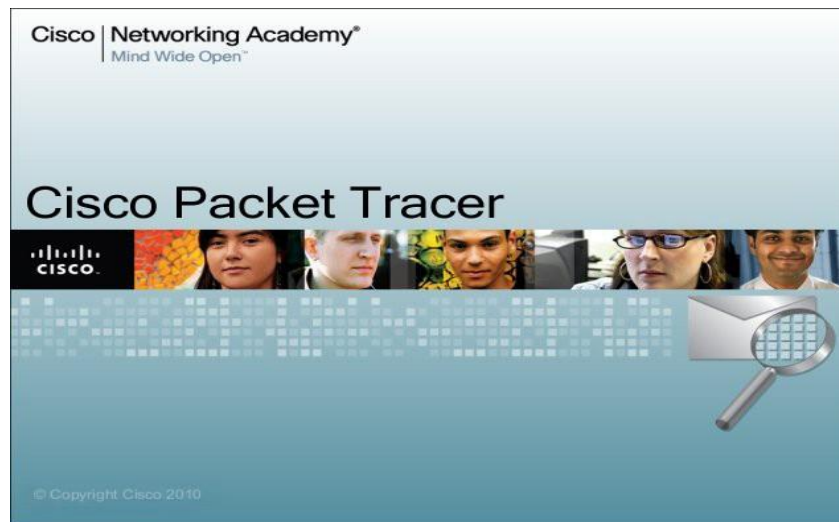
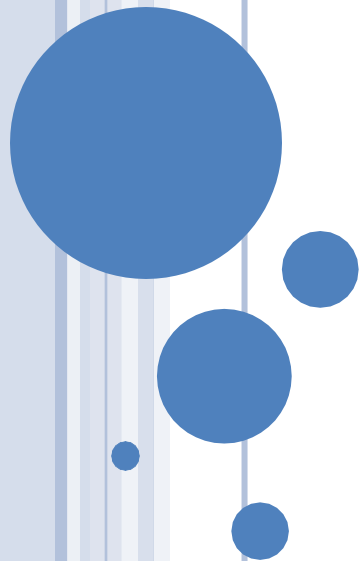


# CISCO PACKET TRACER

# INTRODUÇÃO

- Packet Tracer v5.3 é um simulador de redes desenvolvido pela Cisco Systems®;
- Capaz de simular o funcionamento de uma rede ethernet de par trançado, wireless (802.11) ou de fibra óptica;





# INTERFACE

# INSERINDO DISPOSITIVOS

**Para inserir um dispositivo:**

1. Escolha o tipo de dispositivo
2. Escolha o dispositivo
3. Clique na área de trabalho

The screenshot shows the Packet Tracer 5.0 Beta interface. The top bar includes the 'Logical' tab, '[Root]', and buttons for 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport'. The main workspace is labeled 'Packet Tracer 5.0 Beta' and contains a single router icon labeled '2620XM Router0'. A red arrow points from instruction 3 to the workspace. Another red arrow points from instruction 1 to the 'Routers' category in the bottom-left pane. A third red arrow points from instruction 2 to the '2620XM' device in the bottom-middle pane. The bottom bar shows a 'Time' display of '00:02:59', a 'Power Cycle Devices' button, and a 'Realtime' tab. The bottom-right pane shows a table with columns: 'Fire', 'Last Status', 'Source', 'Destination', and 'Type'. Below the table are buttons for 'New', 'Delete', and 'Toggle PDU List Window'.

Fire	Last Status	Source	Destination	Type
------	-------------	--------	-------------	------

# PRINCIPAIS FERRAMENTAS

The screenshot shows a network design software interface. The main workspace displays a logical topology with three devices: a 2620XM Router0, a 2950-24 Switch0, and a PC-PT PC0. The interface includes a top menu bar with options like 'New Cluster', 'Move Object', and 'Set Tiled Background'. A right-hand toolbar contains various tools, with five specific tools highlighted by red boxes and arrows pointing to text labels. The bottom of the interface features a 'Realtime' panel with a 'Power Cycle Devices' section, a 'Scenario 0' dropdown, and a table with columns for 'Fire', 'Last Status', 'Source', 'Destination', and 'Type'.

**Ferramenta de Seleção**

**Mover toda a topologia**

**Notas**

**Excluir dispositivo ou conexão**

**Redimensionar**

Logical [Root] New Cluster Move Object Set Tiled Background

2620XM Router0

2950-24 Switch0

PC-PT PC0

Time: 00:06:38 Power Cycle Devices

End Devices

Generic Generic Generic Generic IPPhone

PC-PT

Scenario 0

New Delete

Toggle PDU List Window

Realtime

Fire	Last Status	Source	Destination	Type
------	-------------	--------	-------------	------

## DICAS

- Você pode criar várias instâncias do mesmo dispositivo, mantendo pressionada a tecla CTRL ao selecionar o dispositivo para adicionar ao espaço de trabalho.
- Você pode cancelar a criação de vários dispositivos, clicando nele novamente ou outra ferramenta. Além disso, a tecla ESC irá cancelar qualquer ação.
- Vários dispositivos podem ser selecionados ao mesmo tempo usando a ferramenta de selecionar e arrastar em torno dos dispositivos desejados.



