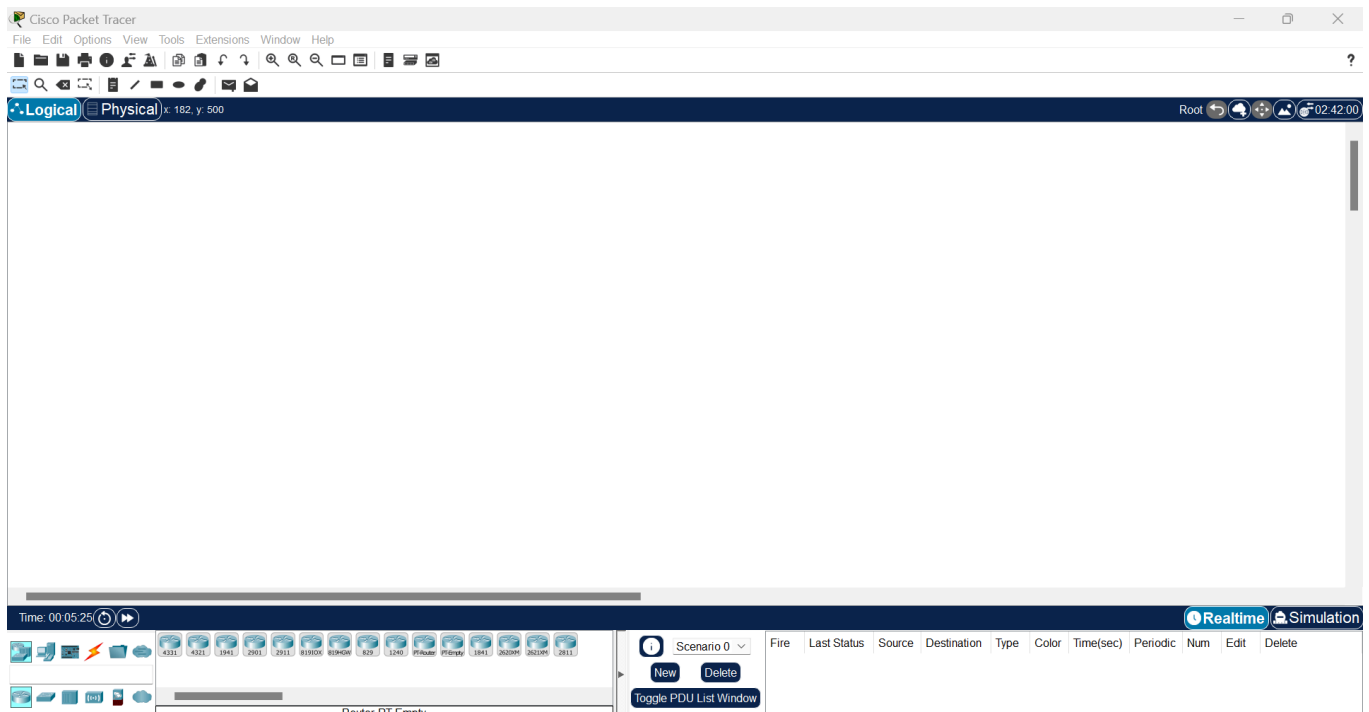


Cisco_Gateway

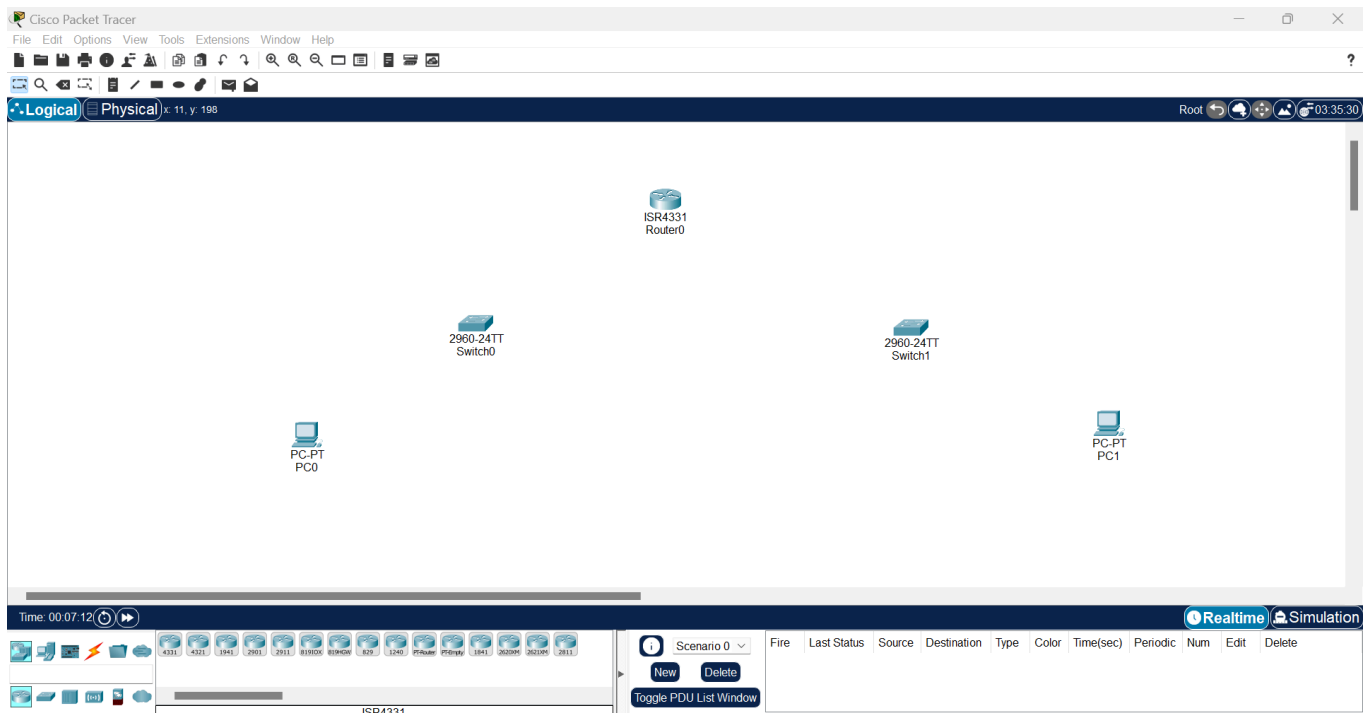
Sommaire :

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- Etape 2 : Dispatcher les équipements (2PC/2Switch/1Routeur)
- Etape 3 : Câbler à l'aide d'un câble droit le PC0 (FastEthernet0/1) au Switch0 (fastEthernet0/1)
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- Etape 5 : Câbler à l'aide d'un câble droit le PC1 (FastEthernet0) au Switch (FastEthernet0/1)
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- Etape 8 : Configurer une passerelle par défaut 'Default Gateway' dans Settings : 192.168.1.1 sur le PC0
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- Etape10 : Configurer une "IP Configuration" sur l'interface GigabithEthernet0/0/0 du Routeur0 : 192.168.1.1
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- Etape 12 : Sélectionner le PC1 et dans Desktop et passer en mode "Command prompt"
- Etape 13 : Effectuer un ping depuis le PC1 vers le PC0 : ping 192.168.1.10

