

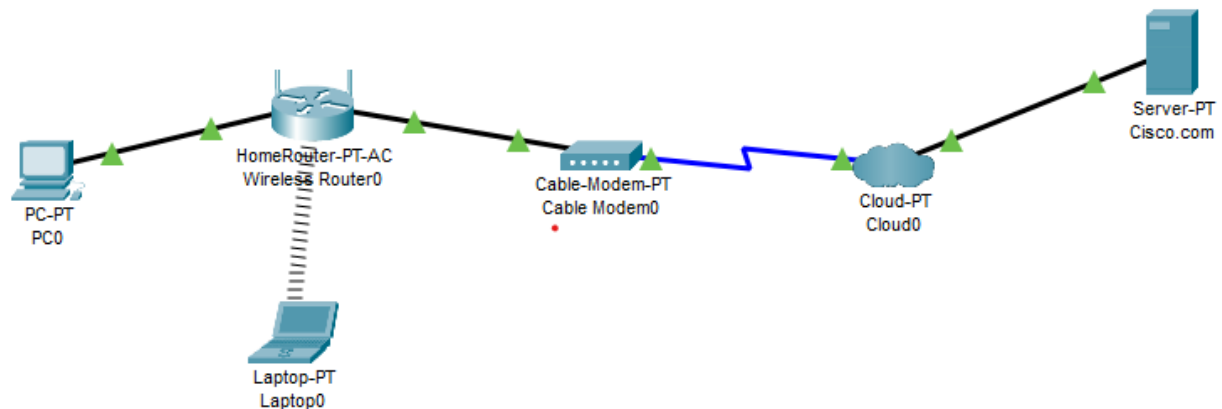
# **vRED DOMÉSTICA Y SERVIDOR WEB CON CISCO PACKET TRACER**

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Curso: 2º DAW

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Topología de red:



Configuración wireless del router. Cambiaremos el nombre SSID e introduciremos nuestro nombre.

Wireless Tri-Band Home

**Setup** **Wireless** **Security** **Access Restrictions** **Applications & Gaming** **Administration**

Basic Wireless Settings Wireless Security Guest Network Wireless MAC Filter

**2.4 GHz**

Network Mode: Auto

Network Name (SSID): RicardoApaza

SSID Broadcast: ☒ Enabled ☐ Disabled

Standard Channel: 1 - 2.412GHz

Channel Bandwidth: Auto

Conectaremos la laptop a Internet mediante conexión inalámbrica

**Link Information** **Connect** **Profiles**

Below is a list of available wireless networks. To search for more wireless networks, click the **Refresh** button. To view more information about a network, select the wireless network name. To connect to that network, click the **Connect** button below.

Wireless Network Name	CH	Signal
RicardoApaza	1	68%
RicardoApaza	1	97%
RicardoApaza	1	68%

**Site Information**

Wireless Mode: Infrastructure  
 Network Type: Mixed B/G/N  
 Radio Band: Auto  
 Security: Disable  
 MAC Address: 0009.7C.34.CC06