# CONEXÕES

**Logical** [Root] New Cluster Move Object Set Tiled Background Viewport

1. Seleção (se necessário)

2. Escolha a conexão

3. Escolha o ícone smart

4. Clique no dispositivo

5. Clique no segundo dispositivo

2620XM Router0

2950-24 Switch0

PC-PT PC0

Time: 01:59:02 Power Cycle Devices

**Connections**

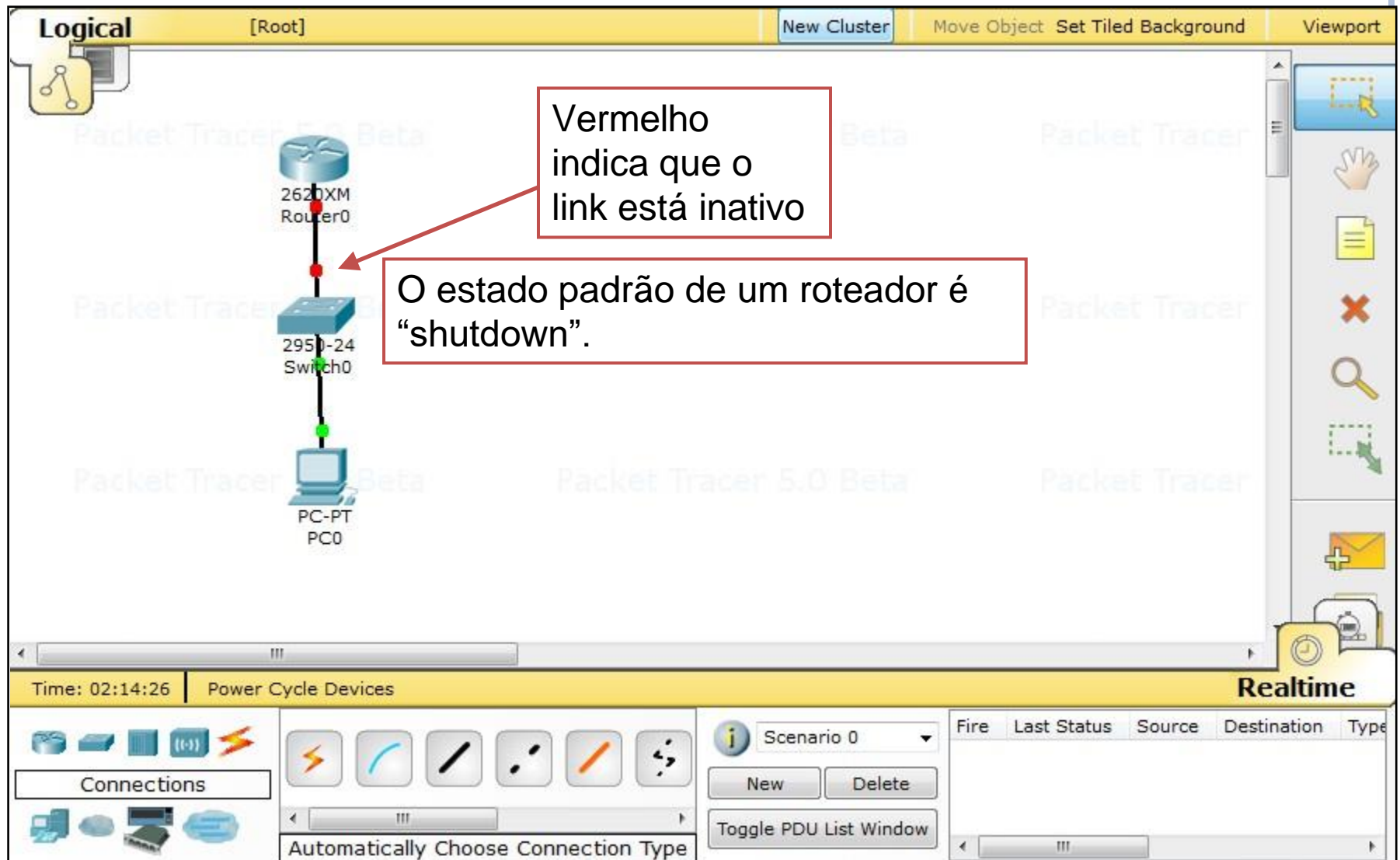
Automatically Choose Connection Type

Scenario 0 New Delete Toggle PDU List Window

Realtime

Fire	Last Status	Source	Destination	Type
------	-------------	--------	-------------	------

