



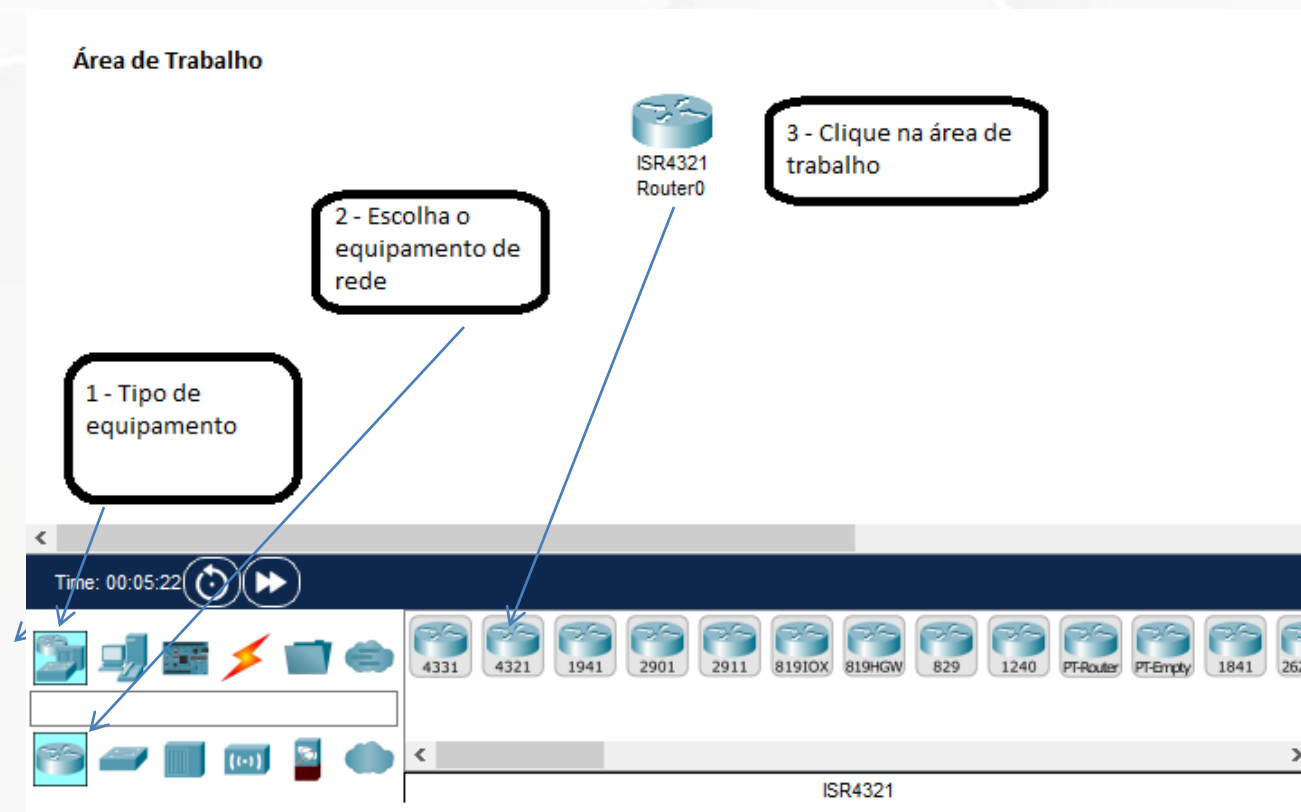
Conectando  
**Conquistas,**  
Transformando  
**Futuros**

# Cisco Packet Tracer

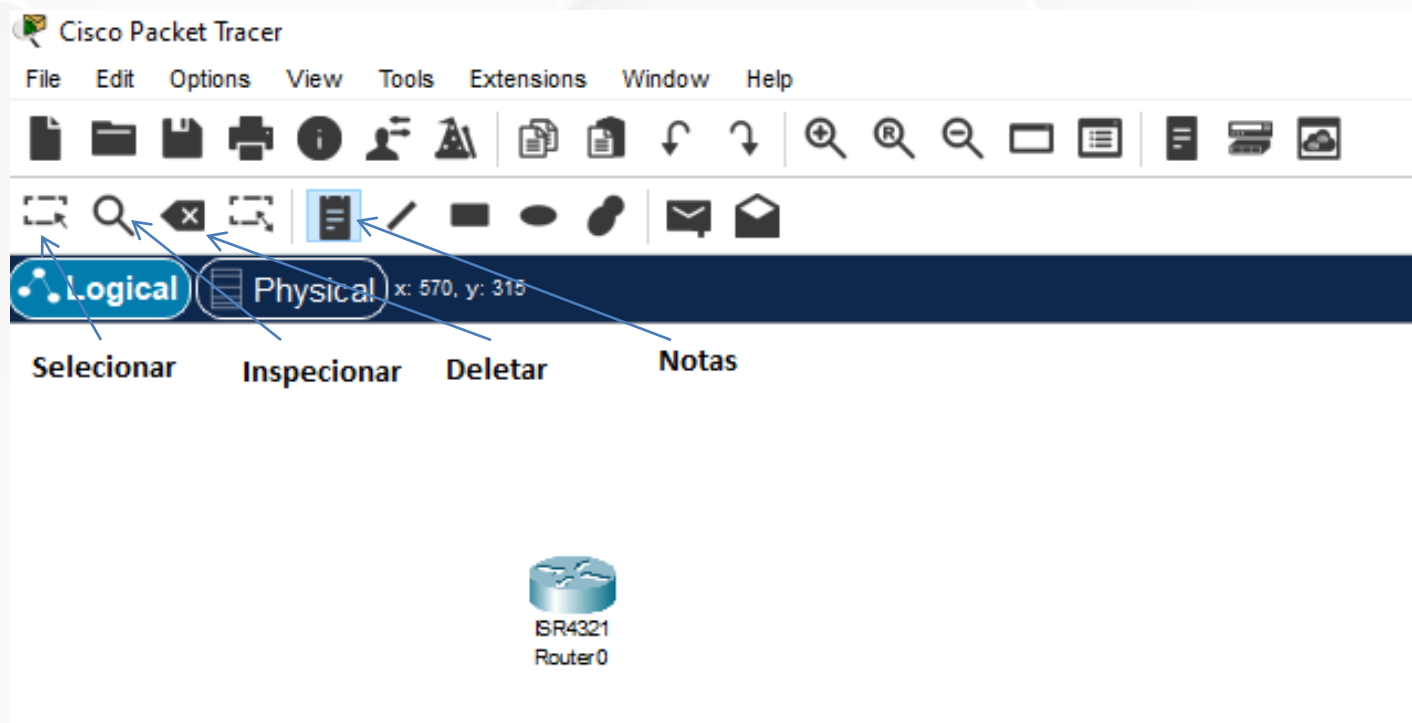
- É um simulador de redes desenvolvido pela Cisco Systems®;
- Capaz de simular o funcionamento de redes ;



