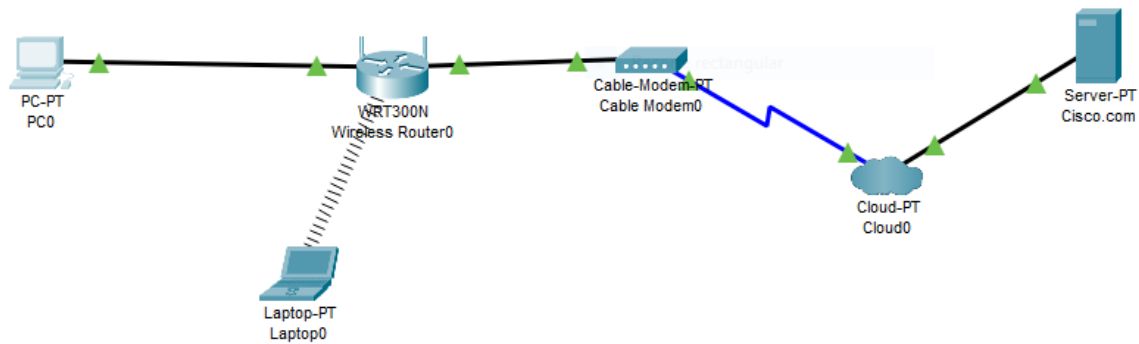


Red doméstica y servidor web con Cisco Packet Tracer

Desarrollo de aplicaciones web 2º

Angel Andrade Bergantiños

1. Captura de la topología de red



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

Wireless Router0

Physical **Config** GUI Attributes

GLOBAL

- Settings
- Algorithm Settings

INTERFACE

- Internet
- LAN
- Wireless**

Wireless Settings

SSID: AngelAndrade

2.4 GHz Channel: 1 - 2.412GHz

Coverage Range (meters): 250,00

Authentication

☒ Disabled ☐ WEP ☐ WPA-PSK ☐ WPA2-PSK ☐ WPA ☐ WPA2

WEP Key:

PSK Pass Phrase:

RADIUS Server Settings

IP Address:

Shared Secret:

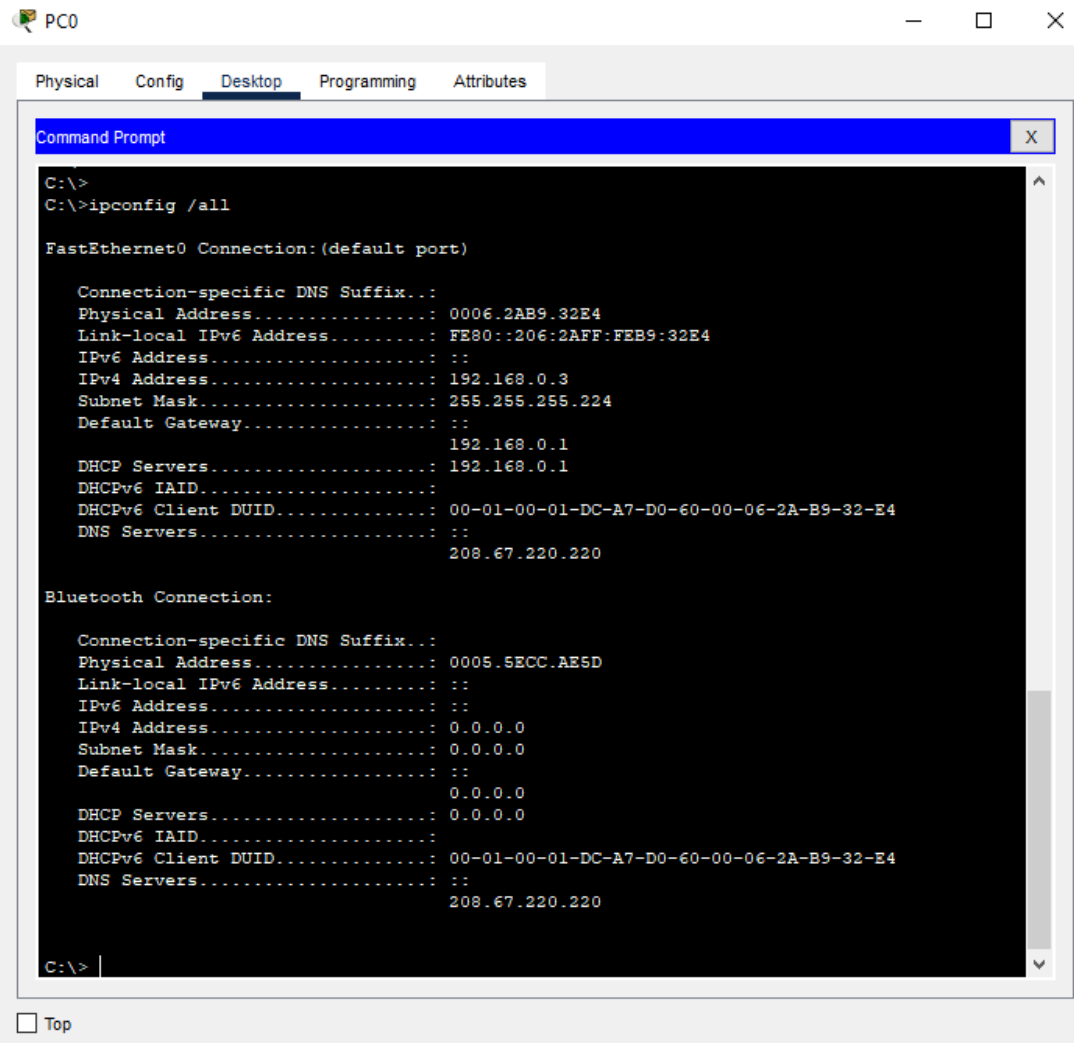
Encryption Type: Disabled

☐ Top

3. Captura de PC Wireless > Connect del portátil, tras conectarse a la red Wi-Fi.



4. Captura de la salida del comando ipconfig /all en el PC, tras conectarse.



The screenshot shows a PC window titled "PC0" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a "Command Prompt" window. The command prompt shows the execution of the command `ipconfig /all`, which displays network configuration details for both the FastEthernet0 and Bluetooth connections. The output includes physical addresses, IPv4 and IPv6 addresses, subnet masks, default gateways, and DHCP server information.

```
C:\>
C:\>ipconfig /all

FastEthernet0 Connection: (default port)

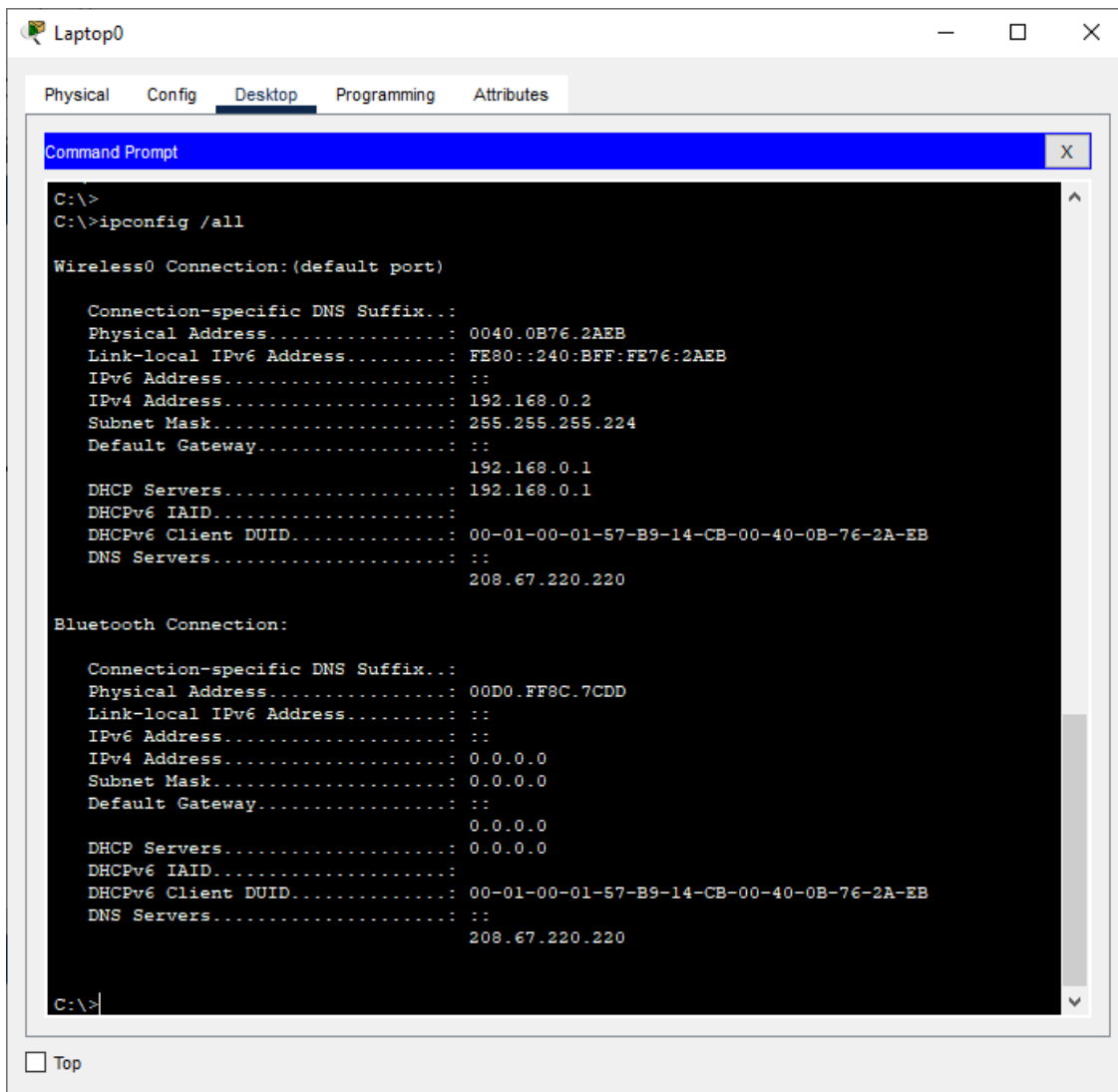
    Connection-specific DNS Suffix...: 
    Physical Address...                : 0006.2AB9.32E4
    Link-local IPv6 Address...         : FE80::206:2AFF:FEB9:32E4
    IPv6 Address...                    : ::
    IPv4 Address...                    : 192.168.0.3
    Subnet Mask...                     : 255.255.255.224
    Default Gateway...                 : ::