# STATUS DA CONEXÃO





# VISUALIZANDO PORTAS

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

2620XM Router0

Fa0/1

2950-24 Switch0

PC-PT PC0

Passe o mouse sobre a conexão para ver quais portas foram selecionadas

Time: 02:16:57 Power Cycle Devices

Connections

Automatically Choose Connection Type

Scenario 0

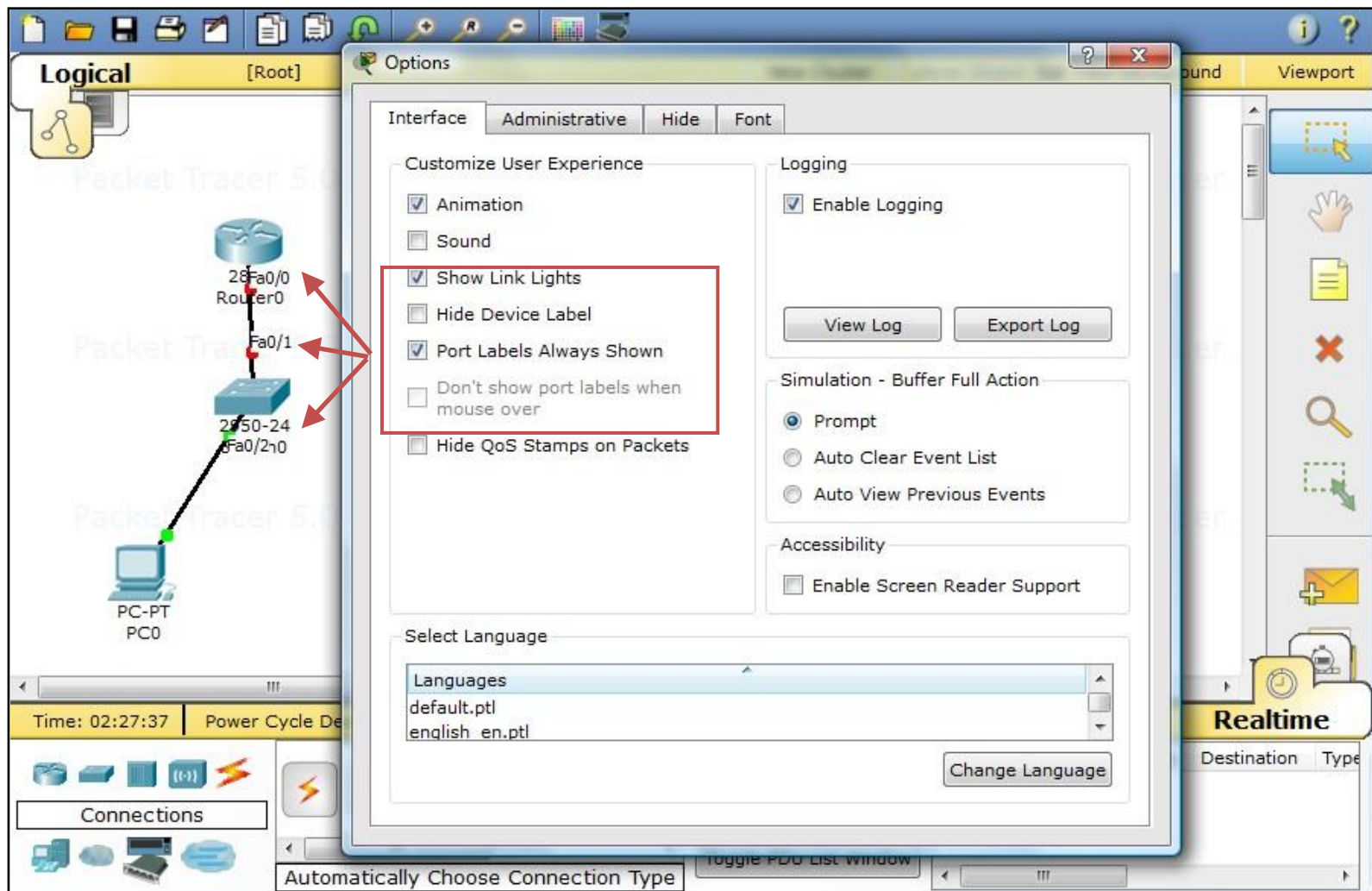
New Delete

Toggle PDU List Window

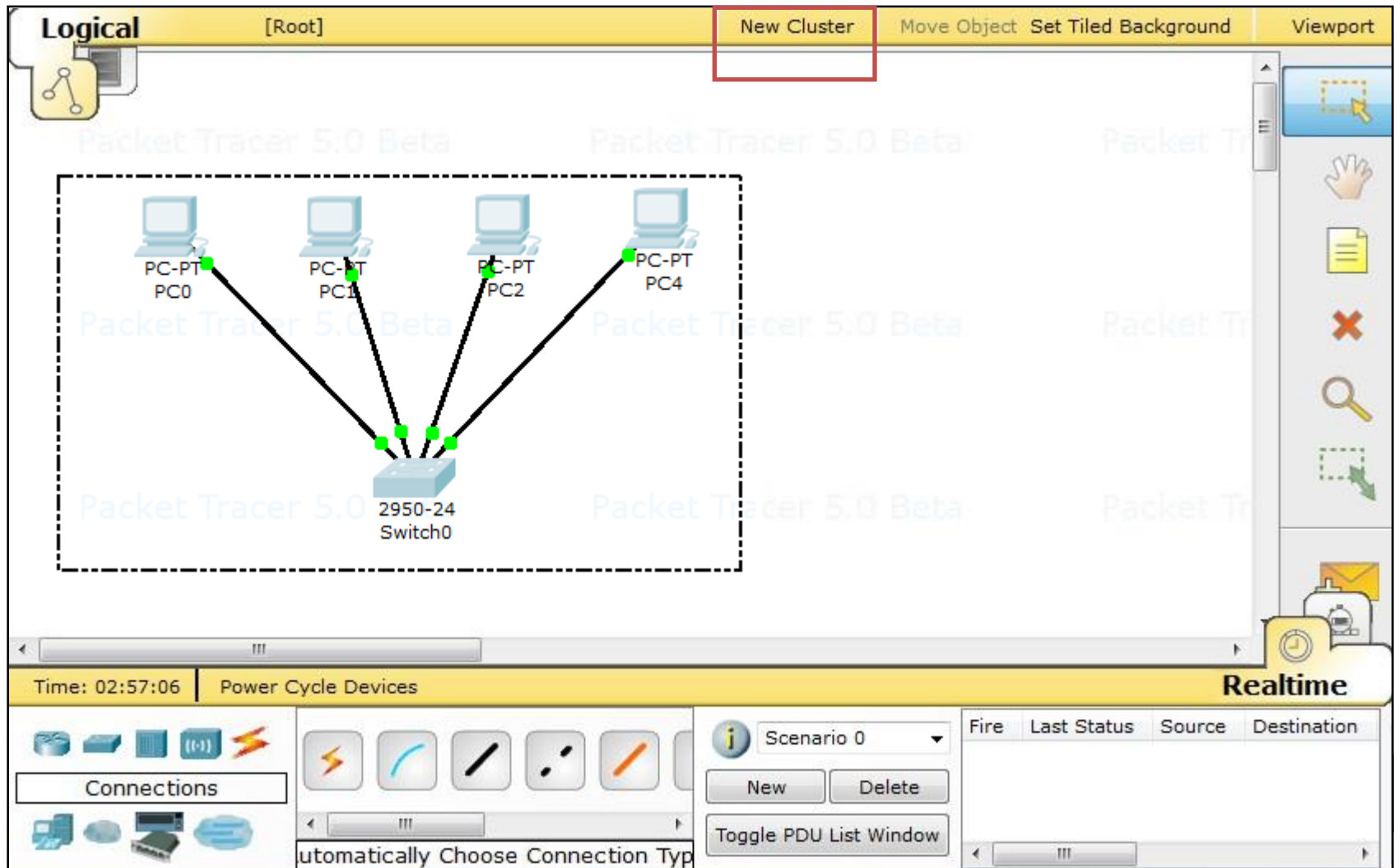
Realtime

Fire	Last Status	Source	Destination	Type
------	-------------	--------	-------------	------

