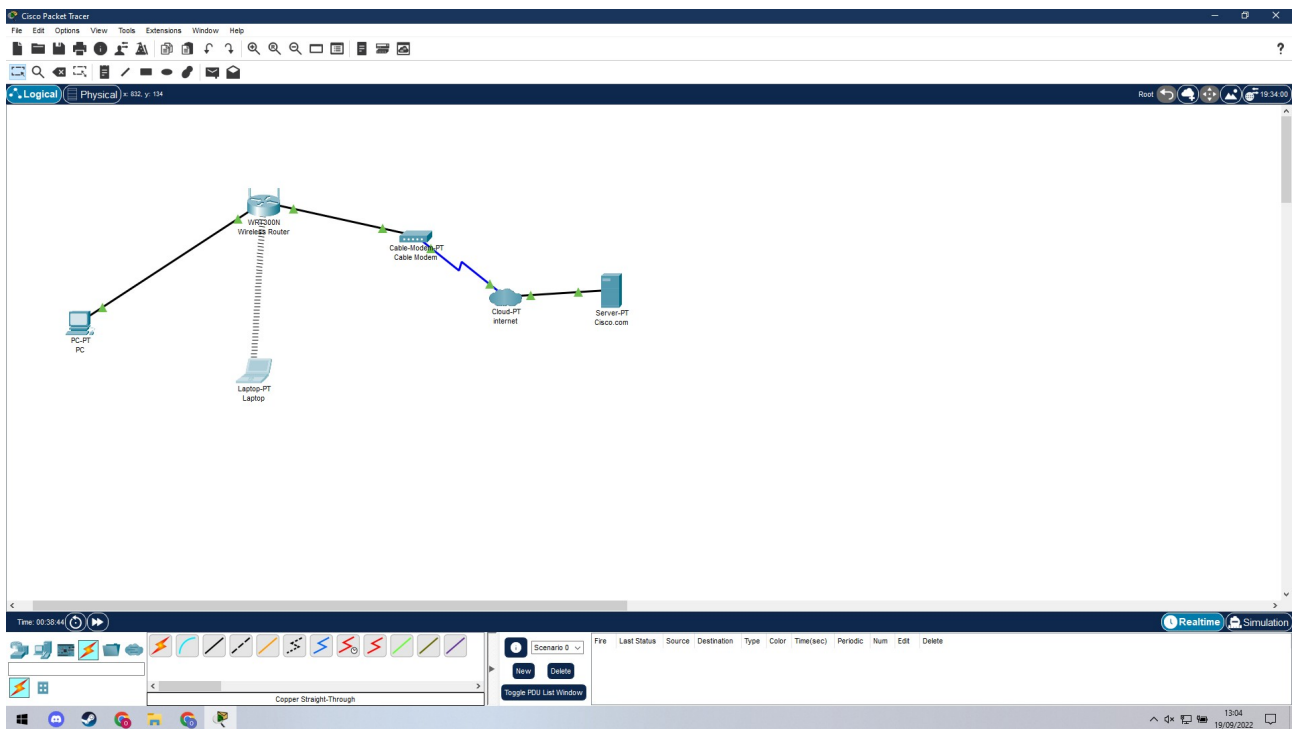


Red doméstica y servidor web con Cisco Packet Tracer.

Omar Razzouki Rodróiguez.
Desarrollo de aplicaciones en entorno servidor.
Curso 22/23

