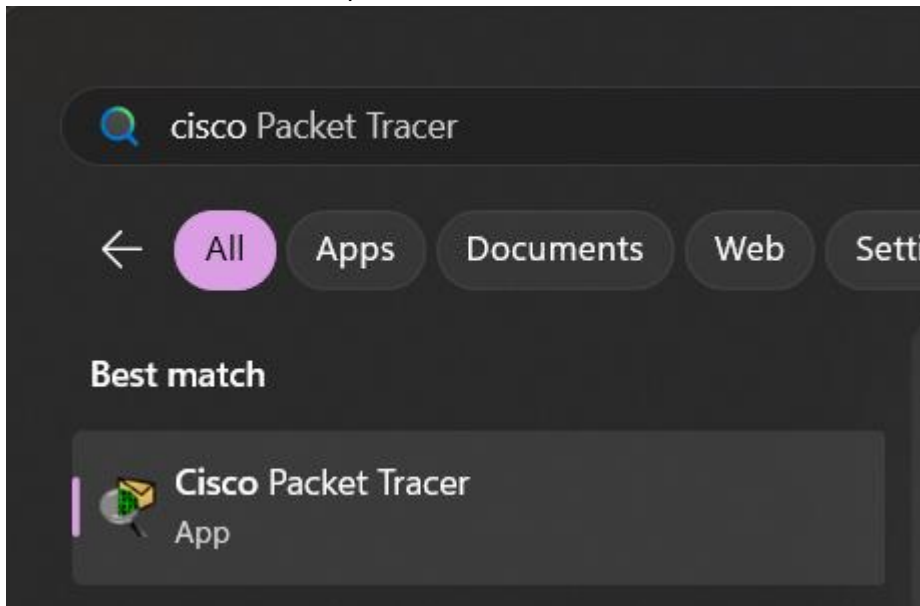


Arquitetura de Redes e IoT

Configuração de Servidores DHCP, DNS e HTTP

1. Abra o Cisco Packet Tracer pelo Menu Iniciar



2. No menu inferior esquerdo selecione **“End Devices”** e adicione:

2 PC

1 Laptop

3 Server

na área de trabalho do Packet Tracer



3. No menu inferior esquerdo selecione **“Network Devices => Router”** e adicione:

1 Router 4331

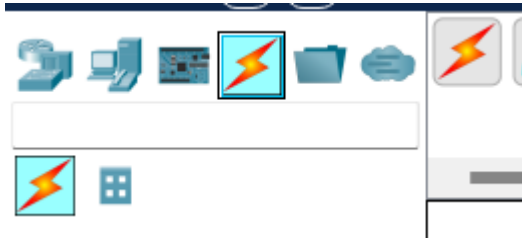


4. No menu inferior esquerdo selecione **“Network Devices => Switch”** e adicione:

1 Switch 2960

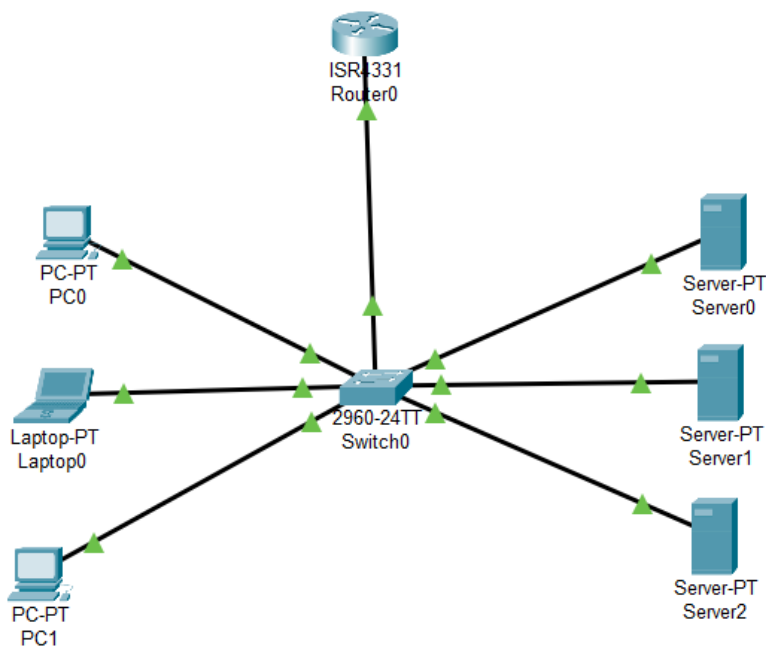


5. No menu inferior esquerdo selecione **“Connections”** e selecione o Raio:



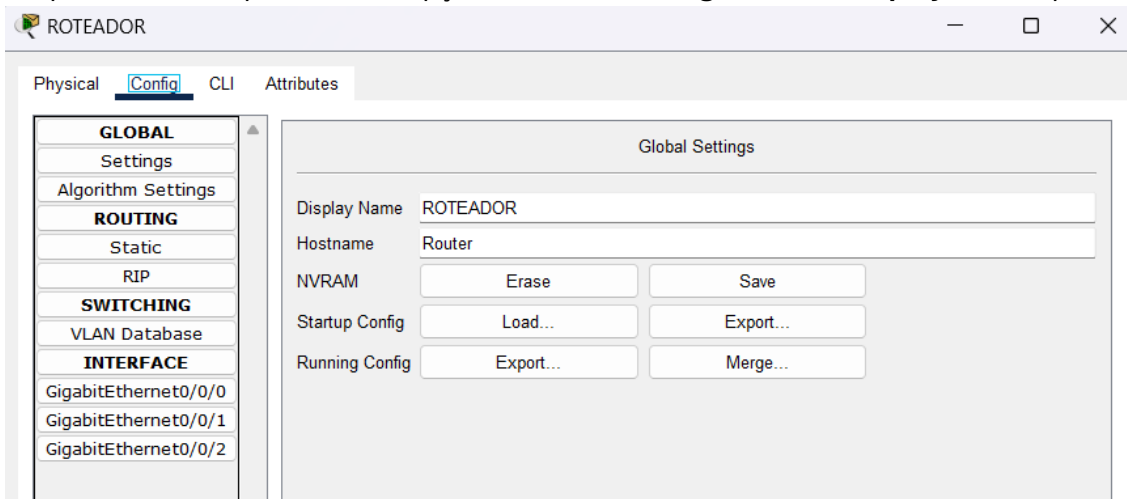
6. Com o **RAIO** selecionado conecte todos os dispositivos ao Switch na seguinte ordem:

1. Router0
2. Server0
3. Server1
4. Server2
5. PC0
6. Laptop0
7. PC1

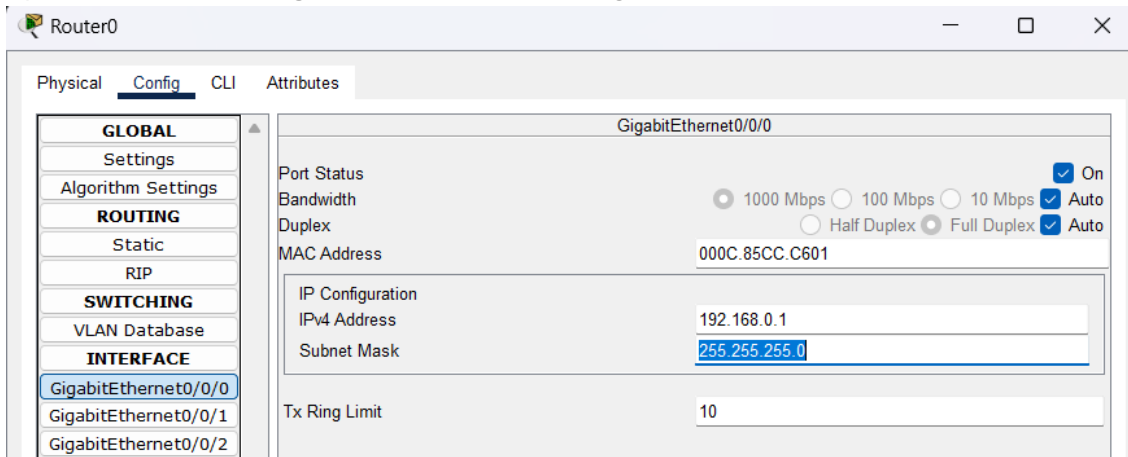


Obs. Não se preocupe se as conexões não ficarem verdes. Vamos configurar agora.