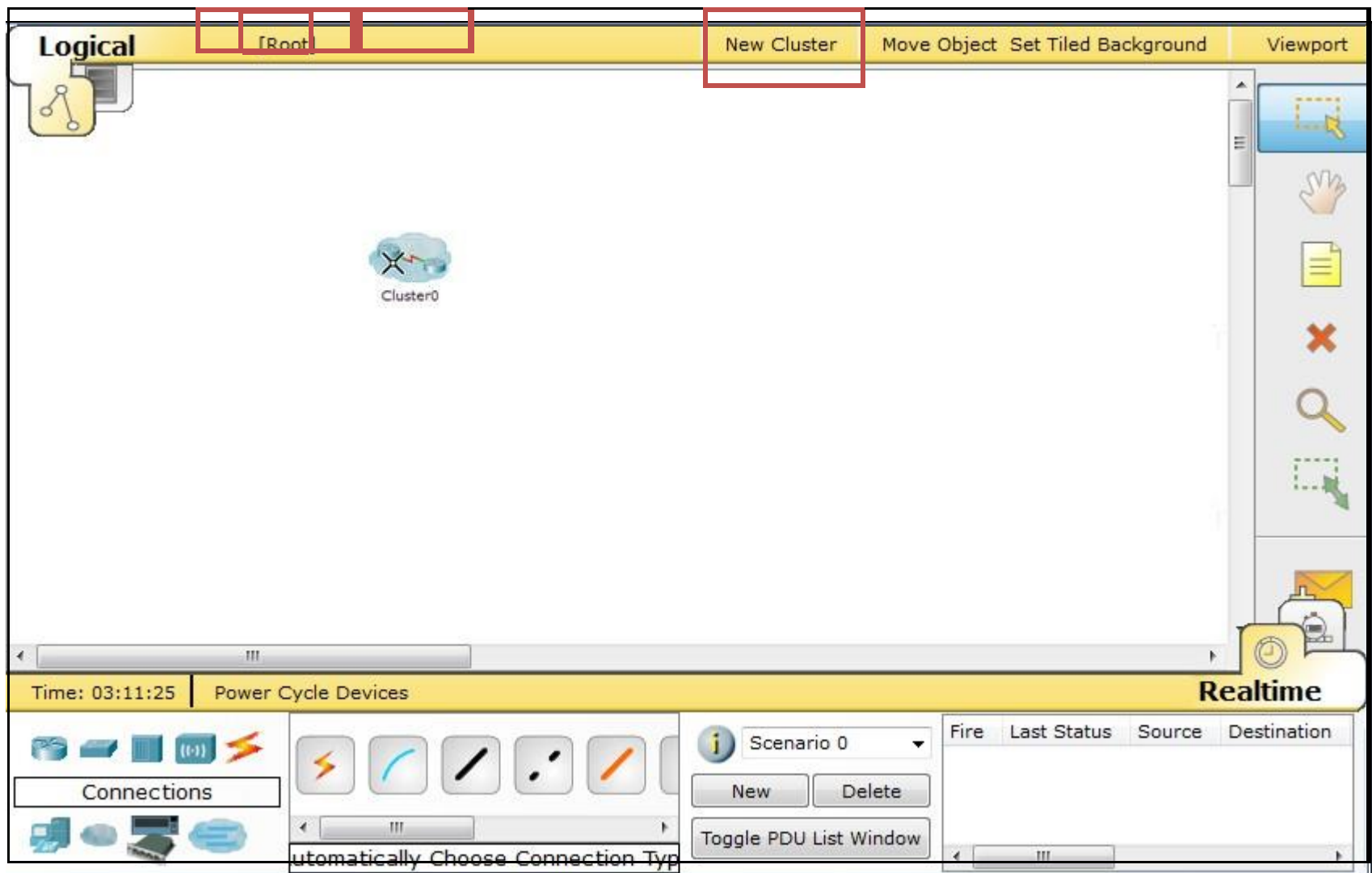
# OPÇÕES DOS DISPOSITIVOS



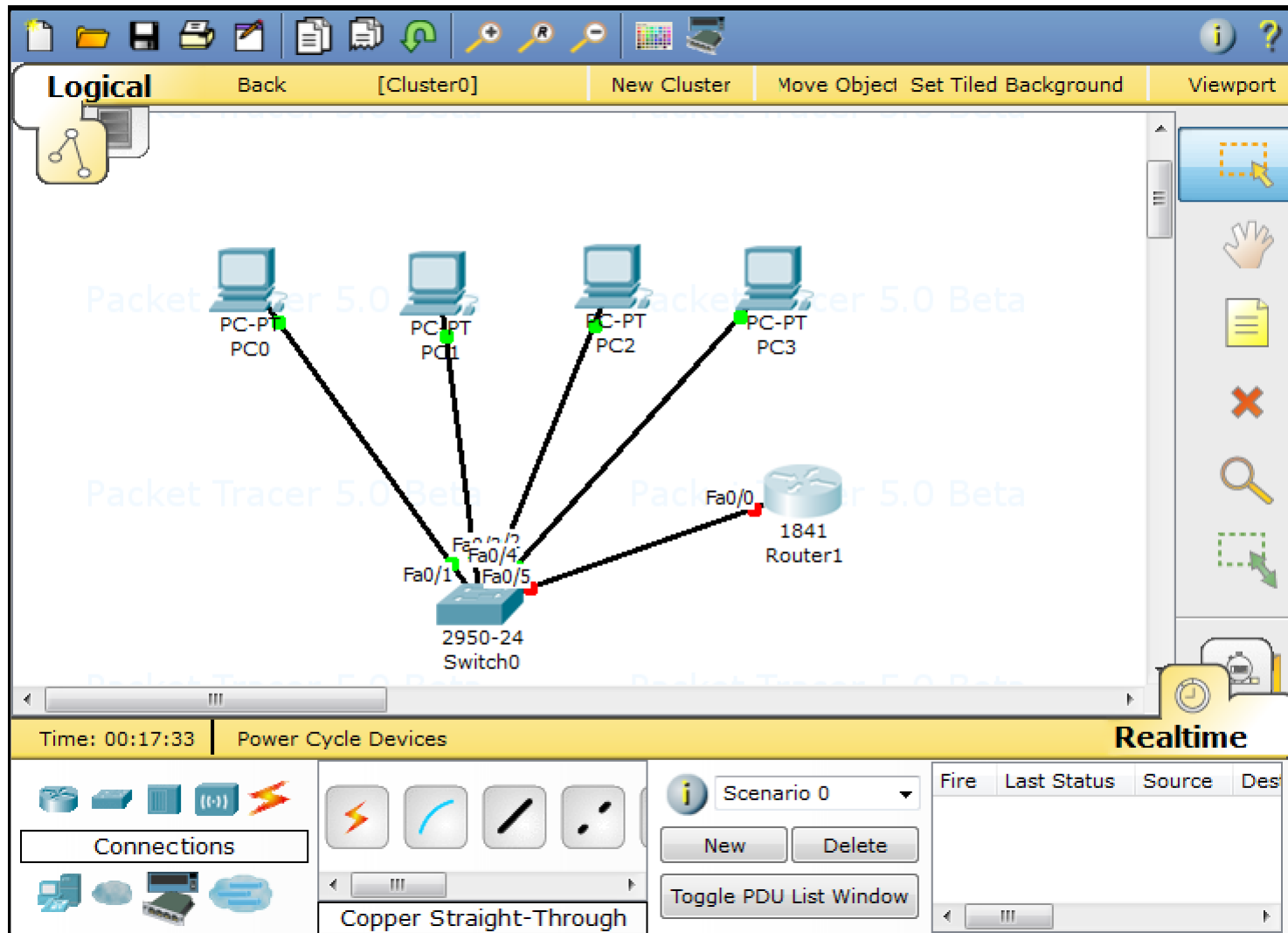
# CRIANDO CLUSTERS (SUBREDES)



