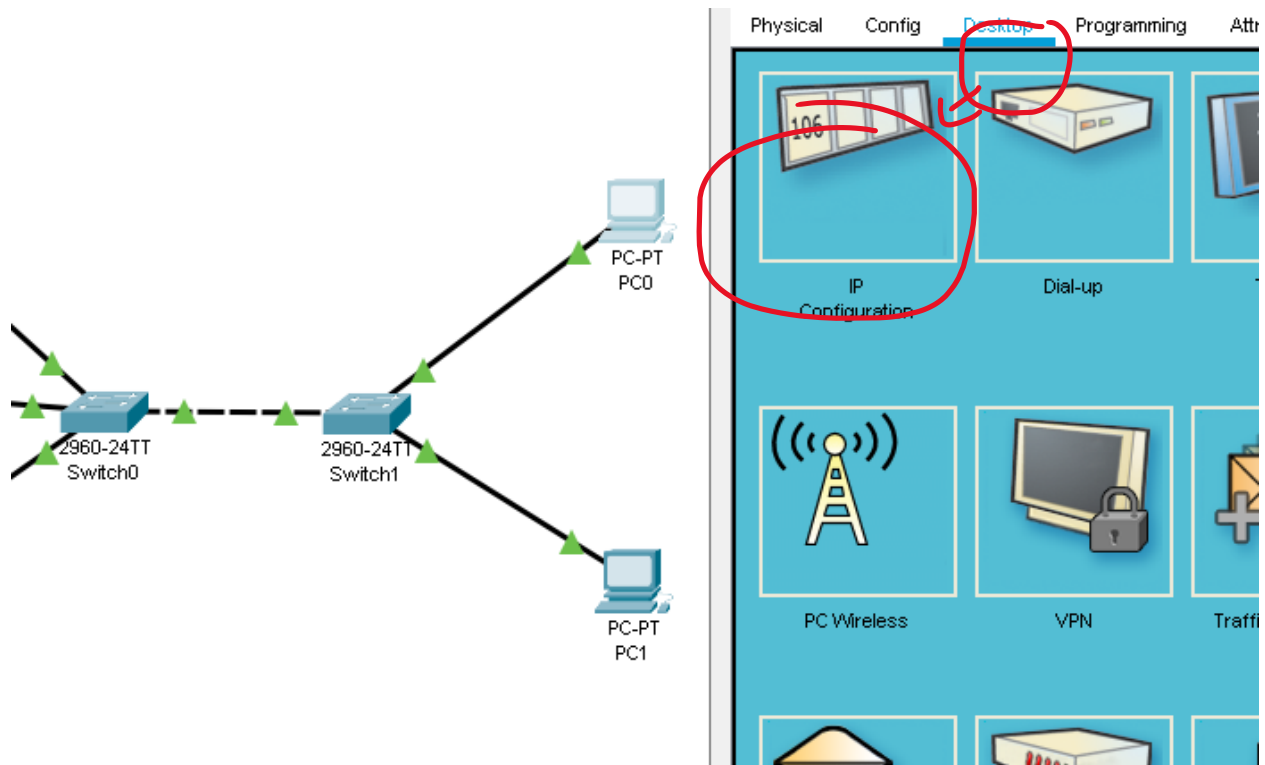
Domain Name:

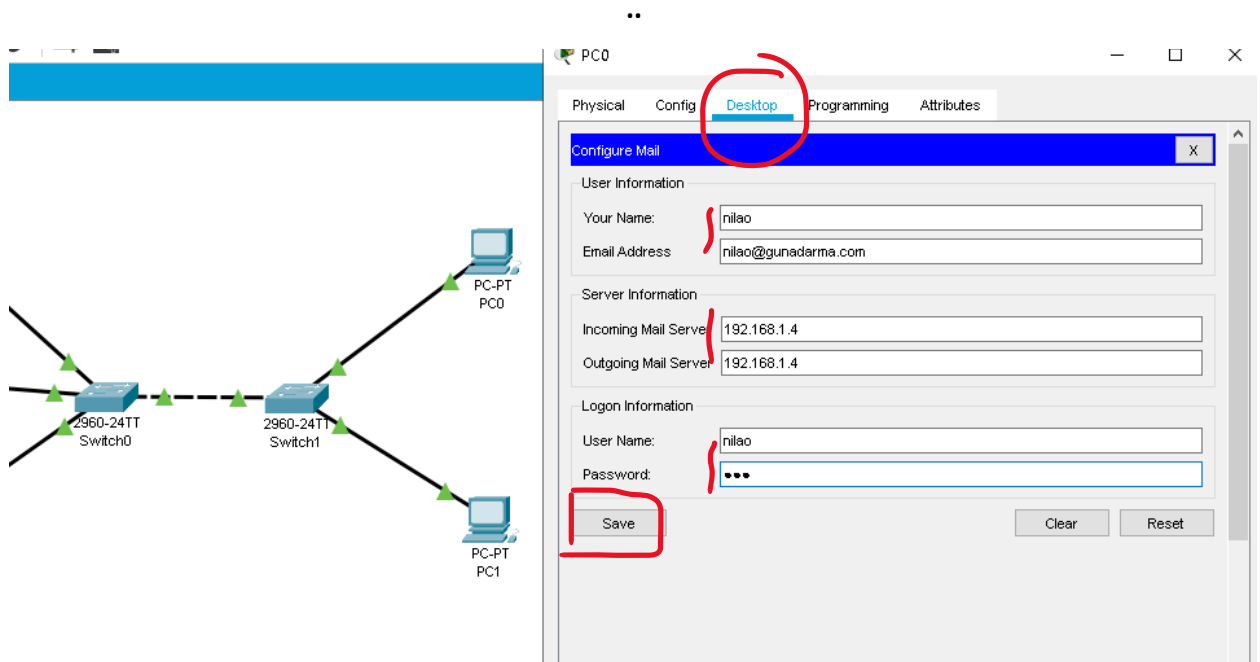
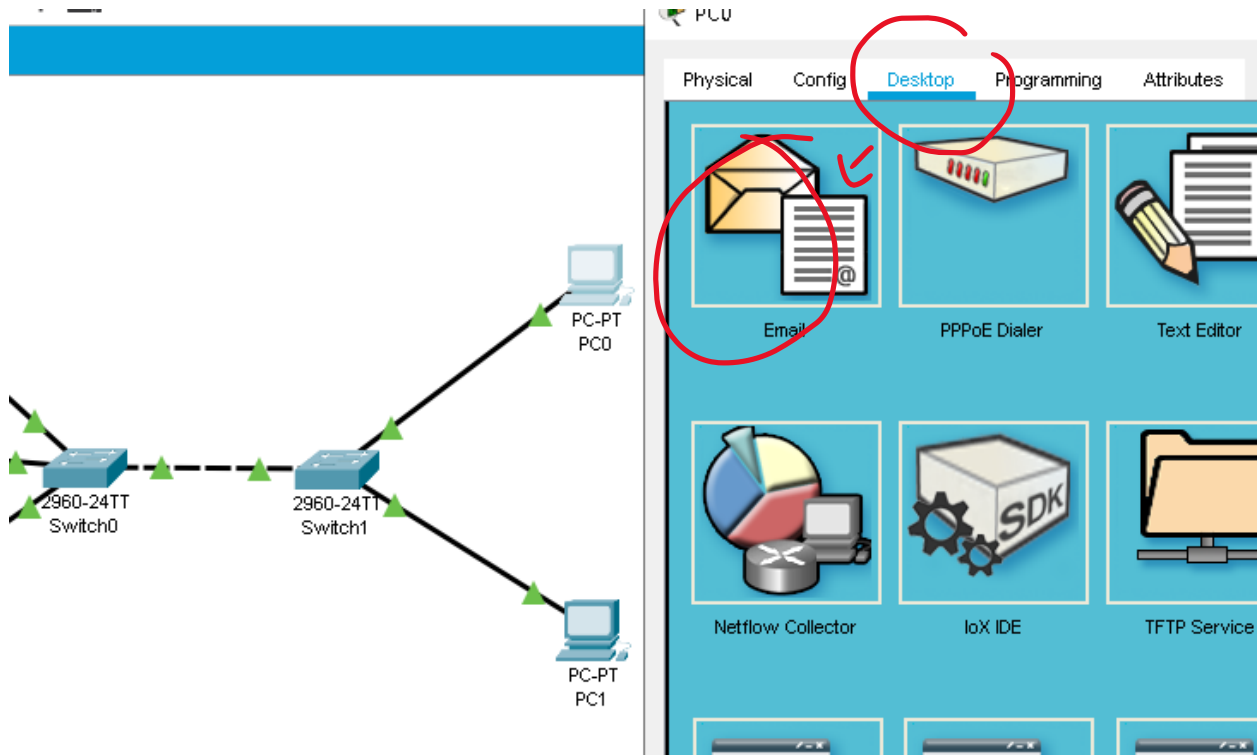
User Setup