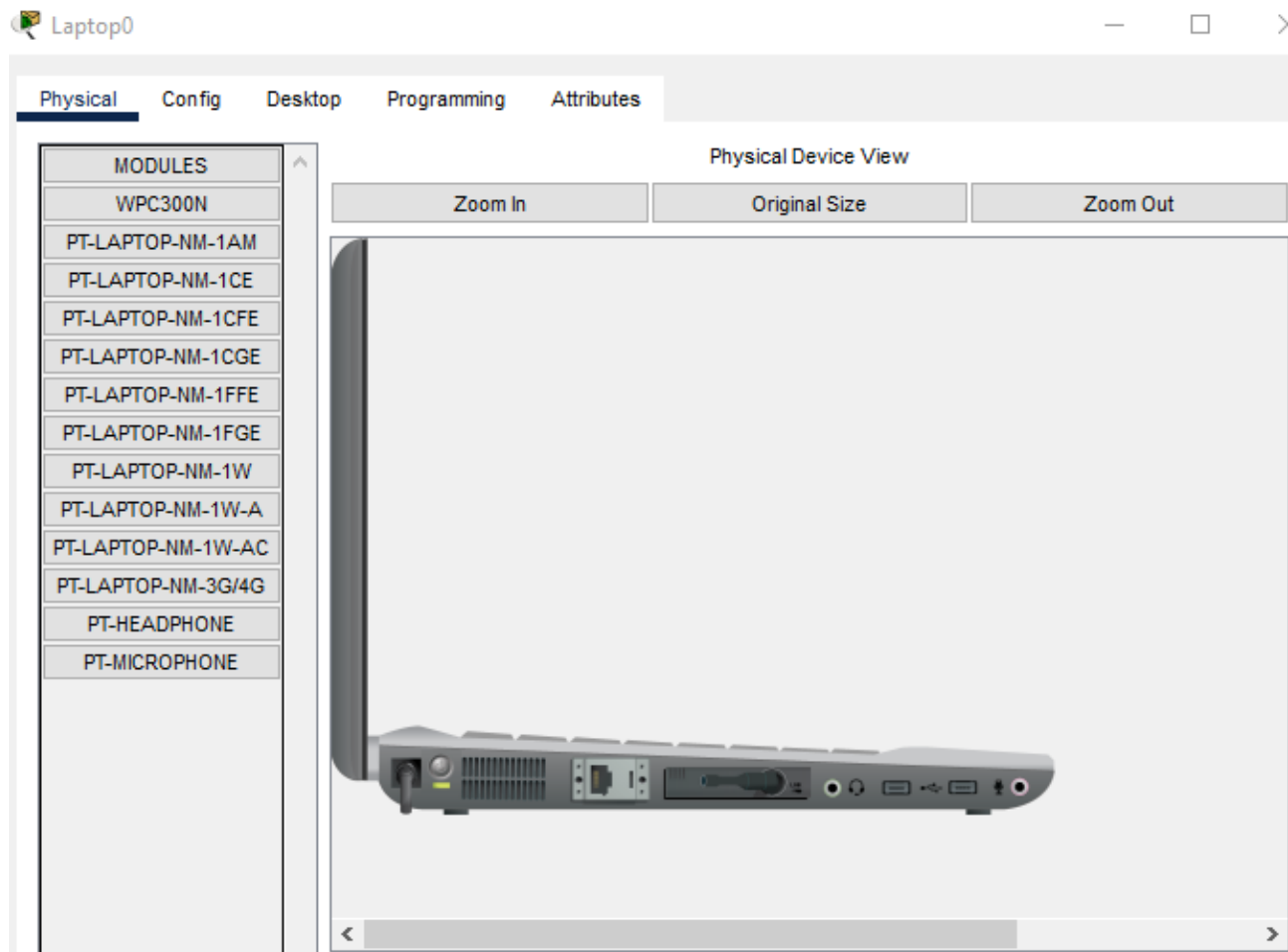
**Refresh** **Connect**

**2.4GHz**

**Adapter is Active**

**Wireless-N Notebook Adapter** **Wireless Network Monitor v1.0** **Model No. WPC300N**

Antes de hacer esta conexión, debemos hacer unos cambios en la parte física del portátil. Primer apagaremos la laptop e cambiaremos el módulo por defecto y pondremos el módulo WPC300N. Por último, volveremos a encender el portátil y conectarlo a internet.



Hacemos un “ipconfig /all” en el PC para verificar que recibe una dirección IPv4:

```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address. . . . .: 0007.EC1A.6D91
    Link-local IPv6 Address . . . . .: FE80::207:ECFF:FE1A:6D91
    IPv6 Address. . . . .: ::
    IPv4 Address. . . . .: 192.168.0.101
    Subnet Mask . . . . .: 255.255.255.0
    Default Gateway. . . . .: ::
                                192.168.0.1
    DHCP Servers. . . . .: 192.168.0.1
    DHCPv6 IAID. . . . .: 1770055465
    DHCPv6 Client DUID. . . . .: 00-01-00-01-6E-C0-7C-28-00-07-EC-1A-6D-91
    DNS Servers. . . . .: ::
                                208.67.220.220
```