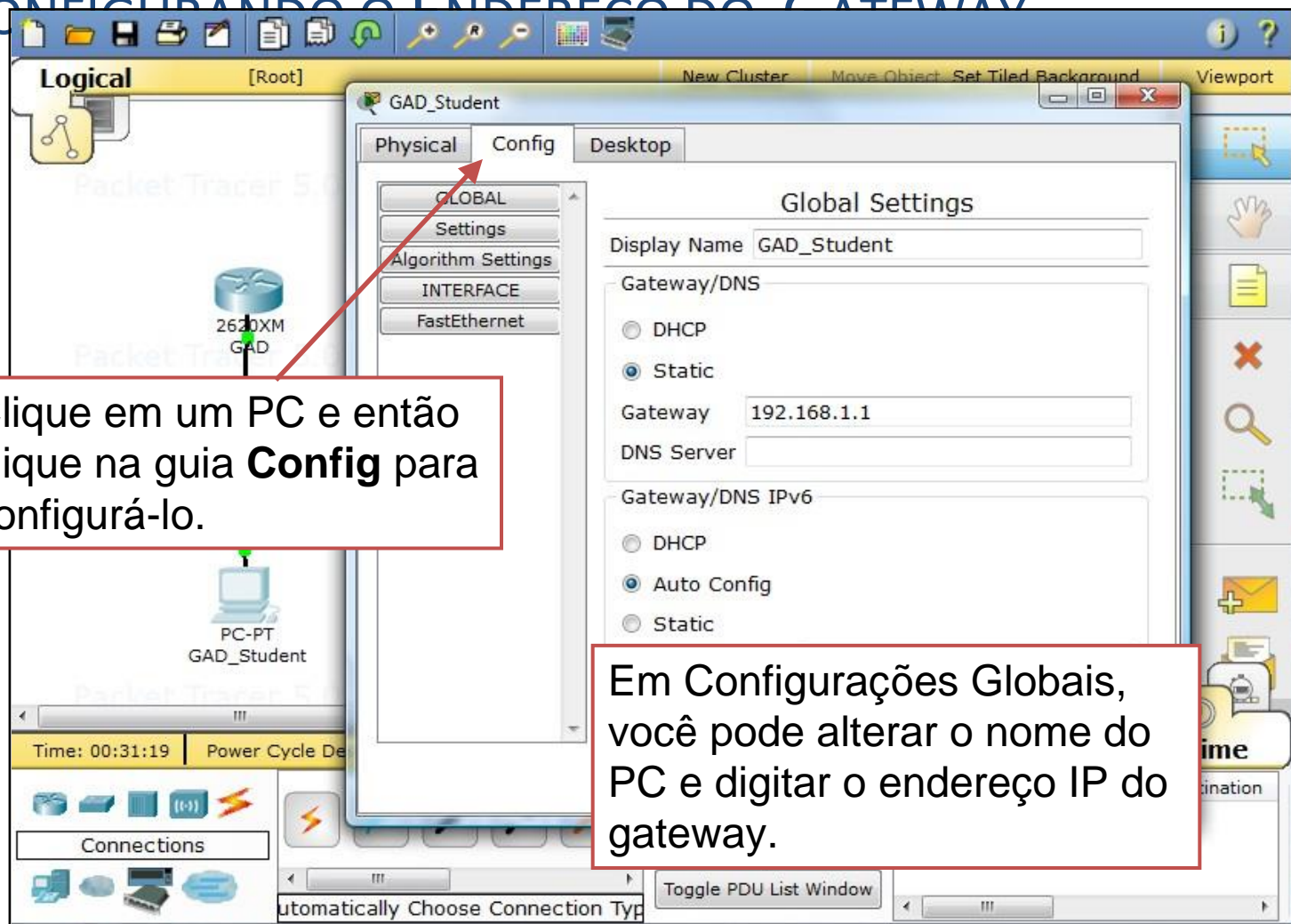
## CRIANDO CLUSTERS (SUBREDES) (2)