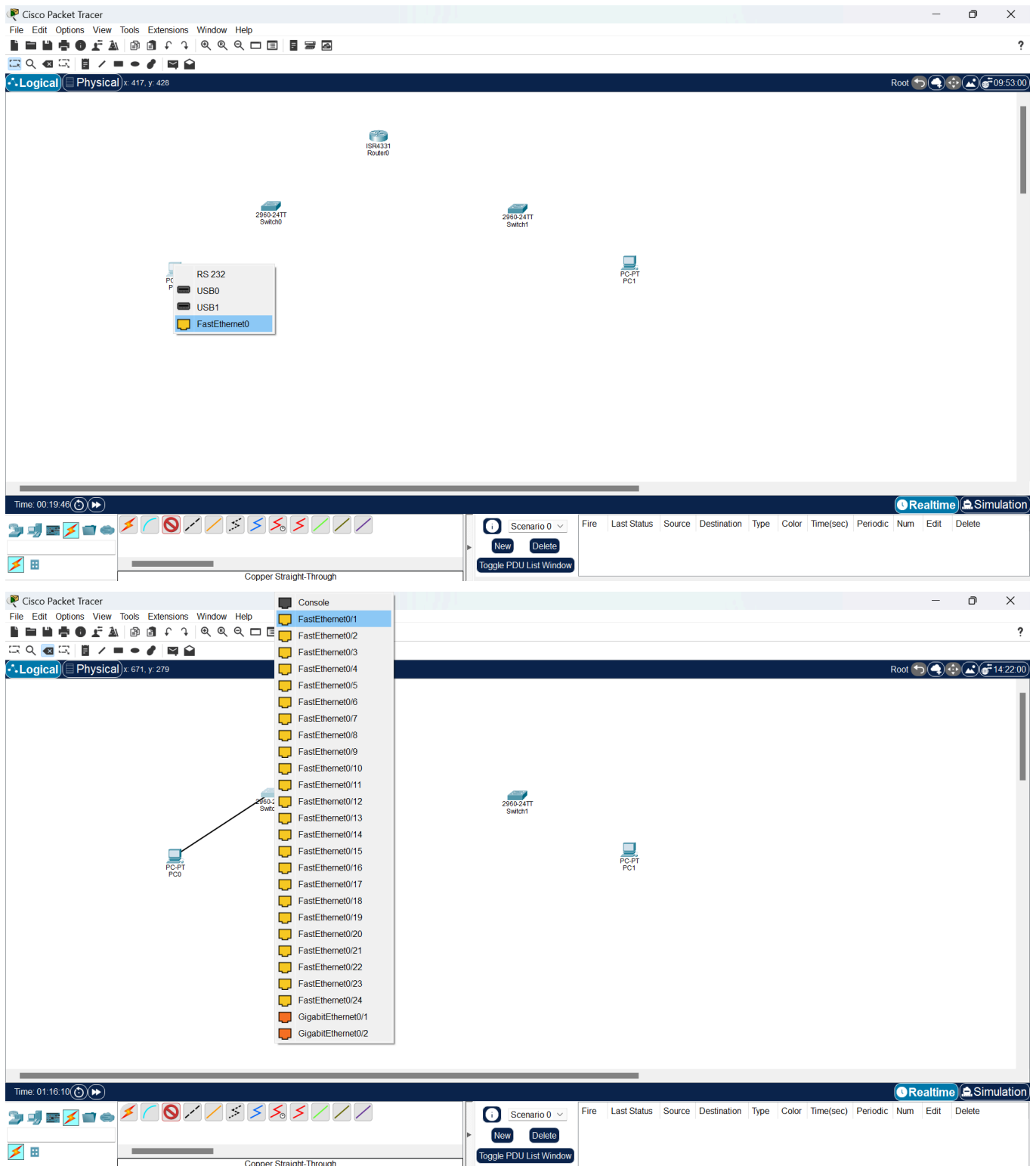
Etape 1 : Ouvrir Cisco Packet Tracer



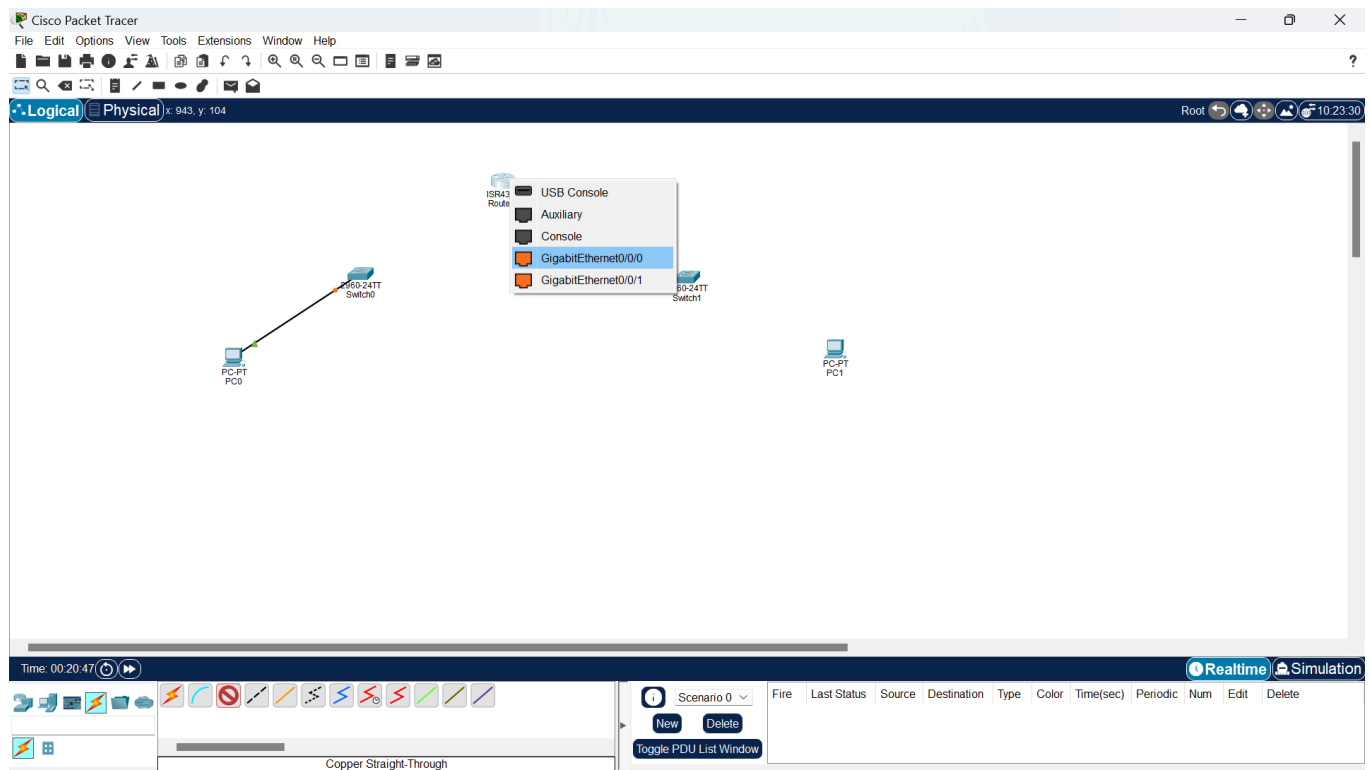
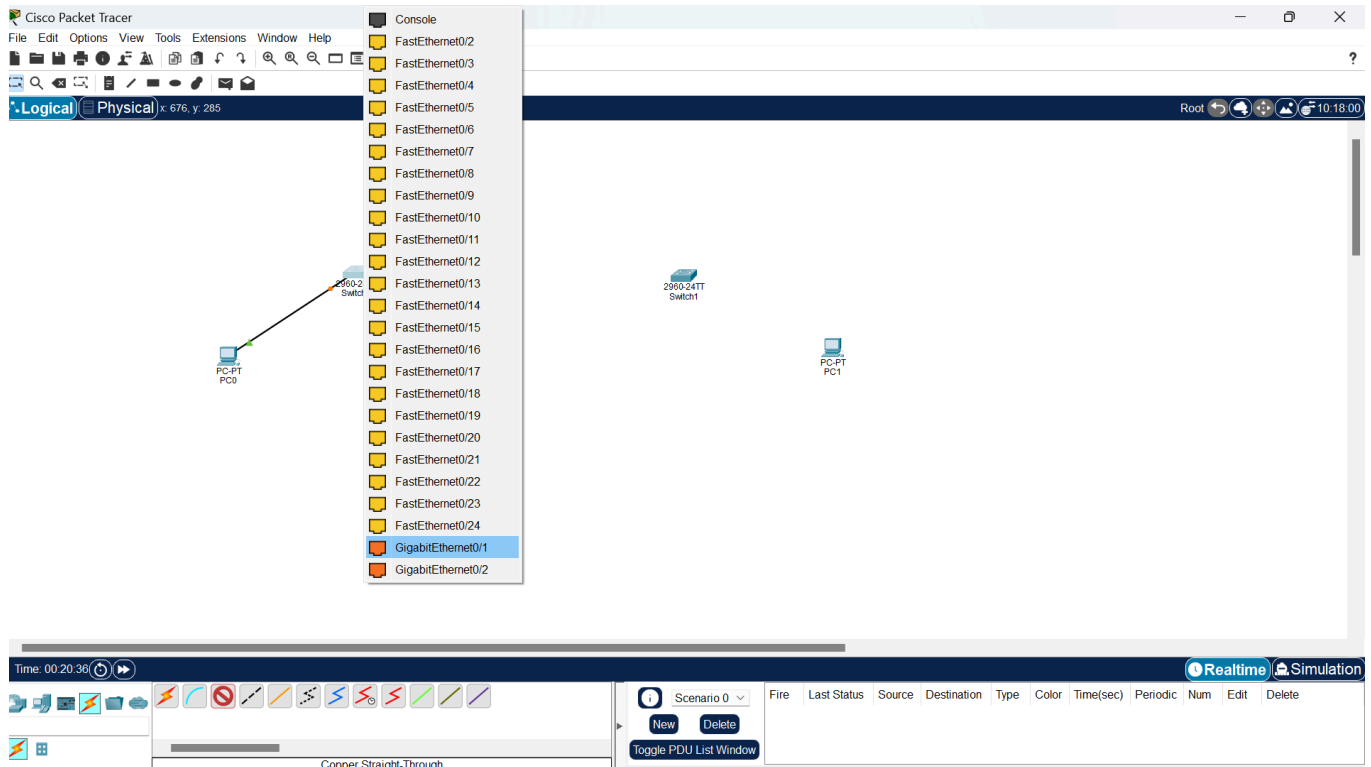