Cambiaremos la configuración del DNS en el servidor Cisco.com

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

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

**DNS**

DNS Service ☒ On ☐ Off

Resource Records

Name  Type **A Record** ▼

Address

No.	Name	Type	Detail
0	Cisco.com	A Record	208.67.220.220

Configuramos el FastEthernet:

Physical **Config** Services Desktop Programming Attributes

**GLOBAL**

- Settings
- Algorithm Settings
- INTERFACE**
- FastEthernet0**

**FastEthernet0**

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

Subnet Mask

IPv6 Configuration

☒ Automatic

☐ Static

IPv6 Address

Link Local Address:

Ping de cisco.com en el PC

```
C:\>ping cisco.com

Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Reply from 208.67.220.220: bytes=32 time=12ms TTL=127
Reply from 208.67.220.220: bytes=32 time=11ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127

Ping statistics for 208.67.220.220:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 12ms, Average = 6ms
```

Ping de cisco.com en la laptop

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping cisco.com

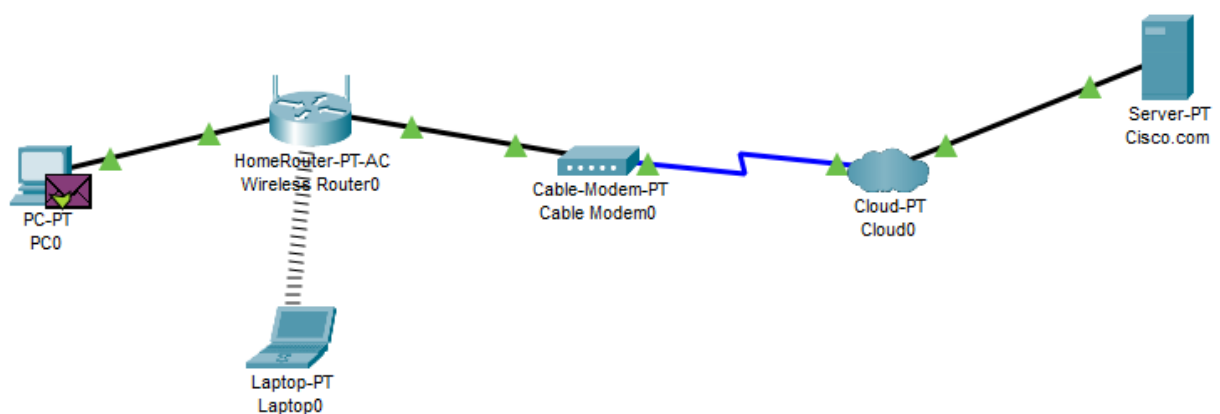
Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=9ms TTL=127
Reply from 208.67.220.220: bytes=32 time=38ms TTL=127
Reply from 208.67.220.220: bytes=32 time=45ms TTL=127
Reply from 208.67.220.220: bytes=32 time=26ms TTL=127