# ADICIONANDO UM DISPOSITIVO AO CLUSTER

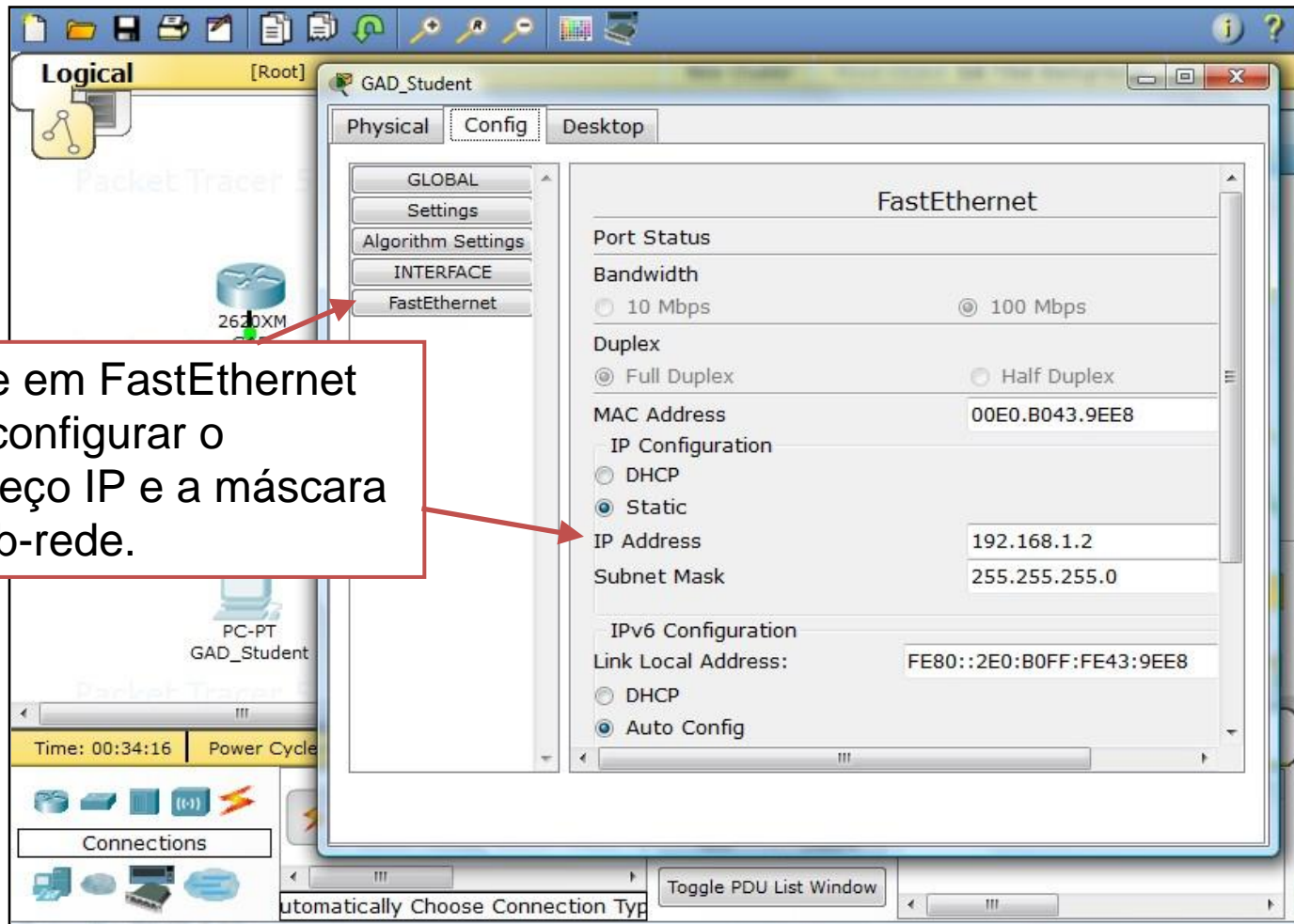


# CONFIGURANDO O ENDEREÇO DO GATEWAY

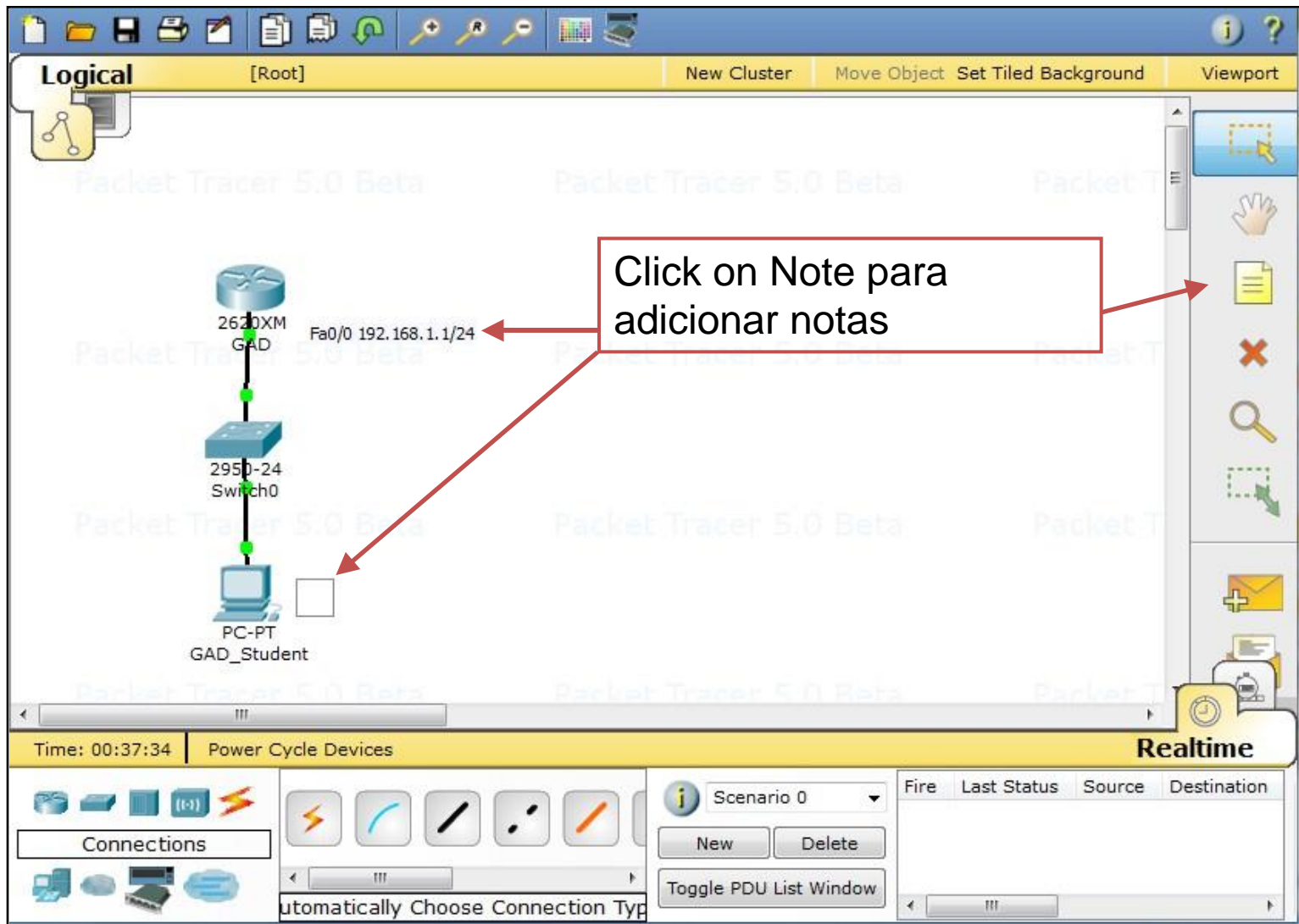




# CONFIGURE O ENDEREÇO IP DO PC



# ADICIONANDO NOTAS





# DESCRIÇÃO DA REDE

The screenshot displays the Packet Tracer 5.0 Beta interface. The main workspace shows a network topology with a router (2620XM GAD) connected to a switch (2950-24 Switch0), which is connected to a PC (PC-PT GAD\_Student). The network is labeled 