1. Captura de mi tipología de red.



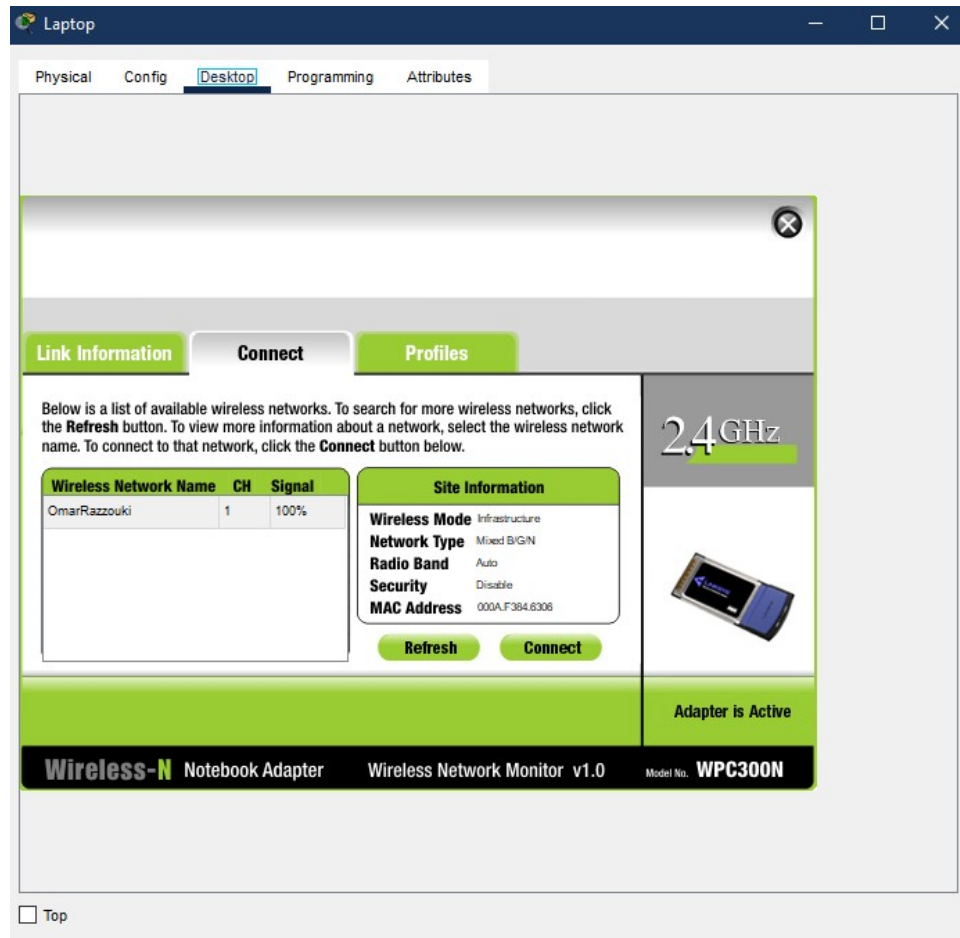
2. Captura de mi pestaña de configuración wireless del router.

The screenshot shows the **Wireless Router** configuration window, specifically the **GUI** tab. The window title is **Wireless Router**. The main heading is **Wireless-N Broadband Router**, with the **Firmware Version: v0.93.3** displayed. The **Wireless** tab is selected, showing the **Basic Wireless Settings** sub-tab. The settings are as follows:

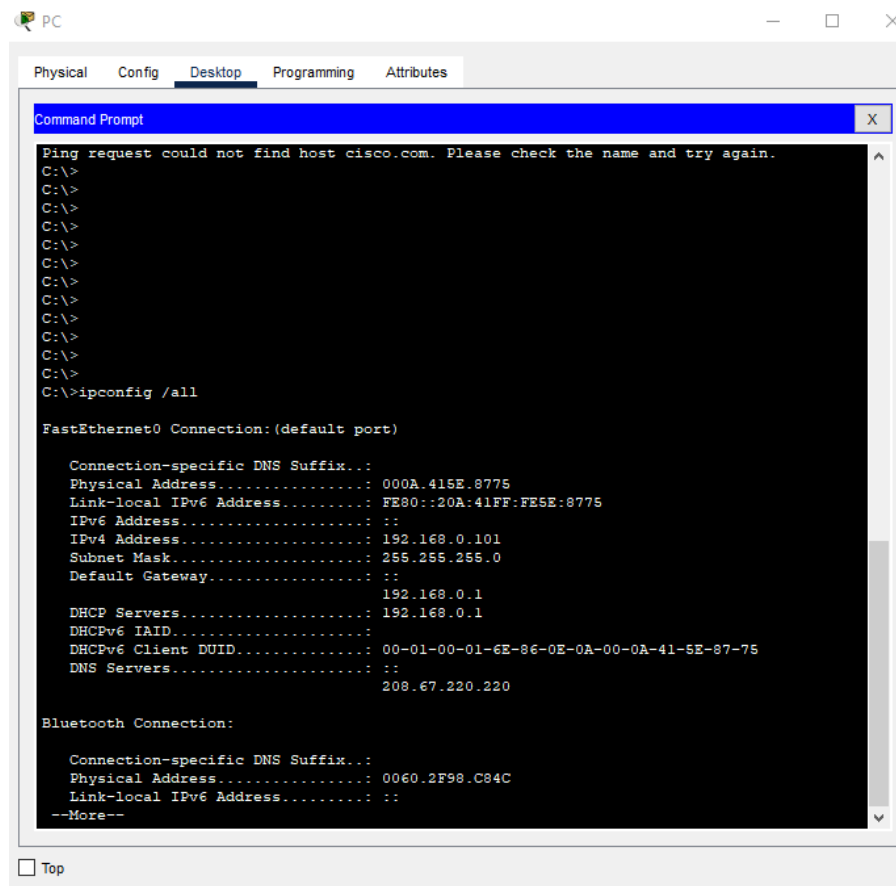
Setting	Value
Network Mode:	Mixed
Network Name (SSID):	OmarRazzouki
Radio Band:	Auto
Wide Channel:	Auto
Standard Channel:	1 - 2.412GHz
SSID Broadcast:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled

A **Help...** button is visible on the right side of the settings area. The bottom left corner has a **Top** button.

3. Mi captura del portátil conectado al wifi.



4. Salida del comando ipconfig /all del PC.



4. Captura del servicio DNS configurado en el servidor.

The screenshot shows the Cisco configuration interface with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS (highlighted), SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'DNS' and contains the following configuration:

- DNS Service:** ☒ On ☐ Off
- Resource Records:**
 - Name:**
 - Type:** A Record (dropdown)
 - Address:**
 - Buttons: Add, Save, Remove
- Table:**

No.	Name	Type	Detail
0	omar	A Record	208.67.220.220
- DNS Cache:**

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

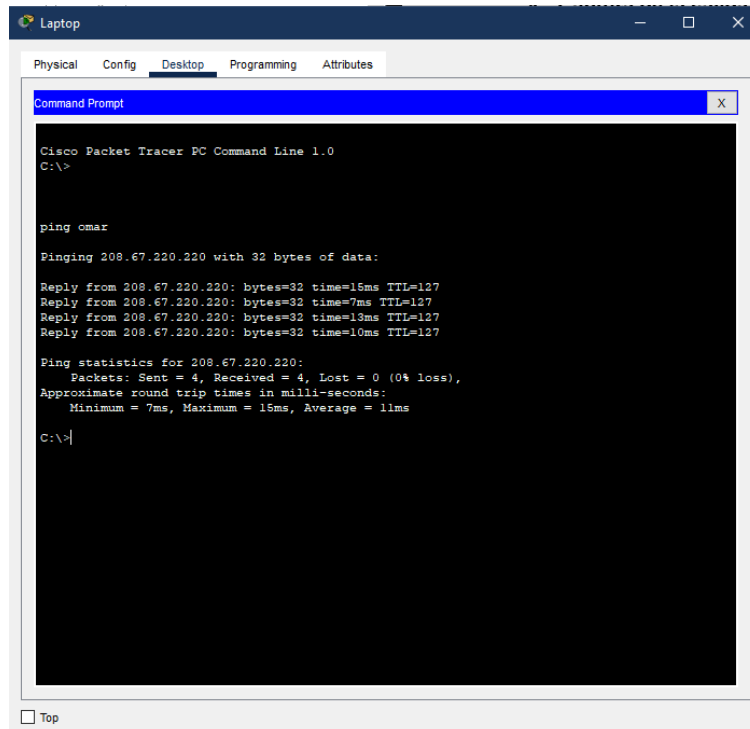
6. Captura de la conexión de FastEthernet0.

The screenshot shows the Cisco configuration interface with the 'Config' tab selected. On the left, a 'GLOBAL' list includes Settings and Algorithm Settings. Below it, an 'INTERFACE' list includes FastEthernet0 (highlighted). The main area is titled 'FastEthernet0' and contains the following configuration:

- Port Status:** ☒ On
- Bandwidth:** ☐ 100 Mbps ☒ 10 Mbps ☒ Auto
- Duplex:** ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address:** 0002.165B.79E3
- IP Configuration:**
 - ☐ DHCP
 - ☒ Static
 - IPv4 Address:** 208.67.220.220
 - Subnet Mask:** 255.255.255.0
- IPv6 Configuration:**
 - ☐ Automatic
 - ☒ Static
 - IPv6 Address:**
 - Link Local Address:** FE80::202:16FF:FE5B:79E3