Etape 2 : Dispatcher les équipements (2PC/2Switch/1Routeur)

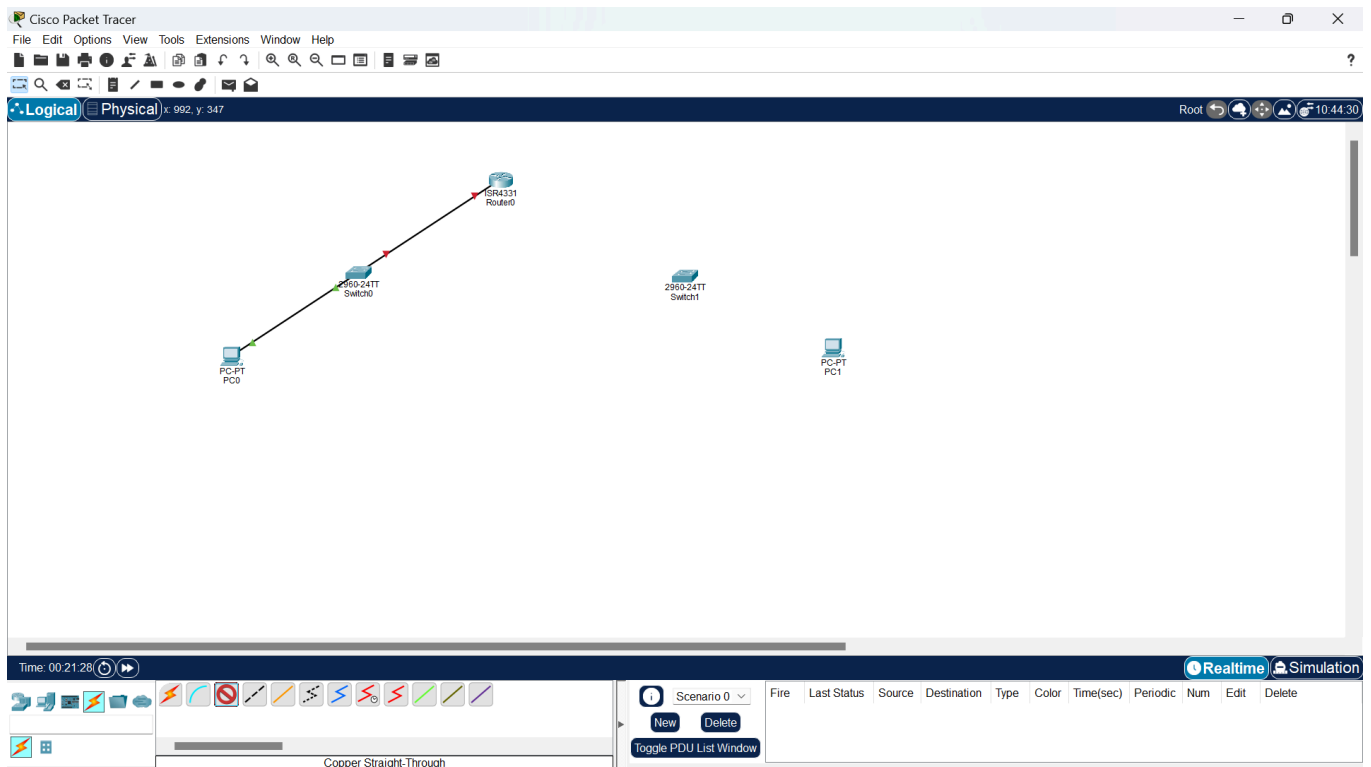


Etape 3 : Câbler à l'aide d'un câble droit le PC0 (Fastethernet0/1) au Switch0 (fastethernet0/1)