192.168.1.0/24. The router's Fa0/0 interface is configured with IP 192.168.1.1/24. The PC is configured with IP 192.168.1.2/24 and Gateway 192.168.1.1.

A "Network Description" window is open, providing details about the topology:

**Network Description:**

This topology is the beginning of the larger topology we will build.

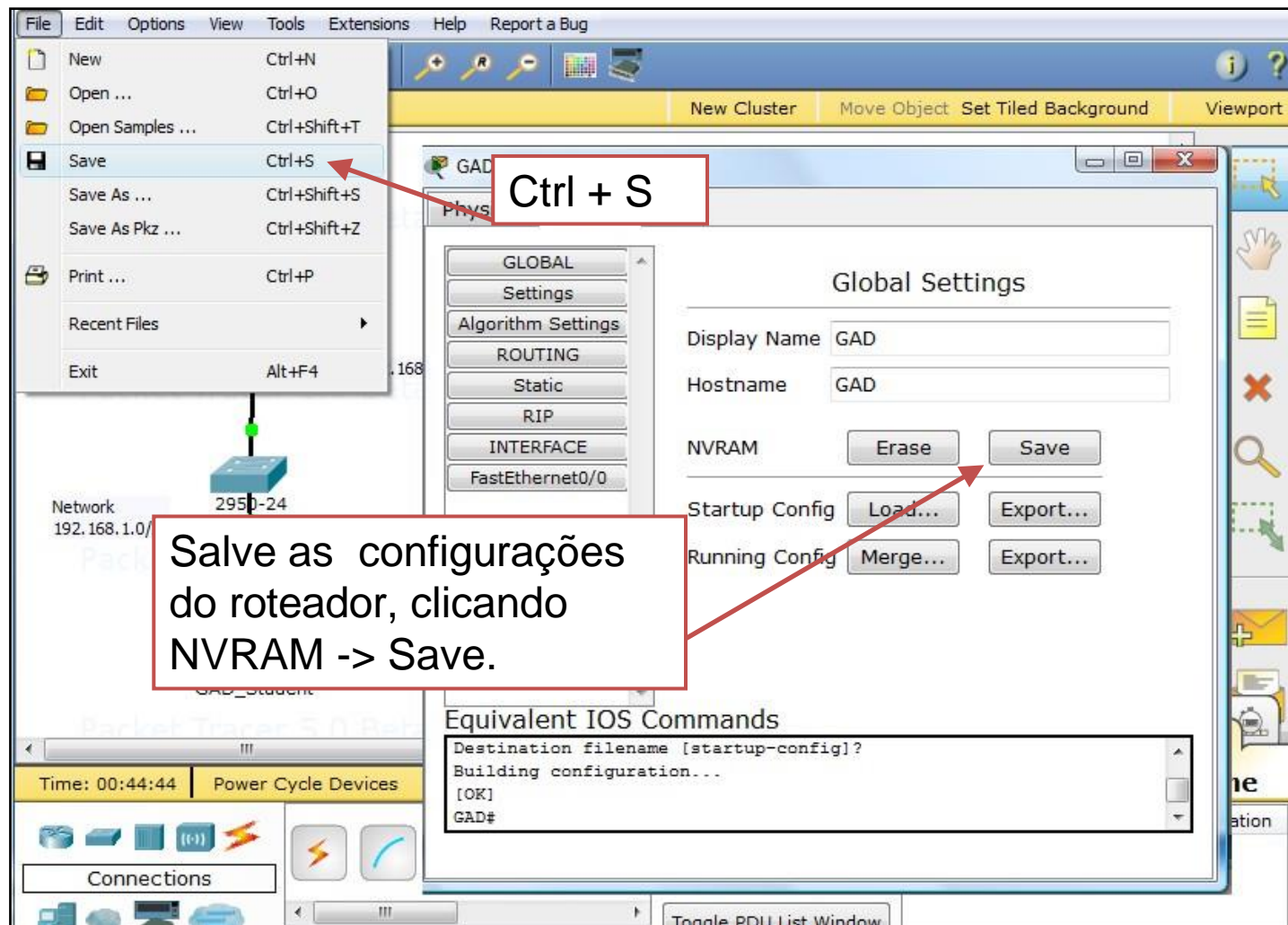
The router has a FastEthernet port that is addressed with the first available IP address in the 192.168.1.0/24 network.