# Inserção de dispositivos



# Ferramentas

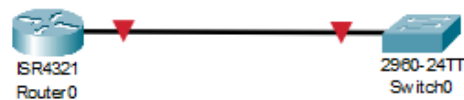


# Dicas

- Para criar várias instâncias do mesmo dispositivo, basta manter pressionado a tecla CTRL ao selecionar o dispositivo para adicionar na área de trabalho.
- Para selecionar vários dispositivos, você pode clicar e arrastar na volta dos dispositivos que deseja selecionar;



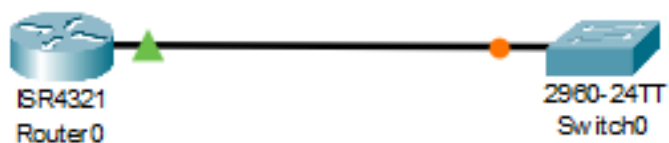
# Conexões



Clique no equipamento 1, escolha a porta e vá até o equipamento 2, fazendo o mesmo processo.



# Status



**Verde = link up**  
**Vermelho = link down**  
**Laranja = Atualizando**

# Habilitando as portas

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 439, y: 289

PC0

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth 100 Mbps 10 Mbps Auto

Duplex Half Duplex Full Duplex Auto

MAC Address 0060.702C.817D

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

Subnet Mask

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address FE80::260:70FF:FE2C:817D

2 - Ative a porta

3 - Escolha o modo de configuração ip

1 - Clica com o botão direito do mouse

Time: 00:45:51

Realtime Simulation

Color Time(sec) Periodic Num Edit



# Definindo o Gateway

The screenshot displays the Cisco Packet Tracer interface. On the left, a network diagram shows a router labeled 'Router - 192.168.0.1' connected to a PC labeled 'PC-PT PC0'. The PC is highlighted with a black circle, and a blue arrow points from this circle to the configuration window. The configuration window for PC0 is open, showing the 'Config' tab. In the left sidebar, the 'INTERFACE' section is expanded, and 'FastEthernet0' is selected. The main configuration area shows 'Global Settings' for 'FastEthernet0'. Under 'Gateway/DNS IPv4', the 'Static' radio button is selected, and the 'Default Gateway' is set to '192.168.0.1'. The 'Gateway/DNS IPv6' section shows 'Automatic' selected. The bottom status bar indicates 'Time: 00:52:45' and 'Realtime' simulation mode.

# Configurando o IP de um PC

The screenshot displays the Cisco Packet Tracer interface with three main components and annotations:

- Left Panel (Topology):** Shows a network diagram with a router (ISR4321) and a PC (PC-PT). An arrow points to the PC with the annotation: "1 - Configurando o IP do PC".
- Center Panel (PC Configuration):** The "Config" tab is active, showing the "FastEthernet0" interface configuration. The "INTERFACE" section is highlighted, and "FastEthernet0" is selected. The "IP Configuration" section shows "Static" selected, with the IP address "192.168.0.2" and subnet mask "255.255.0.0" entered and highlighted by a red box. The annotation "2 - Seleccione a interface utilizada" points to the "FastEthernet0" selection.
- Right Panel (CLI):** Shows the command-line interface with the "Root" prompt. The annotation "3 - Coloque um IP pertencente a mesma rede e máscara de rede." points to the IP configuration fields in the center panel.

At the bottom of the interface, there are tabs for "Realtime" and "Simulation", and a status bar showing "Time: 00:56:22".

# Hora de Praticar

- 1) Crie uma rede (192.168.10.0) com 3 PCs, conectados a um switch e a um roteador(gateway).
- 2) Crie outra rede (172.168.0.0) com 3 PCs, conectados a um switch e a um roteador(gateway).
- 3) Conectar as duas redes e testar a conexão entre as duas redes;