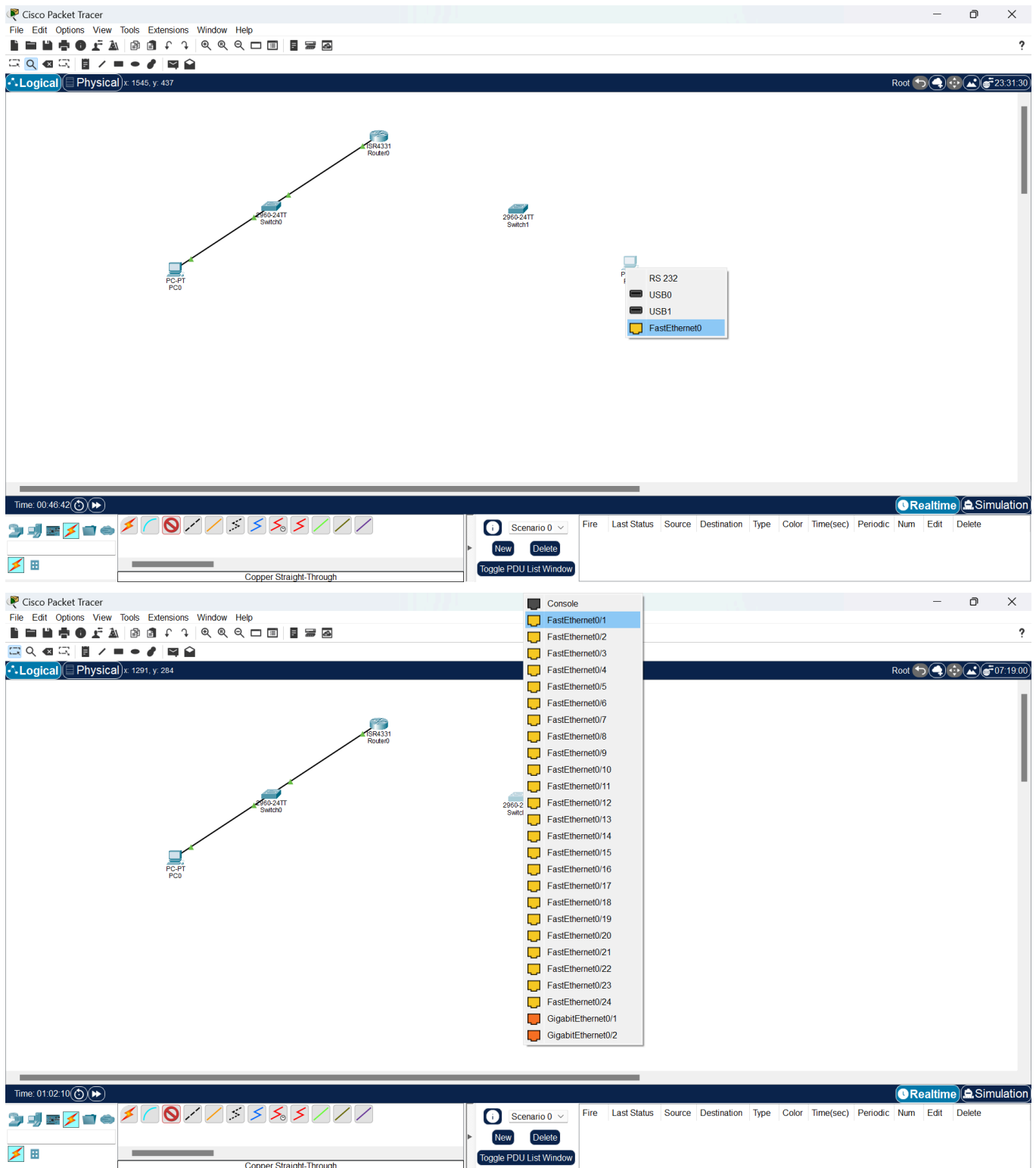


Etape 4 : Câbler l'aide d'un câble droit le Switch0 (GigabitEthernet0/1) au Routeur (GigabitEthernet0/1)





Etape 5 : Câbler à l'aide d'un câble droit le PC1 (FastEthernet0) au Switch (FastEthernet0/1)



Etape 6 : Câbler à l'aide d'un câble droit le Switch1 (GigabitEthernet0/1) au Routeur (GigabitEthernet0/0/1)

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1288, y: 291

Console

- FastEthernet0/2
- FastEthernet0/3
- FastEthernet0/4
- FastEthernet0/5
- FastEthernet0/6
- FastEthernet0/7
- FastEthernet0/8
- FastEthernet0/9
- FastEthernet0/10
- FastEthernet0/11
- FastEthernet0/12
- FastEthernet0/13
- FastEthernet0/14
- FastEthernet0/15
- FastEthernet0/16
- FastEthernet0/17
- FastEthernet0/18
- FastEthernet0/19
- FastEthernet0/20
- FastEthernet0/21
- FastEthernet0/22
- FastEthernet0/23
- FastEthernet0/24
- GigabitEthernet0/1
- GigabitEthernet0/2