User Password

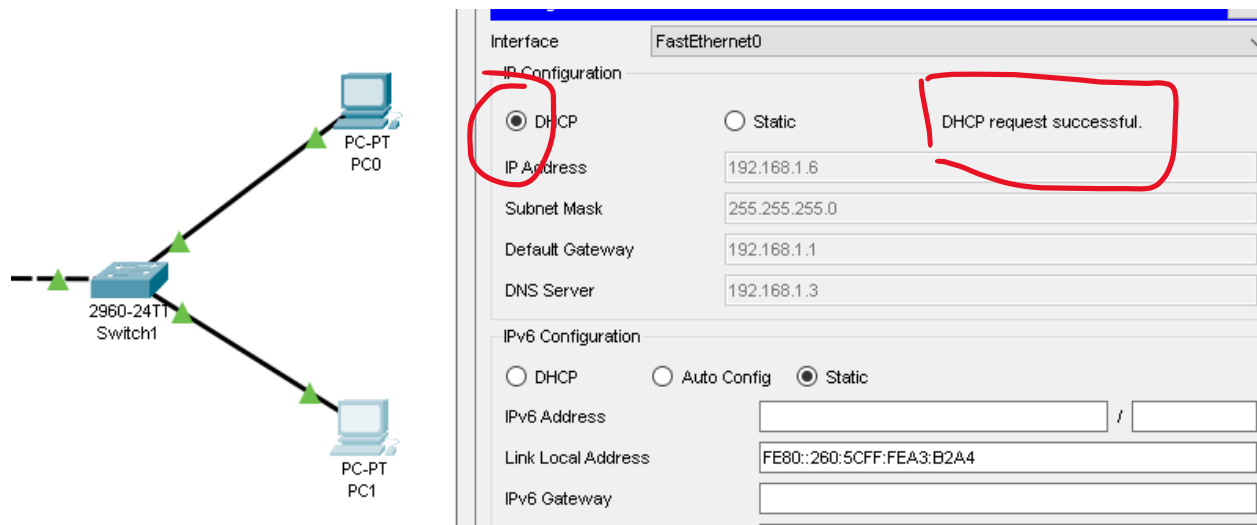
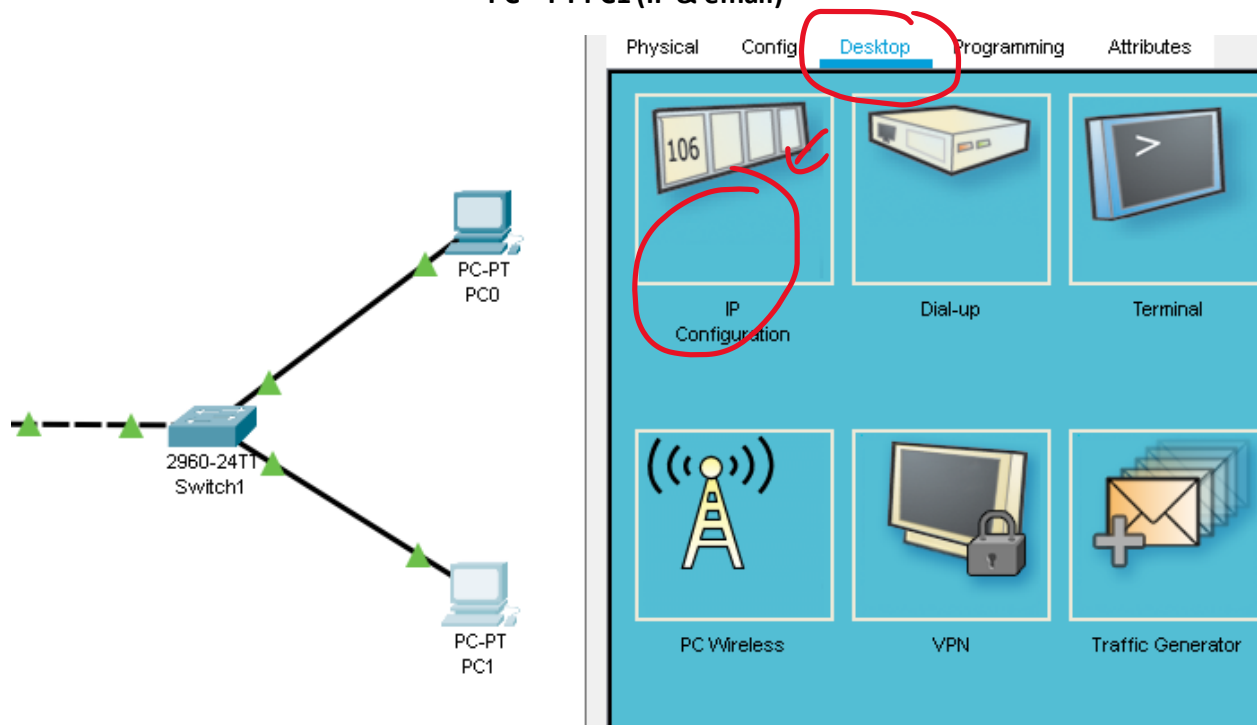
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PC – PT PC0 (IP & email)