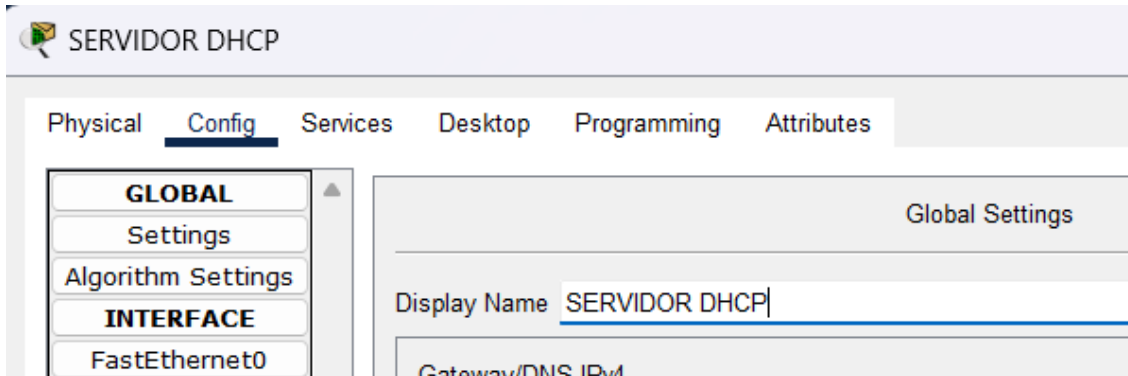
7. Clique no **Router0** para abrir as opções e, na aba **Config**, altere o **“Display Name”** para **ROTEADOR**



8. Após isso selecione **GigabitEthernet0/0/0** configure como destacado abaixo. E feche as configurações.



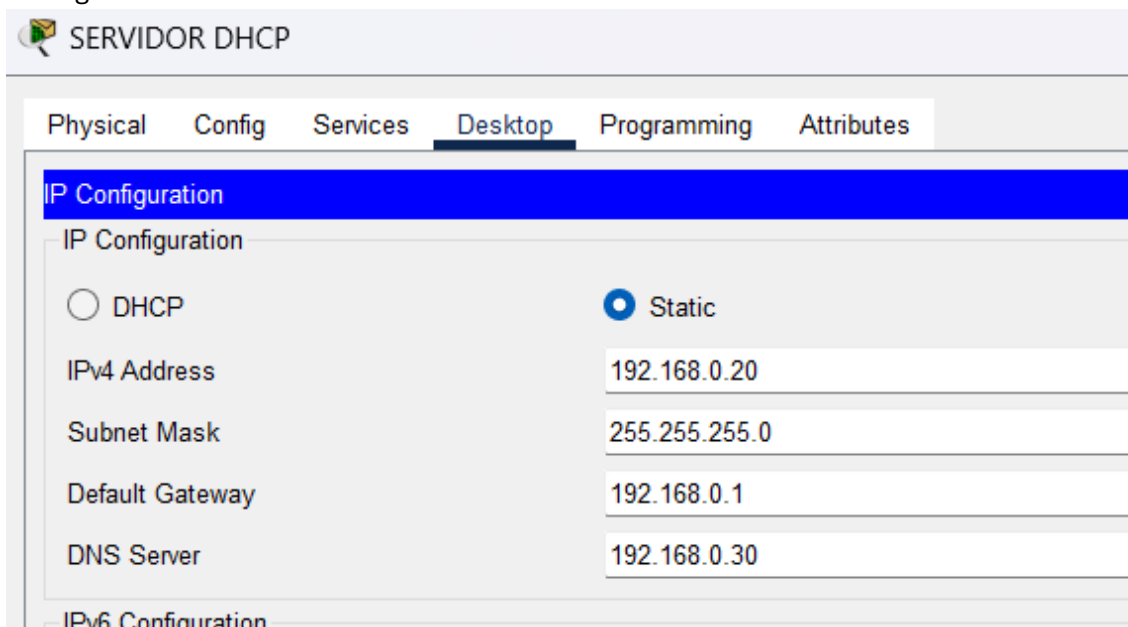
9. Clique em Server0 para abrir as opções e, na aba **Config**, altere o “**Display Name**” para “**SERVIDOR DHCP**”