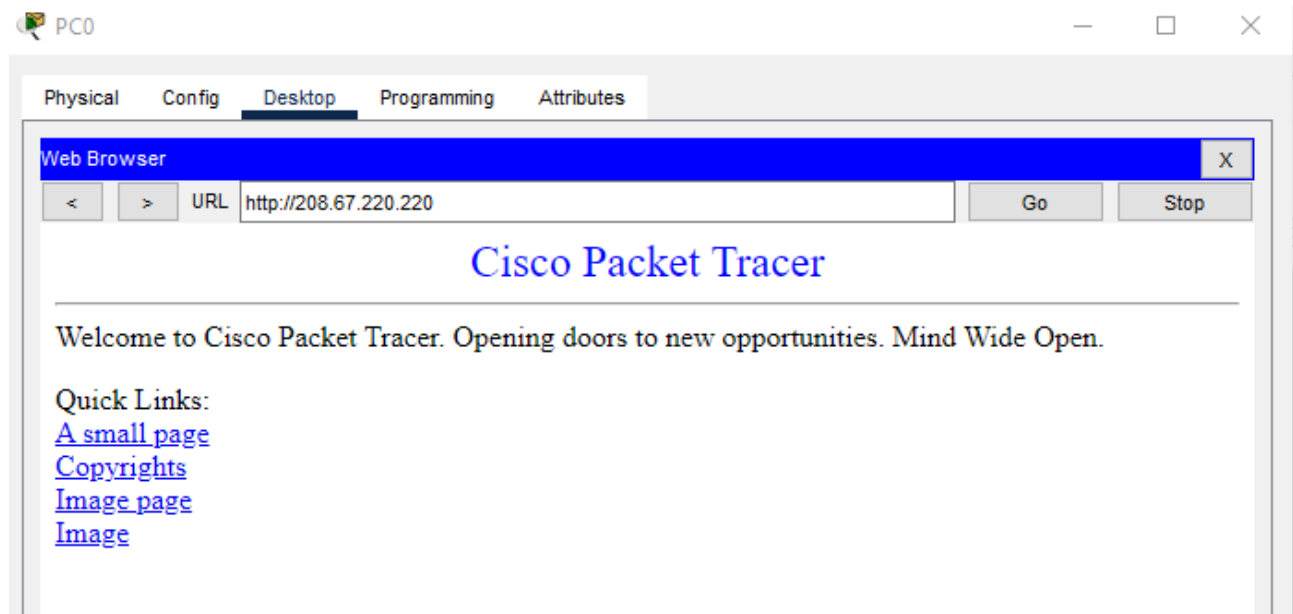
Ping statistics for 208.67.220.220:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 9ms, Maximum = 45ms, Average = 29ms