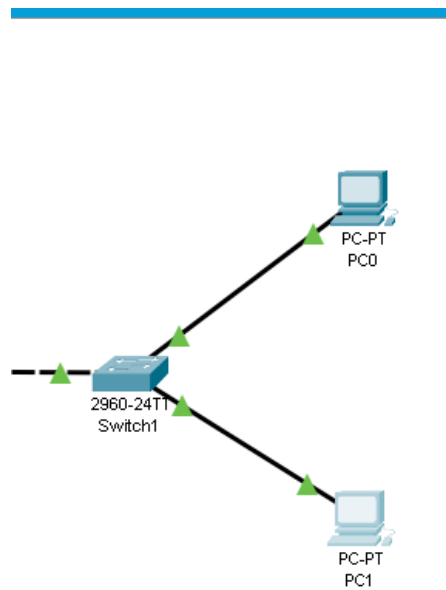




PC – PT PC1 (IP & email)



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Physical Config **Desktop** Programming Attributes

Configure Mail

User Information

Your Name:

Email Address:

Server Information

Incoming Mail Server:

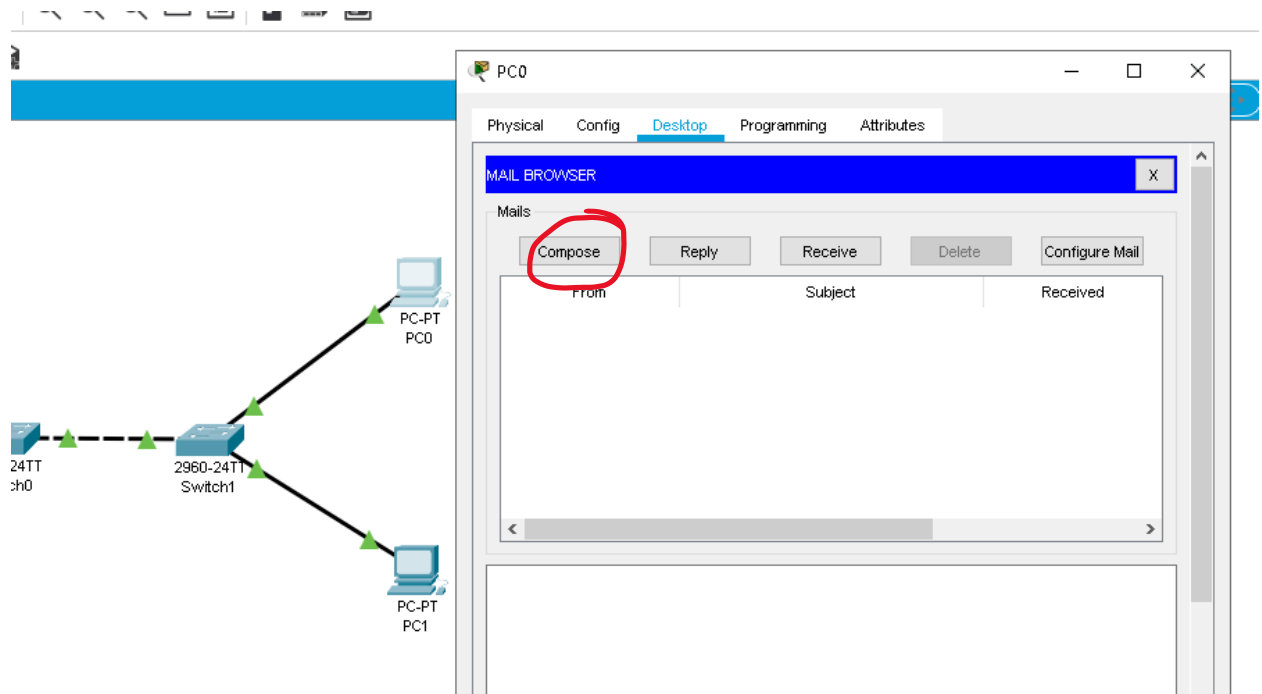