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

7. Captura de la salida del comando ping cisco.com desde el PC o portátil. Realicé esta operación 2 veces para demostrar que funciona desde los 2 pero en vez de cisco.com le llame Omar.



```
Cisco Packet Tracer PC Command Line 1.0
C:\>

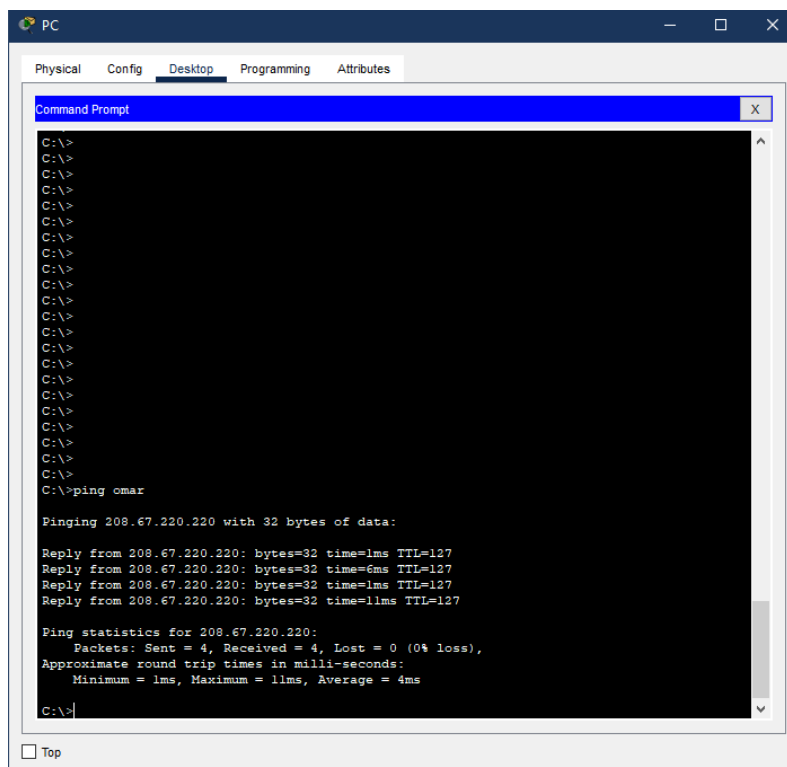
ping omar

Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=15ms TTL=127
Reply from 208.67.220.220: bytes=32 time=7ms TTL=127
Reply from 208.67.220.220: bytes=32 time=13ms TTL=127
Reply from 208.67.220.220: bytes=32 time=10ms 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 = 7ms, Maximum = 15ms, Average = 11ms

C:\>
```



```
PC

Physical  Config  Desktop  Programming  Attributes

Command Prompt

C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping omar

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=6ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Reply from 208.67.220.220: bytes=32 time=11ms 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 = 11ms, Average = 4ms

C:\>
```

8. Captura de la simulación, de loa paquetes ICPM en el recuadro Event List.

Simulation Panel			
Event List			
Vis.	Time(sec)	Last Device	Type
	15.009	--	PC
	15.010	PC	Wireless Router
	15.011	Wireless Router	Cable Modem
	15.012	Cable Modem	Internet
	15.013	Internet	Cisco.com
	15.014	Cisco.com	Internet
	15.015	Internet	Cable Modem
	15.016	Cable Modem	Wireless Router
	15.017	Wireless Router	PC
	16.018	--	PC
	16.019	PC	Wireless Router
	16.020	Wireless Router	Cable Modem
	16.020	--	Wireless Router
	16.021	Wireless Router	Cable Modem
	16.021	Cable Modem	Internet
	16.022	Cable Modem	Internet
	16.022	Internet	Cisco.com
	16.023	Internet	Cisco.com
	16.023	Cisco.com	Internet
	16.024	Cisco.com	Internet
	16.024	Internet	Cable Modem
	16.025	Internet	Cable Modem
	16.025	Cable Modem	Wireless Router
	16.026	Cable Modem	Wireless Router
	16.026	Wireless Router	PC
	16.027	Wireless Router	PC
	17.027	--	PC
	17.028	PC	Wireless Router
	17.029	Wireless Router	Cable Modem
	17.030	Cable Modem	Internet
	17.031	Internet	Cisco.com
	17.032	Cisco.com	Internet
	17.033	Internet	Cable Modem
	17.034	Cable Modem	Wireless Router
	17.035	Wireless Router	PC
	18.035	--	PC
	18.036	PC	Wireless Router
	18.037	Wireless Router	Cable Modem
	18.038	Cable Modem	Internet
	18.038	Internet	Cisco.com
	18.040	Cisco.com	Internet
Reset Simulation		<input checked="" type="checkbox"/> Constant Delay	
<div> <div>Play Controls</div> <div> <div>⏮</div> <div>▶</div> <div>⏭</div> </div> </div>			
Event List Filters - Visible Events			