2950-24TT Switch0

ISR4331 Router0

PC-PT PC0

Time: 00:23:04

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 937, y: 116

USB Console

Auxiliary

Console

GigabitEthernet0/0/1

2950-24TT Switch0

ISR4331 Router0

PC-PT PC0

2950-24TT Switch1

PC-PT PC1

Time: 00:23:16

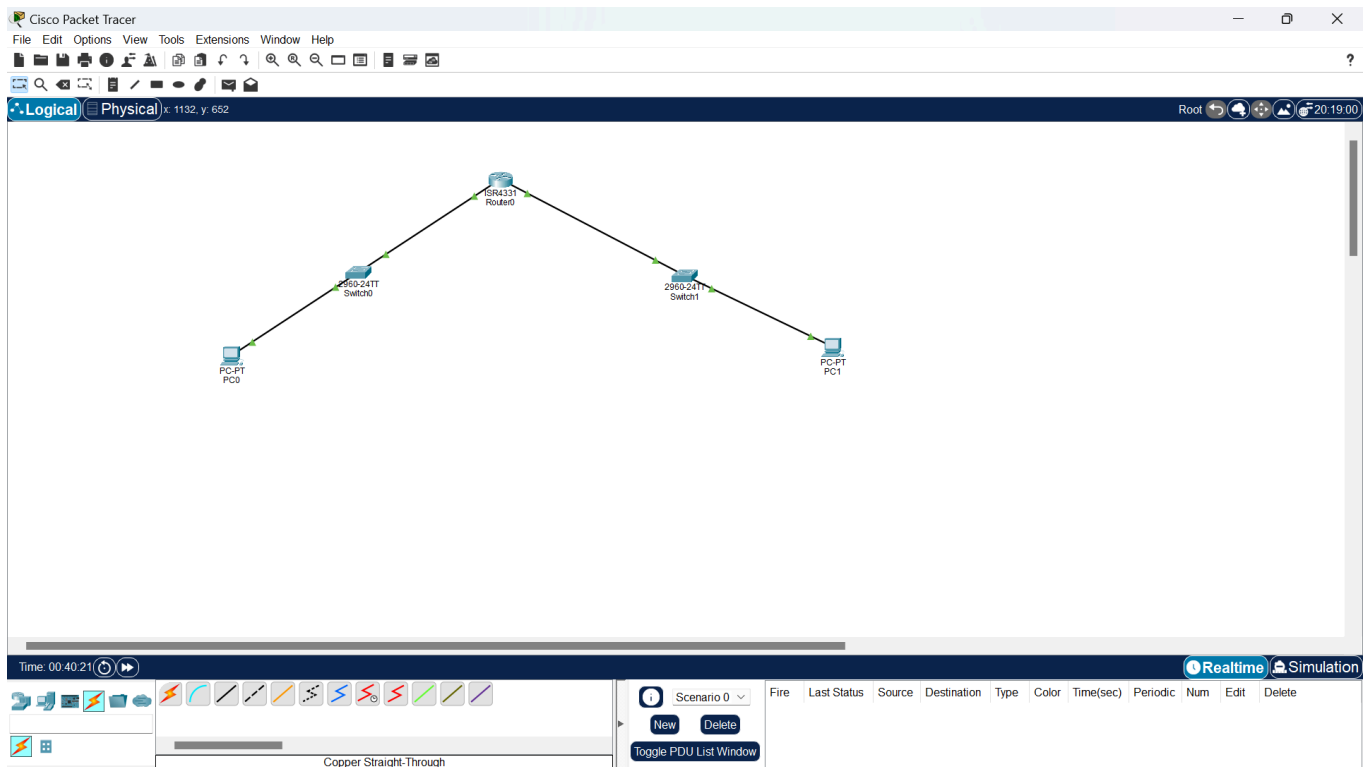
Realtime Simulation

Scenario 0

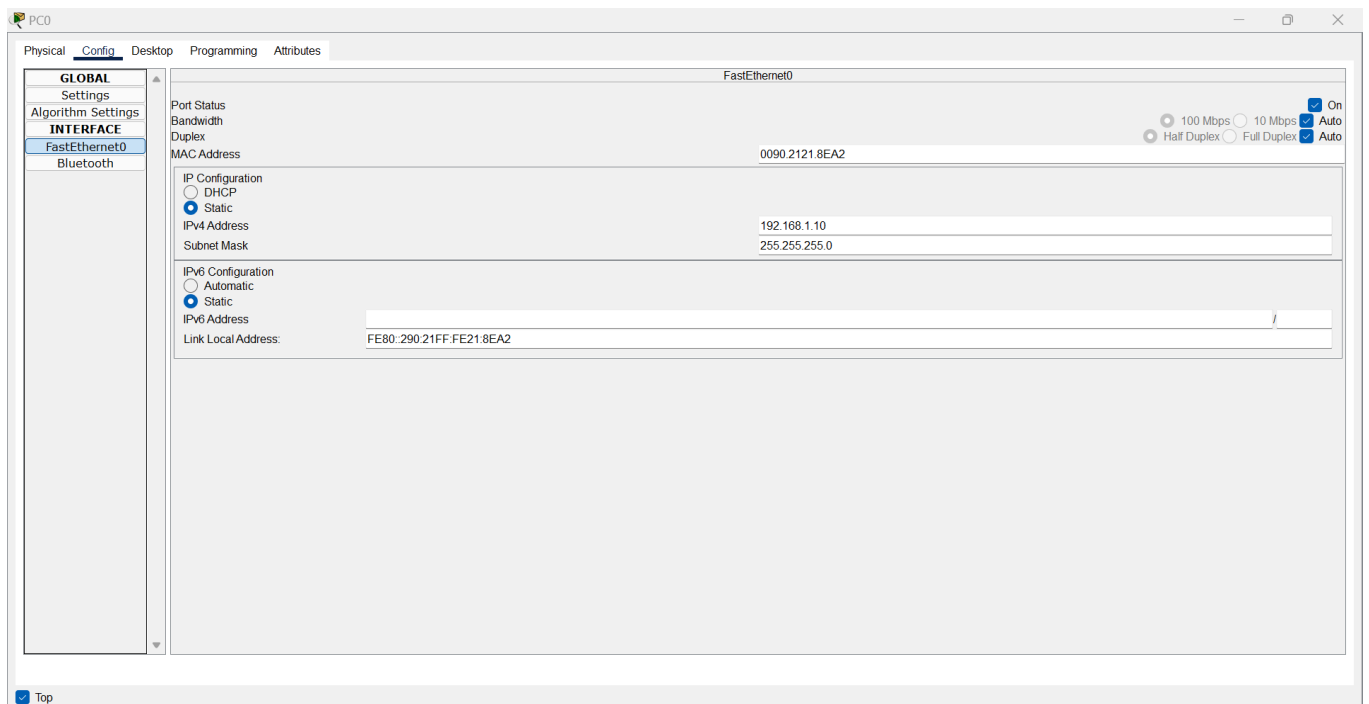
New Delete

Toggle PDU List Window

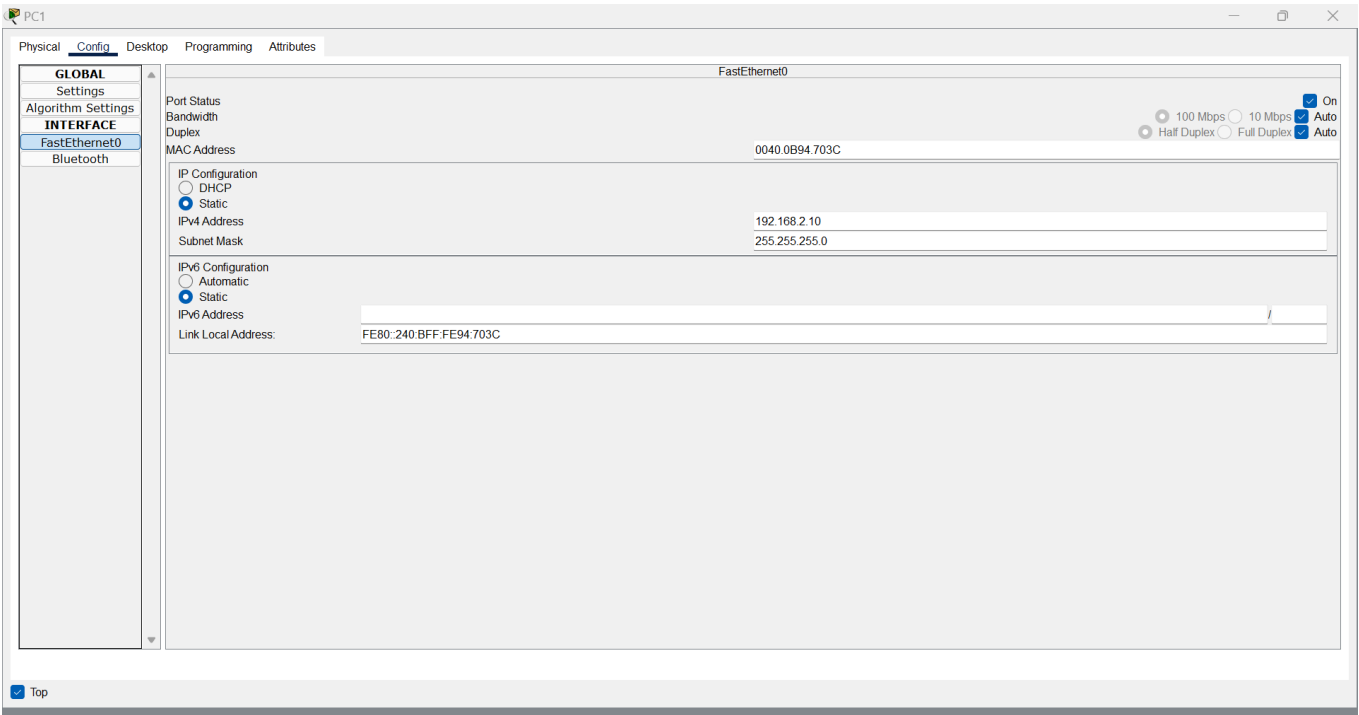
Copper Straight-Through



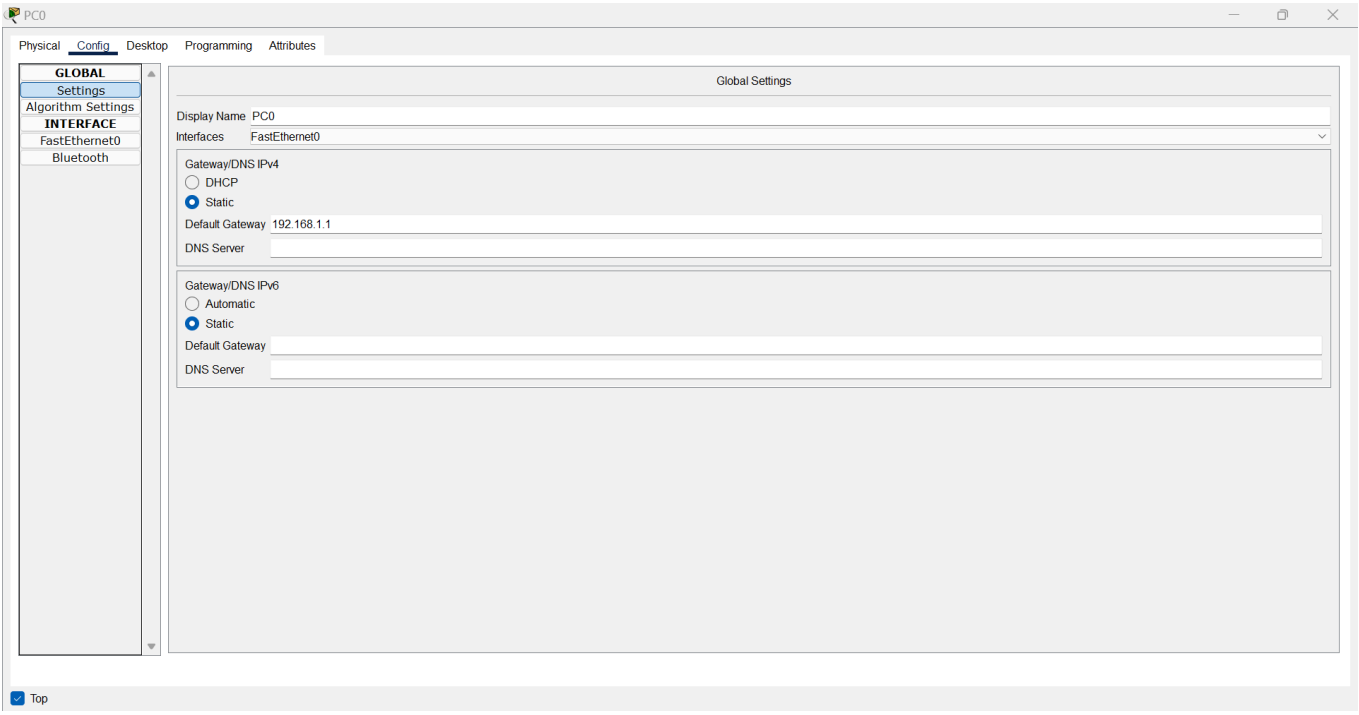
Etape 6 : Attribuer une adresse static IPV4 au PC0 : 192.168.1.10 (Masque de sous-réseaux : 255.255.255.0) sur l'interface FastEthernet0



Etape 7 : Attribuer une adresse static IPV4 au PC1 : 192.168.2.10 (Masque de sous-réseaux : 255.255.255.0) sur l'interface FastEthernet0



Etape 8 : Configurer une passerelle par défaut 'Default Gateway' dans Settings : 192.168.1.1 sur le PC0



Etape 9 : Configurer une passerelle par défaut 'Default Gateway' dans Settings : 192.168.2.1 sur le PC1

The screenshot shows the configuration window for PC1. The left sidebar has a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', and 'INTERFACE'. Under 'INTERFACE', 'FastEthernet0' is selected. The main area is titled 'Global Settings' and contains the following fields:

- Display Name: PC1
- Interfaces: FastEthernet0
- Gateway/DNS IPv4:
 - ☐ DHCP
 - ☒ Static
 - Default Gateway: 192.168.2.1
 - DNS Server: (empty)
- Gateway/DNS IPv6:
 - ☐ Automatic
 - ☒ Static
 - Default Gateway: (empty)
 - DNS Server: (empty)

At the bottom left, there is a 'Top' button.