10. Na Aba “**Desktop**” clique em “**IP Configuration**”



11. Configure conforme o destacado abaixo:



12. Na aba **“Services”**, selecione **DHCP** e configure conforme o destacado. Feche as configurações.

The screenshot shows the 'SERVIDOR DHCP' configuration window with the 'Services' tab selected. The 'DHCP' service is configured with the following settings:

- Interface: FastEthernet0
- Service: ☒ On
- Pool Name: serverPool
- Default Gateway: 192.168.0.1
- DNS Server: 192.168.0.30
- Start IP Address: 192.168.0.50
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 100
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Buttons: Add, Save, Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.0.1	192.168.0.30	192.168.0.50	255.255.255.0	100	0.0.0.0	0.0.0.0

13. Clique em Server1 para abrir as opções e, na aba **Config**, altere o **“Display Name”** para **“SERVIDOR DNS”**

The screenshot shows the 'SERVIDOR DNS' configuration window with the 'Config' tab selected. The 'Display Name' is set to 'SERVIDOR DNS'.

Display Name: SERVERIDOR DNS

14. Na Aba **“Desktop”** clique em **“IP Configuration”**

The screenshot shows the 'Desktop' tab with two icons: 'IP Configuration' (labeled 106) and 'Terminal' (labeled >).

15. Configure conforme o destacado abaixo:

The screenshot shows the 'SERVIDOR DNS' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is highlighted in blue. Below it, the 'IP Configuration' settings are shown:

- ☐ DHCP
- ☒ Static
- IPv4 Address: 192.168.0.30
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.0.1
- DNS Server: 0.0.0.0

16. Na aba “**Services**”, selecione **DNS** e configure conforme o destacado. Feche as configurações

The screenshot shows the 'SERVIDOR DNS' configuration window with the 'Services' tab selected. The 'DNS' service is highlighted in the left sidebar. The main configuration area shows the 'DNS' service settings:

- DNS Service**: ☒ On, ☐ Off
- Resource Records**:
 - Name: www.teste.com
 - Type: A Record
 - Address: 192.168.0.10
- Buttons: Add, Save, Remove
- Table of Resource Records:

No.	Name	Type	Detail
0	www.teste.com	A Record	192.168.0.10

17. Clique em Server2 para abrir as opções e, na aba **Config**, altere o “**Display Name**” para “**SERVIDOR HTTP**”

The screenshot shows the 'SERVIDOR HTTP' configuration window with the 'Config' tab selected. The 'GLOBAL' section is highlighted in the left sidebar. The main configuration area shows the 'Display Name' field set to 'SERVIDOR HTTP'.