C:\>
```

Simulando el ping a Cisco.com desde el PC.



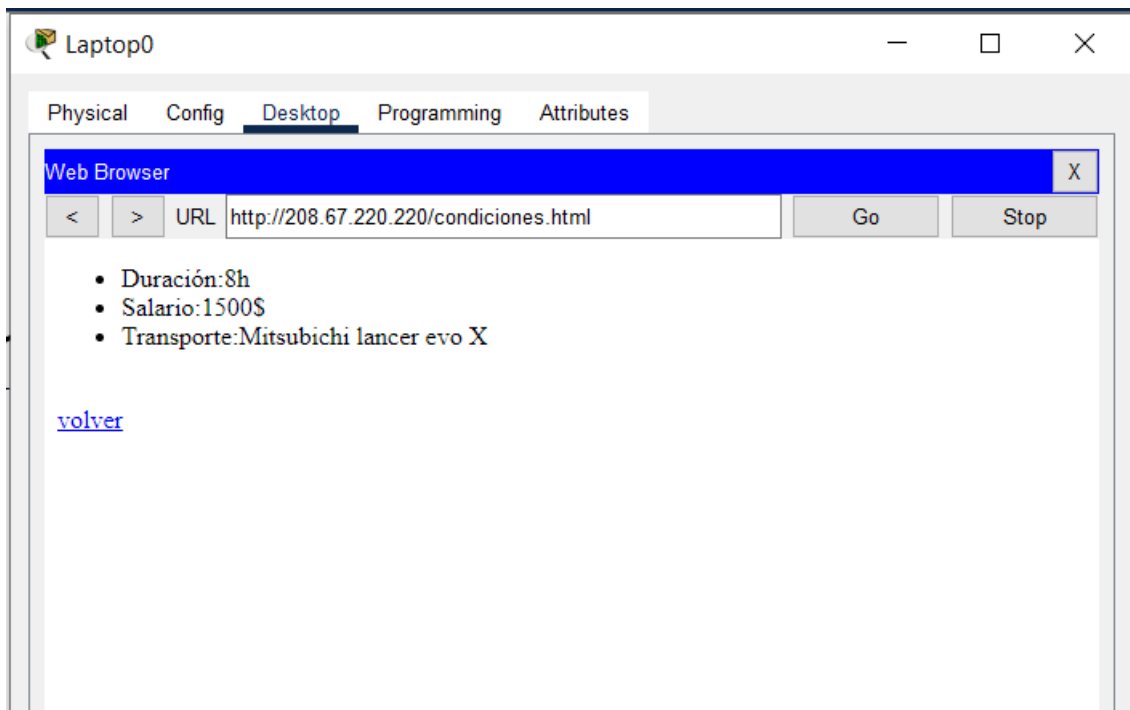
Muestra del index.php del servidor antes de configurarlo



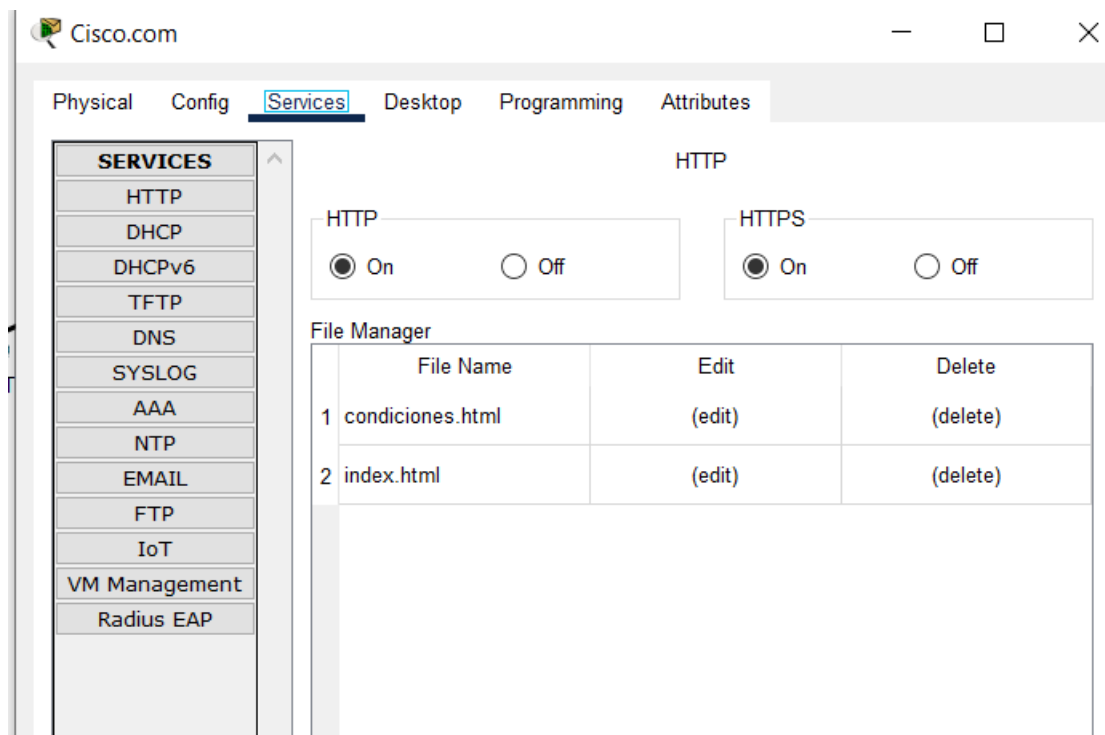
Visualizamos la página html que hemos creado en nuestro servidor



Enlace de condiciones y con un enlace de volver a index.php



Archivos que guardamos en nuestro servidor:



## Código fuente de index.php

```
<> index.html X <> condiciones.html
C: > Users > panch > OneDrive > Escritorio > ejercicioRedes > <> index.html > html > body > p > a
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Presentación</title>
5  </head>
6
7  <body>
8      <h1>
9          Ricardo Apaza Cueva
10     </h1>
11     
12     <p>
13         Desarrollador web con experiencia en javascript y en PHP
14     </p>
15     <br>
16     <p>
17         <a href="condiciones.html">condiciones</a>
18     </p>
19 </body>
20
21 </html>
```



## Código fuente de condiciones.php

```
index.html  condiciones.html X
C: > Users > panch > OneDrive > Escritorio > ejercicioRedes > condiciones.html > html >
1  <!DOCTYPE html>
2  <html>
3  <head>
4  </head>
5
6  <body>
7      <ul>
8          <li>Duración:8h</li>
9          <li>Salario:1500$</li>
10         <li>Transporte:Mitsubichi lancer evo X</li>
11     </ul>
12     <br>
13     <a href="index.html">
14         volver
15     </a>
16 </body>
17
18 </html>
```