Etape10 : Configurer "IP Configuration" sur l'interface GigabitEthernet0/0/0 du Routeur0 : 192.168.1.1

The screenshot shows the configuration window for Router0. The left sidebar has a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', 'ROUTING', 'Static', 'RIP', 'SWITCHING', 'VLAN Database', and 'INTERFACE'. Under 'INTERFACE', 'GigabitEthernet0/0/0' is selected. The main area is titled 'GigabitEthernet0/0/0' and contains the following fields:

- Port Status: (empty)
- Bandwidth: (empty)
- Duplex: (empty)
- MAC Address: 0000.0C62.1401
- IP Configuration:
 - IPv4 Address: 192.168.1.1
 - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

At the bottom, there is a section titled 'Equivalent IOS Commands' with a text area containing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#no ip address
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#
```

At the bottom left, there is a 'Top' button.

Etape10 : Configurer "IP Configuration" sur l'interface GigabitEthernet0/0/0 du Routeur0 : 192.168.1.1

The screenshot shows the configuration window for Router0, specifically for interface GigabitEthernet0/0/1. The left sidebar shows the configuration tree with 'GigabitEthernet0/0/1' selected under the 'INTERFACE' section. The main configuration area shows the following settings:

- Port Status: On
- Bandwidth: 1000 Mbps
- Duplex: Full Duplex
- MAC Address: 0000.0C62.1402
- IP Configuration:
 - IPv4 Address: 192.168.2.1
 - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration area, the 'Equivalent IOS Commands' section shows the following commands:

```
Router(config-if)#no ip address
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#
```

A 'Top' button is located at the bottom left of the window.

Etape 11 : Activer l'interface GigabitEthernet0/0/0 du Routeur0 (Bouton "on")

The screenshot shows the configuration window for Router0, specifically for interface GigabitEthernet0/0/0. The left sidebar shows the configuration tree with 'GigabitEthernet0/0/0' selected under the 'INTERFACE' section. The main configuration area shows the following settings:

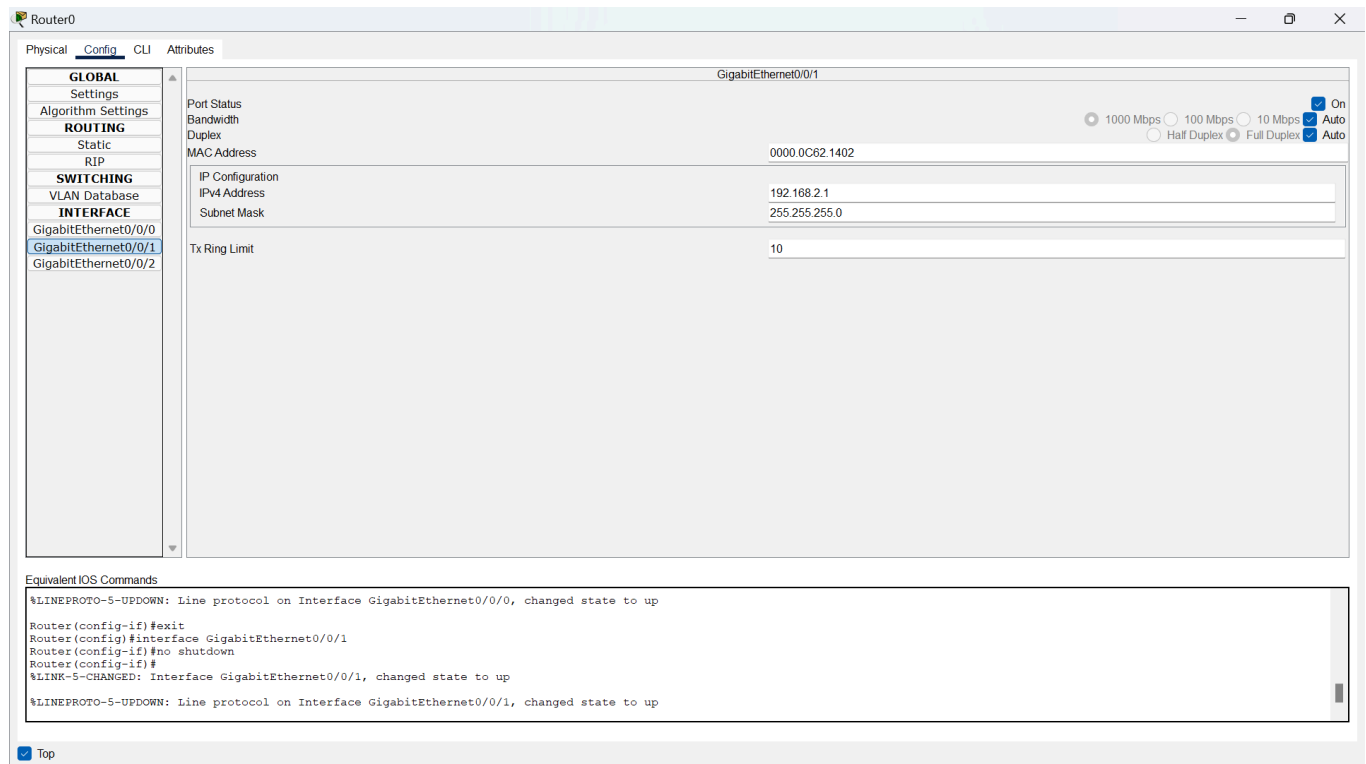
- Port Status: On
- Bandwidth: 1000 Mbps
- Duplex: Full Duplex
- MAC Address: 0000.0C62.1401
- IP Configuration:
 - IPv4 Address: 192.168.1.1
 - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration area, the 'Equivalent IOS Commands' section shows the following commands:

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#
```

A 'Top' button is located at the bottom left of the window.

Etape 11 : Activer l'interface GigabitEthernet0/0/1 du Routeur0



The screenshot shows the configuration window for Router0 in Cisco Packet Tracer. The left sidebar contains a tree view with categories: GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, SWITCHING, VLAN Database, and INTERFACE. Under the INTERFACE category, the following interfaces are listed: GigabitEthernet0/0/0, GigabitEthernet0/0/1 (selected), and GigabitEthernet0/0/2.

The main configuration area for GigabitEthernet0/0/1 displays the following settings:

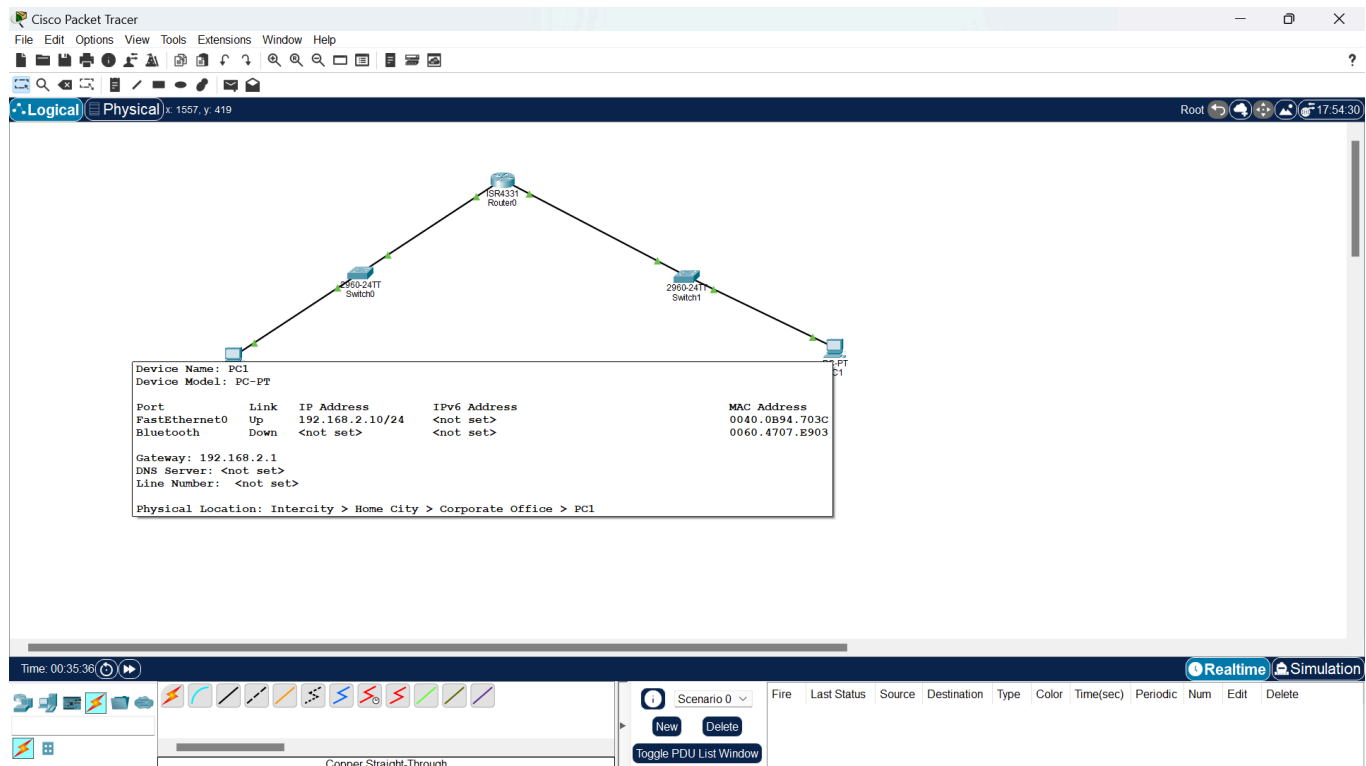
- Port Status: On
- Bandwidth: 1000 Mbps
- Duplex: Full Duplex
- MAC Address: 0000.0C62.1402
- IP Configuration: 192.168.2.1
- Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration area, the "Equivalent IOS Commands" section shows the following commands:

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up
```

A "Top" button is located at the bottom left of the configuration window.

Etape 12 : Sélectionner le PC1 et dans Desktop et passer en mode "Command prompt"



The screenshot shows the Cisco Packet Tracer interface. The top menu bar includes File, Edit, Options, View, Tools, Extensions, Window, and Help. The toolbar contains various icons for network management. The main workspace displays a network topology with a central router (R04331 Router0) connected to two switches (2960-24TT Switch0 and 2960-24TT Switch1). Switch0 is connected to PC1, and Switch1 is connected to PC2.

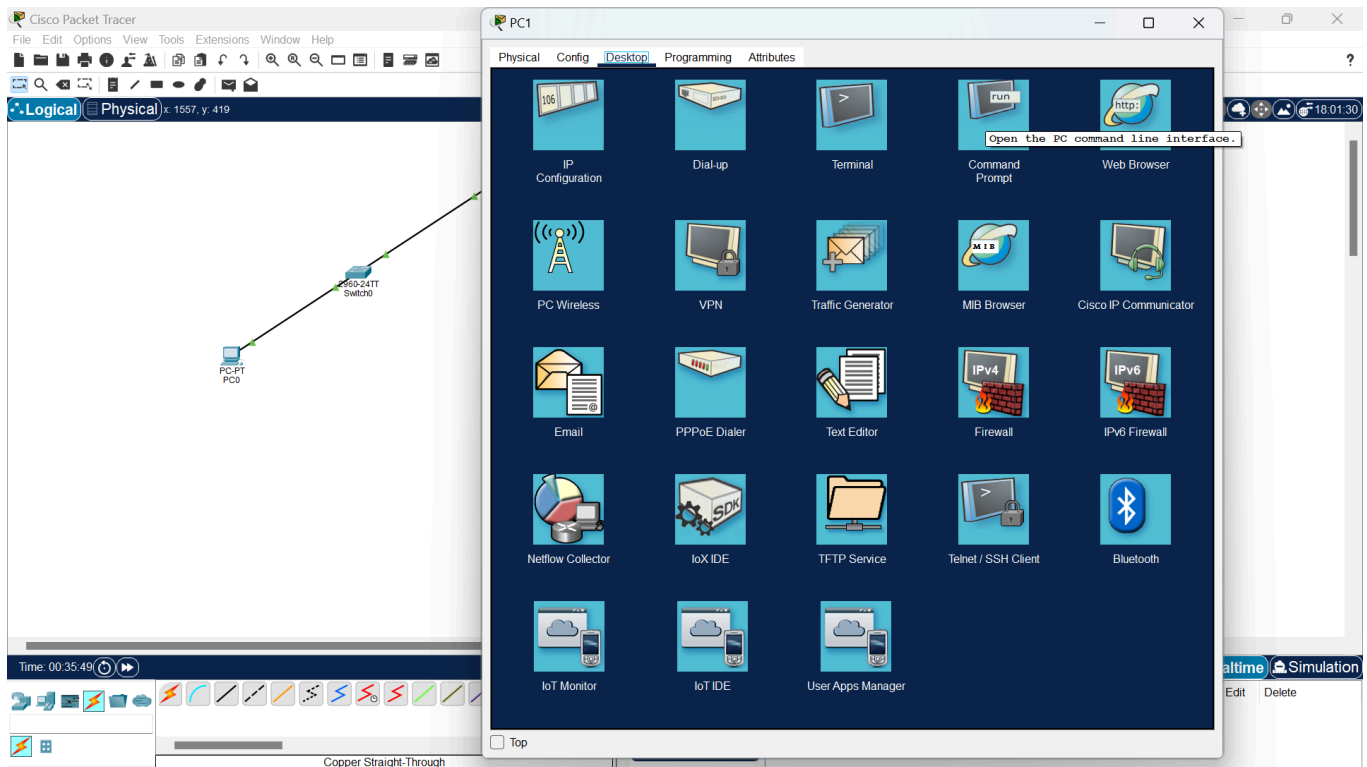
The configuration details for PC1 are shown in a pop-up window:

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	192.168.2.10/24	<not set>	0040.0B94.703C
Bluetooth	Down	<not set>	<not set>	0060.4707.E903

Additional information for PC1 includes:

- Device Name: PC1
- Device Model: PC-PT
- Gateway: 192.168.2.1
- DNS Server: <not set>
- Line Number: <not set>
- Physical Location: InterCity > Home City > Corporate Office > PC1

The bottom status bar shows the time as 00:35:36 and the simulation mode as Realtime. The bottom toolbar includes icons for network management and a "Scenario 0" dropdown menu.



Etape 13 : Effectuer un ping depuis le PC1 vers le PC0 : ping 192.168.1.10