The PC is connected to the network via a switch and has the next available IP address in the 192.168.1.0/24 network. It is configured to use the router's FastEthernet port as the Gateway.

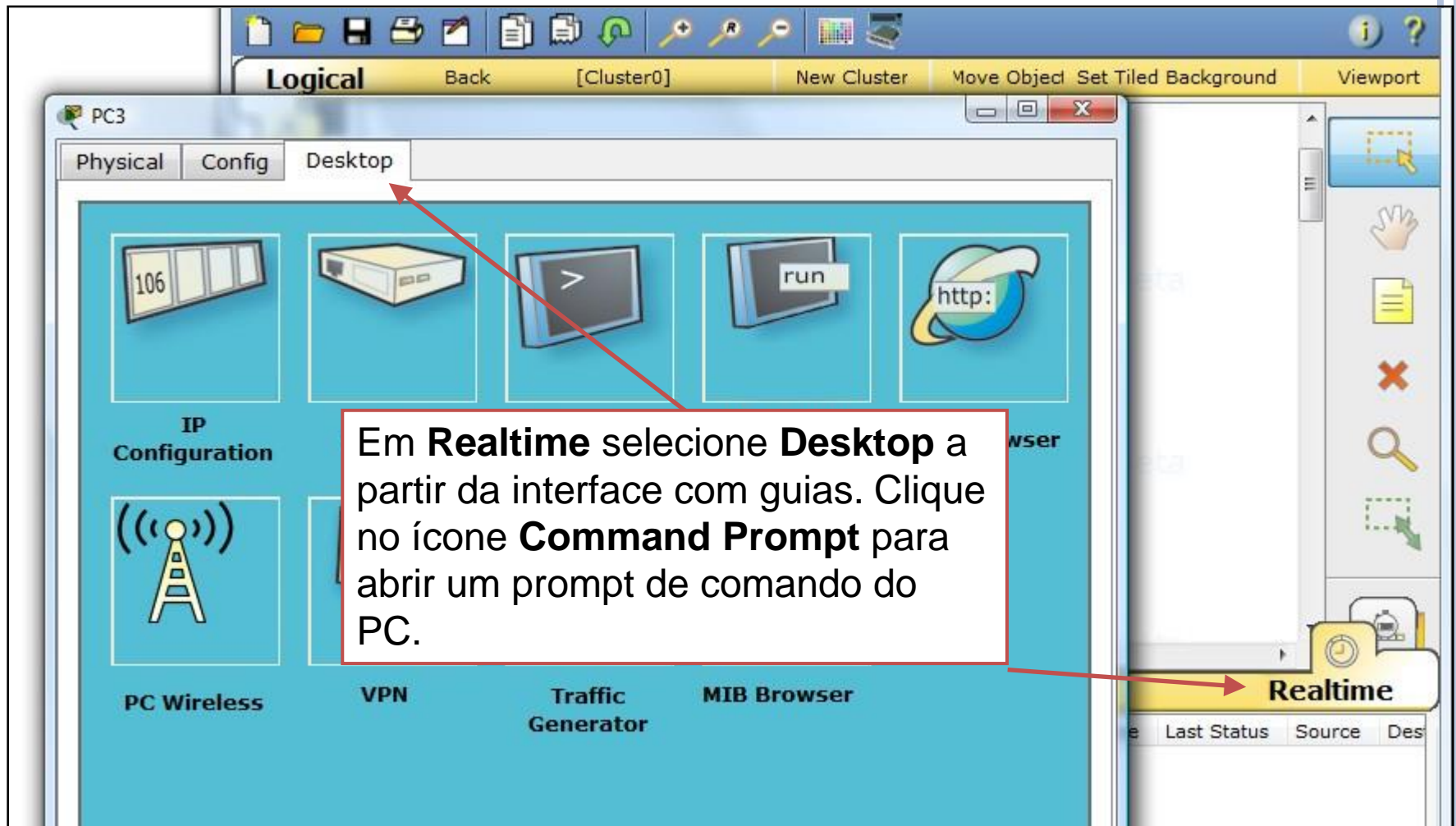
A red box highlights the text: "Clique no ícone 'I' para adicionar uma descrição da rede." (Click the 'I' icon to add a network description).

The interface also shows a toolbar with various icons, including an information icon 'I' in the top right corner. The bottom status bar indicates "Time: 00:41:59" and "Power Cycle Devices". The bottom right corner shows the "Realtime" tab and a table with columns: Fire, Last Status, Source, Destination.

# SALVANDO A TOPOLOGIA



# VERIFICAÇÃO EM TEMPO REAL



# PING PARA O GATEWAY

Ping para o gateway.

The screenshot displays the Packet Tracer interface. On the left, the 'Logical' tab shows a network topology with a 2620XM GAD router connected to a 2950-24 Switch0, which is connected to a PC-PT GAD\_Student. A red arrow points from the text 'Ping para o gateway.' to the Command Prompt window. The Command Prompt window, titled 'GAD\_Student', shows the following output:

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=153ms TTL=120
Reply from 192.168.1.1: bytes=32 time=78ms TTL=120
Reply from 192.168.1.1: bytes=32 time=69ms TTL=120
Reply from 192.168.1.1: bytes=32 time=80ms TTL=120

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 69ms, Maximum = 153ms, Average = 95ms

PC>
```

The bottom of the interface shows the 'Connections' panel and the 'Scenario 0' dropdown menu.

## EM CASO DE DÚVIDA ...

- Ajuda (F1)
- Tutoriais (F11)
- Recursos Online (Online Resources)

AS?