18.038	Cable Modem	internet	ICMP
18.039	internet	Cisco.com	ICMP
18.040	Cisco.com	internet	ICMP
18.041	internet	Cable Modem	ICMP
18.042	Cable Modem	Wireless Router	ICMP
18.043	Wireless Router	PC	ICMP

Reset Simulation ☒ Constant Delay

Captured to: 2583.936 s

9/10/11. Capturas de las páginas realizadas y abiertas desde el Web Browser del portatil.

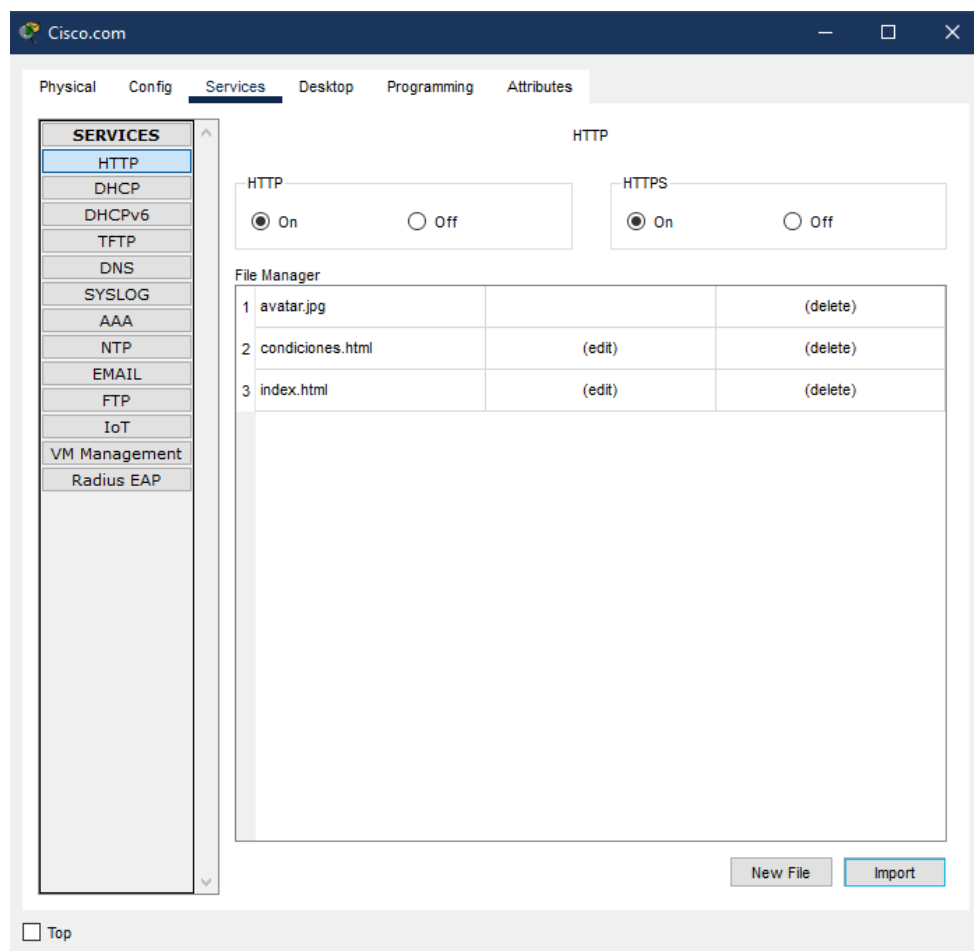
Código de la página condiciones.html.

```
index.html | condiciones.html X
condiciones.html > html > body > a
1  <html>
2    <body>
3      <h1>Condiciones</h1>
4      <ul>
5        <li>Trabajo de larga duración.</li>
6        <li>Posibilidad de trabajo a distancia.</li>
7        <li>Buen sueldo.</li>
8        <li>Vacaciones remuneradas.</li>
9        <li>Proyecto ambicioso</li>
10     </ul>
11     <a href="index.html">Inicio</a>
12   </body>
13 </html>
```