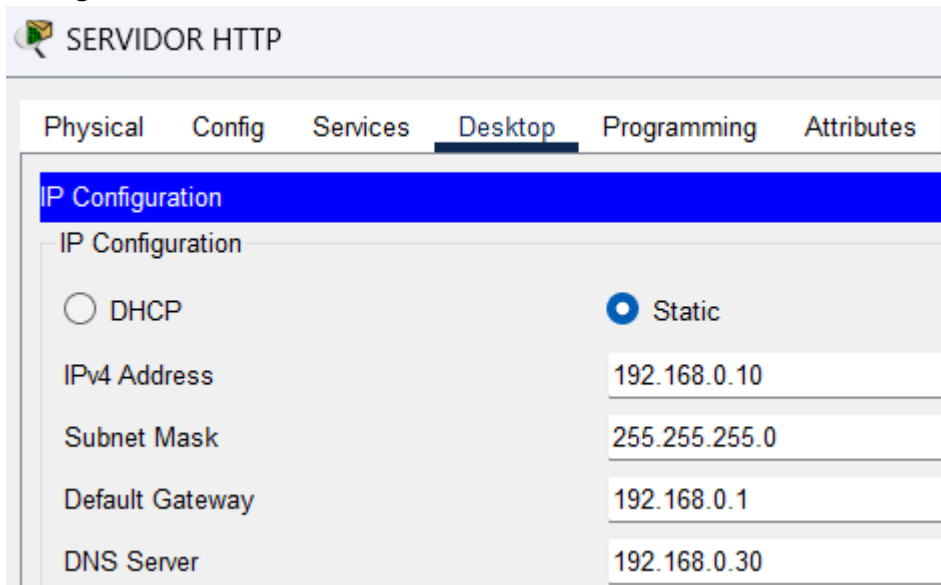
Display Name: SERVIDOR HTTP

Gateway/DNS IPv4

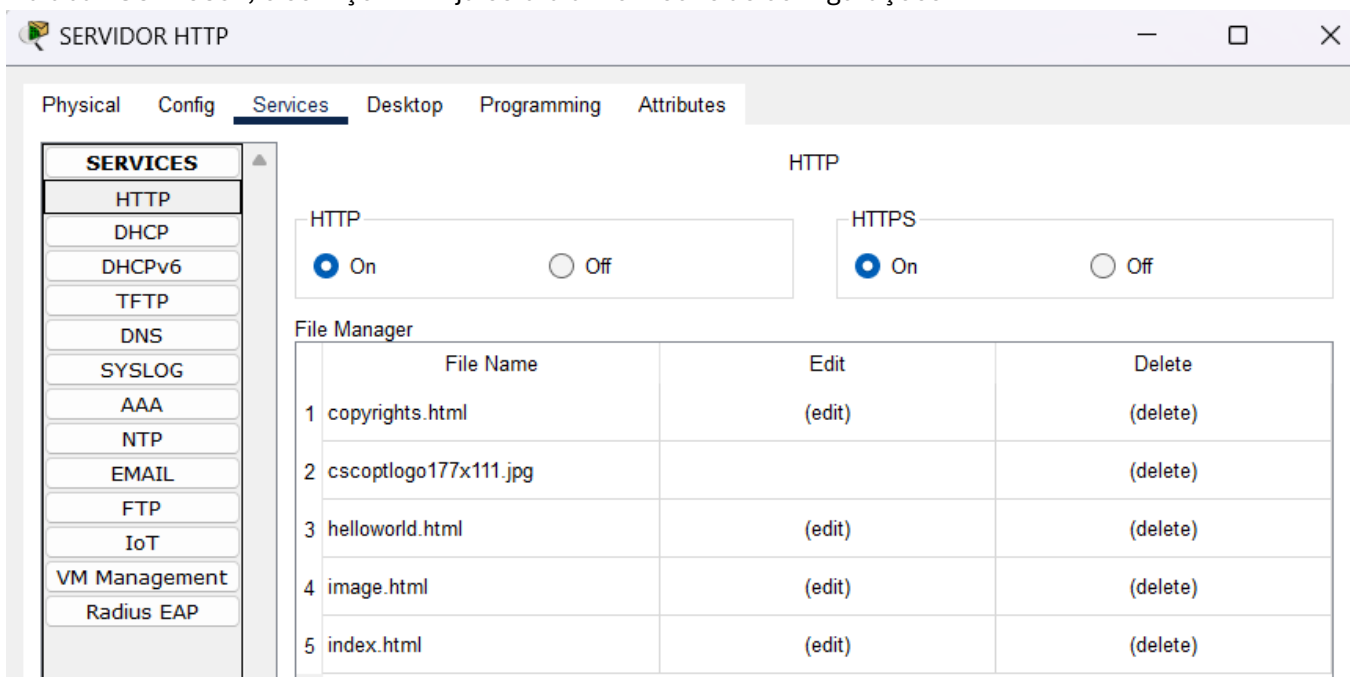
18. Na Aba “**Desktop**” clique em “**IP Configuration**”