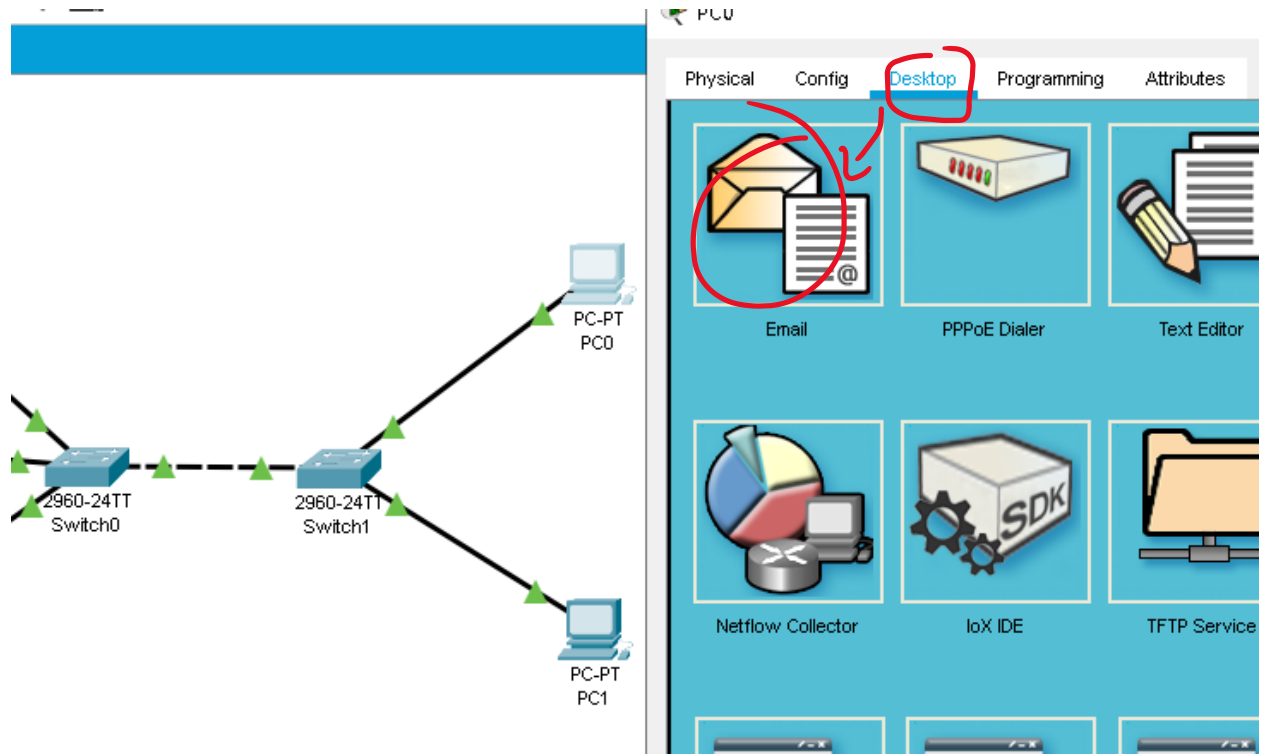
Outgoing Mail Server:

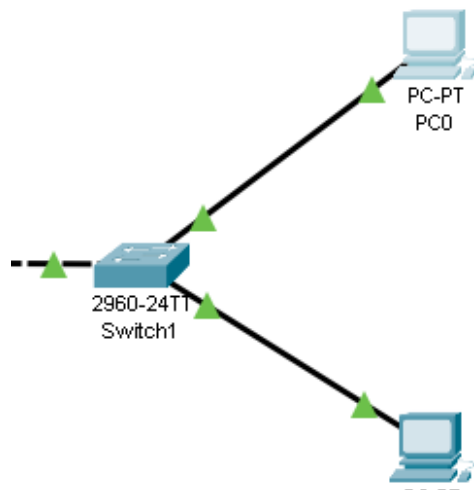
Logon Information

User Name:

Password:

Send email antar PC





PC0

Physical Config **Desktop** Programming Attributes

Compose Mail

Send To: nahida@gunadarma.com Subject: UlangTahun

Selamat Ulang Tahun