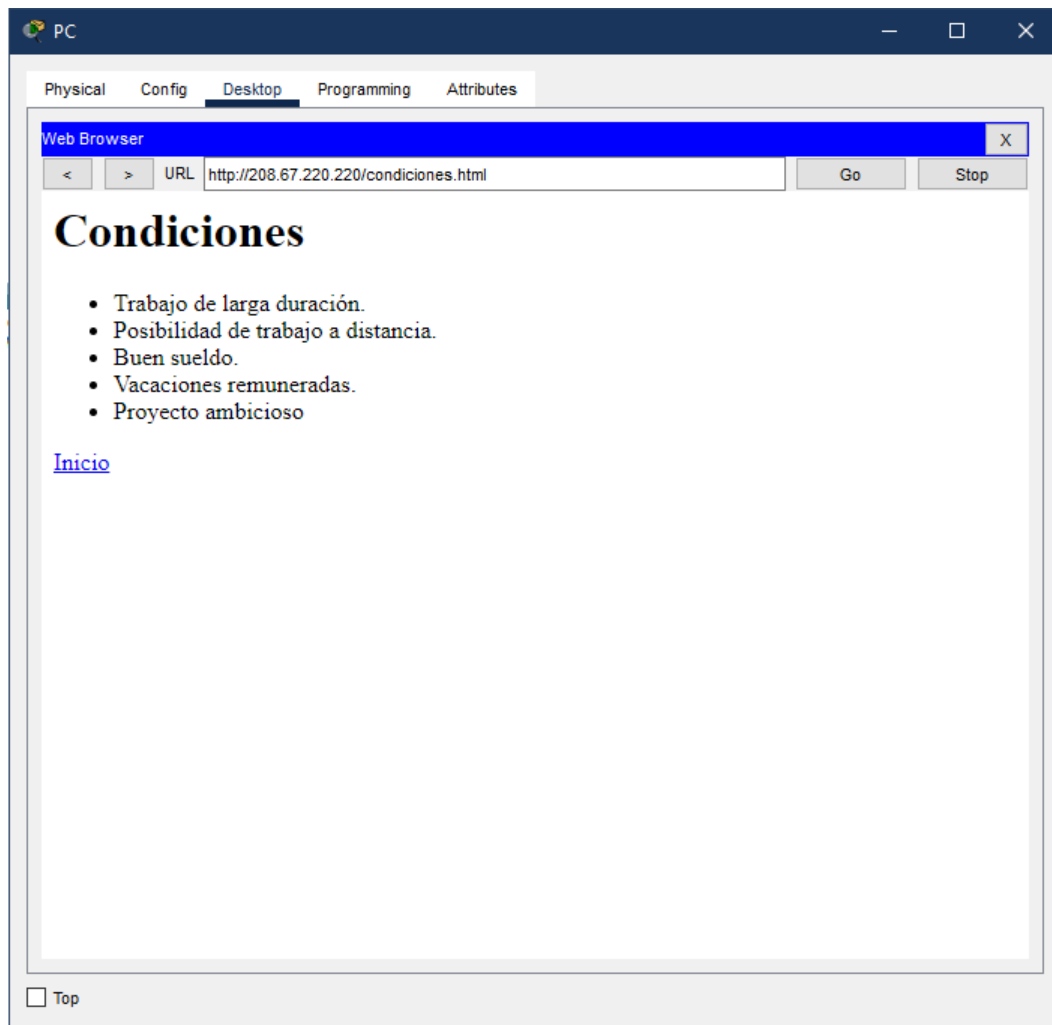
Código de la página index.html.

```
index.html x condiciones.html
index.html > html > body > a
1  <html>
2  <body>
3      <h1>Omar Razzouki Rodriguez</h1>
4      
5      <p>Bajo mi punto de vista, mis mayores cualidades aplicables a la programación son
6          el buen trabajo en equipo, el buen ambiente que puedo aportar a mi entorno y
7          el esfuerzo que aplico a una tarea cuando lo requiere.
8      </p>
9      <a href="condiciones.html">Condiciones</a>
10 </body>
11 </html>
```

Captura del servidor web modificado.



Página de condiciones.html desde cisco.



Página de index.html desde cisco.