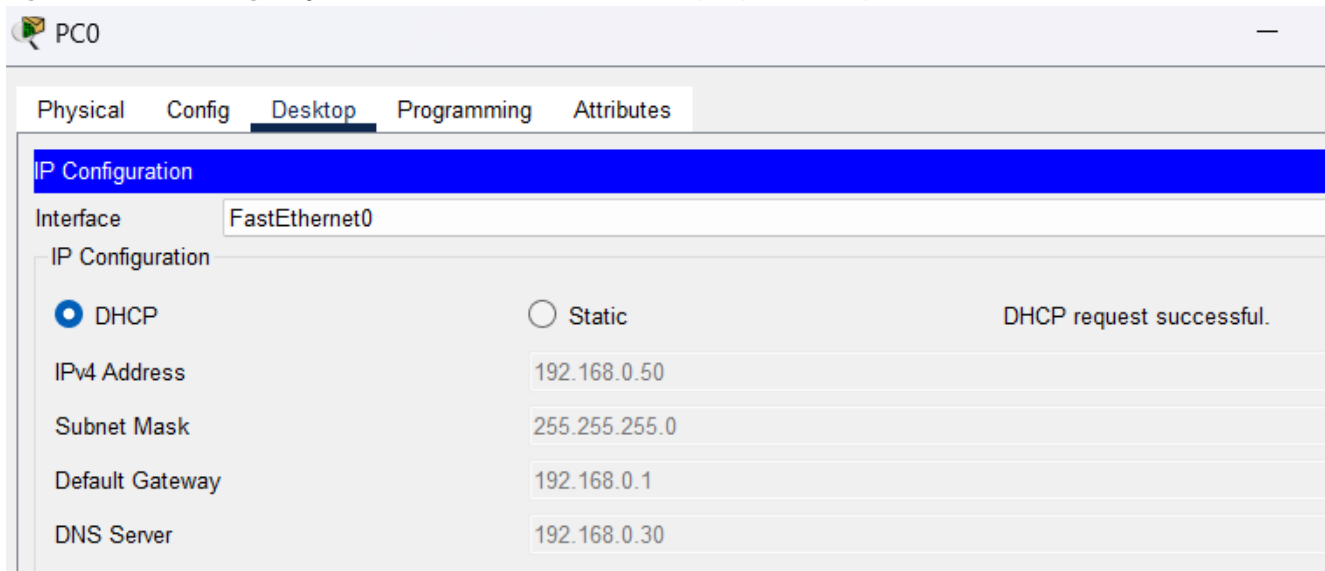
19. Configure conforme o destacado abaixo:



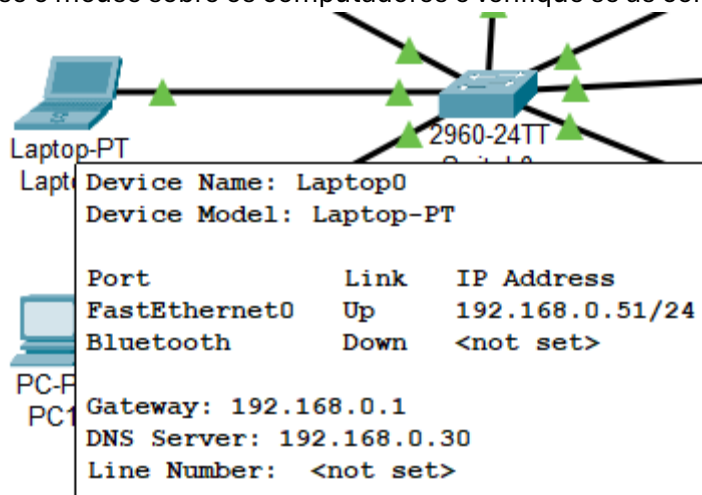
20. Na aba “**Services**”, o serviço **HTTP** já estará ativo. Feche as configurações



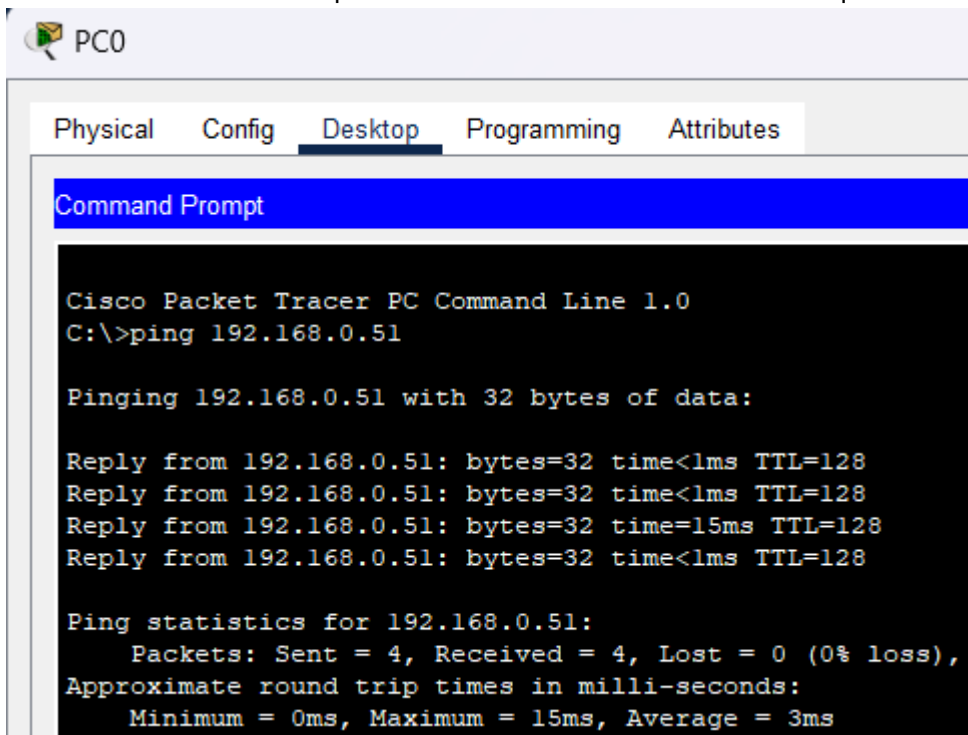
21. Agora abra as configurações de IP nos dois PCs e no Laptop e altere para DHCP como abaixo:



22. Passe o mouse sobre os computadores e verifique se as configurações estão corretas

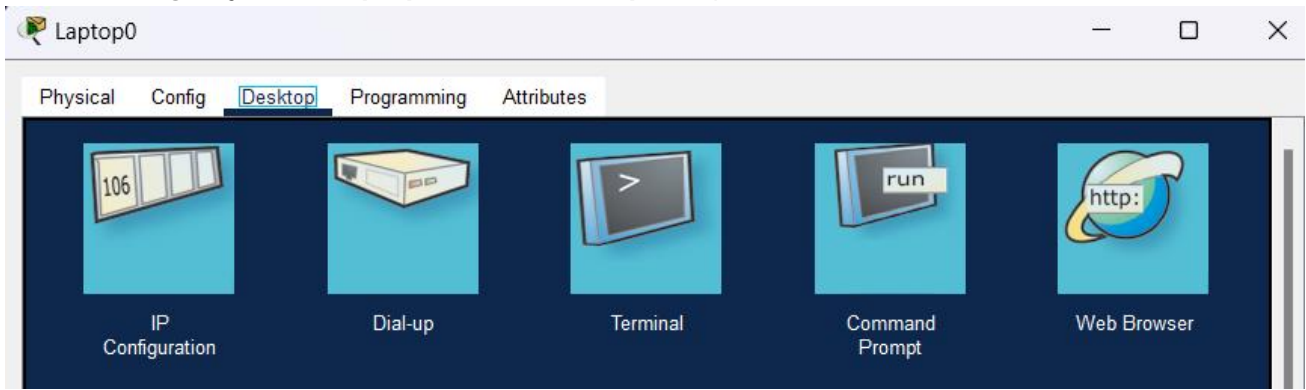


23. Execute o comando PING para testar a conectividade entre as máquinas



Obs. Os IPs podem ser diferentes

24. Abra as configurações do **Laptop0**, vá em **Desktop** e clique em Web Browser



25. Acesse site **www.teste.com**