                                         192.168.0.1
    DHCP Servers...                    : 192.168.0.1
    DHCPv6 IAID...                     : 
    DHCPv6 Client DUID...              : 00-01-00-01-DC-A7-D0-60-00-06-2A-B9-32-E4
    DNS Servers...                     : ::
                                         208.67.220.220

Bluetooth Connection:

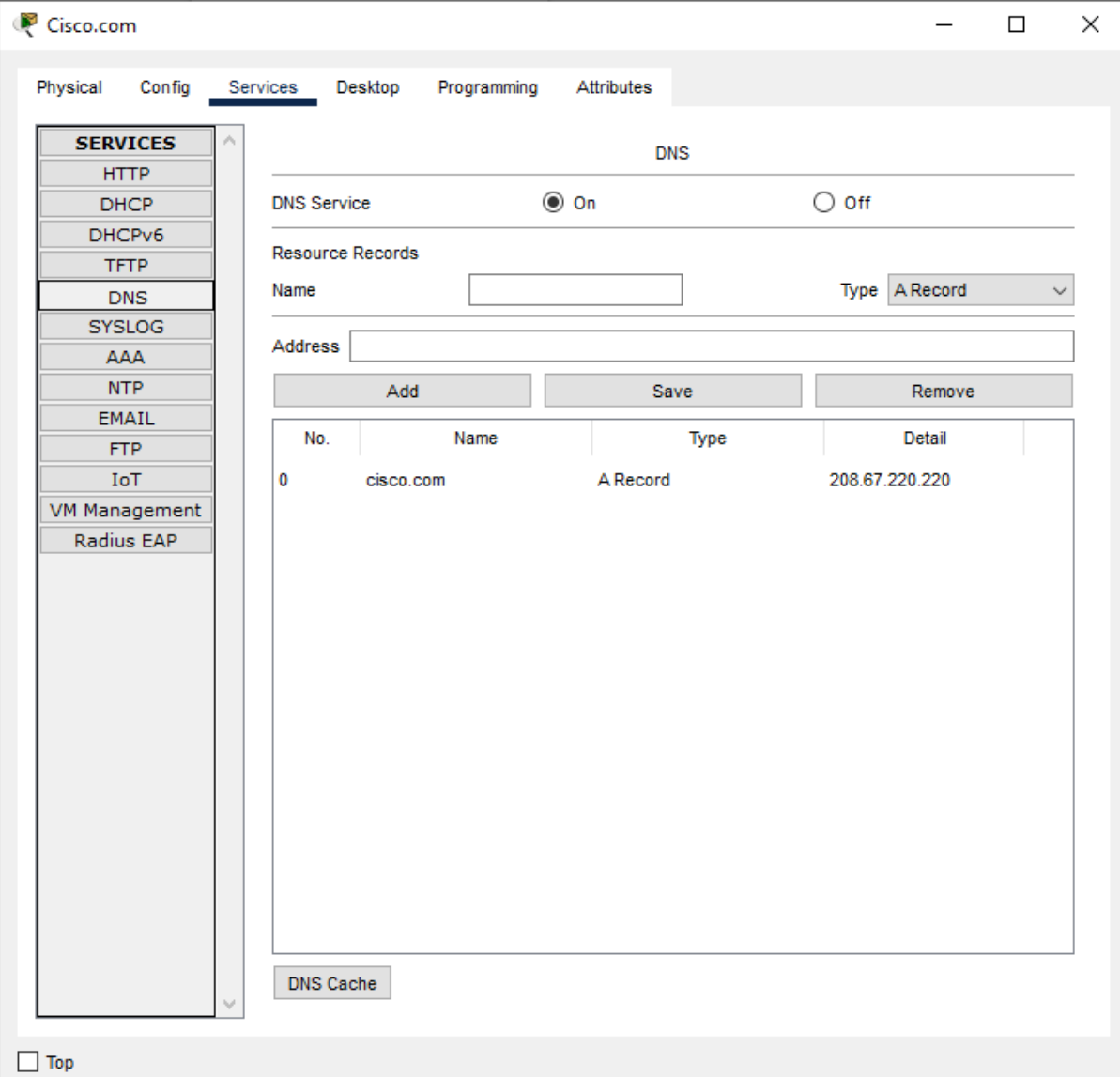
    Connection-specific DNS Suffix...: 
    Physical Address...                : 0005.5ECC.AE5D
    Link-local IPv6 Address...         : ::
    IPv6 Address...                    : ::
    IPv4 Address...                    : 0.0.0.0
    Subnet Mask...                     : 0.0.0.0
    Default Gateway...                 : ::
                                         0.0.0.0
    DHCP Servers...                    : 0.0.0.0
    DHCPv6 IAID...                     : 
    DHCPv6 Client DUID...              : 00-01-00-01-DC-A7-D0-60-00-06-2A-B9-32-E4
    DNS Servers...                     : ::
                                         208.67.220.220

C:\>
```

☐ Top



5. Captura de Services > DNS configurado en el servidor cisco.com.



The screenshot shows the Cisco.com configuration interface for DNS services. The left sidebar lists various services, with 'DNS' selected. The main area is titled 'DNS' and contains the following configuration options:

- DNS Service:** A radio button interface with 'On' selected and 'Off' unselected.
- Resource Records:** A section for adding and managing DNS records.
- Name:** A text input field.
- Type:** A dropdown menu currently set to 'A Record'.
- Address:** A text input field.
- Buttons:** 'Add', 'Save', and 'Remove' buttons are located below the input fields.
- Table:** A table displaying the configured resource records.
- DNS Cache:** A button located at the bottom of the main configuration area.

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

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

6. Captura de Config > Interface > FastEthernet0 configurado en el servidor.

Cisco.com

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 0005.5E11.C732

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 208.67.220.220

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

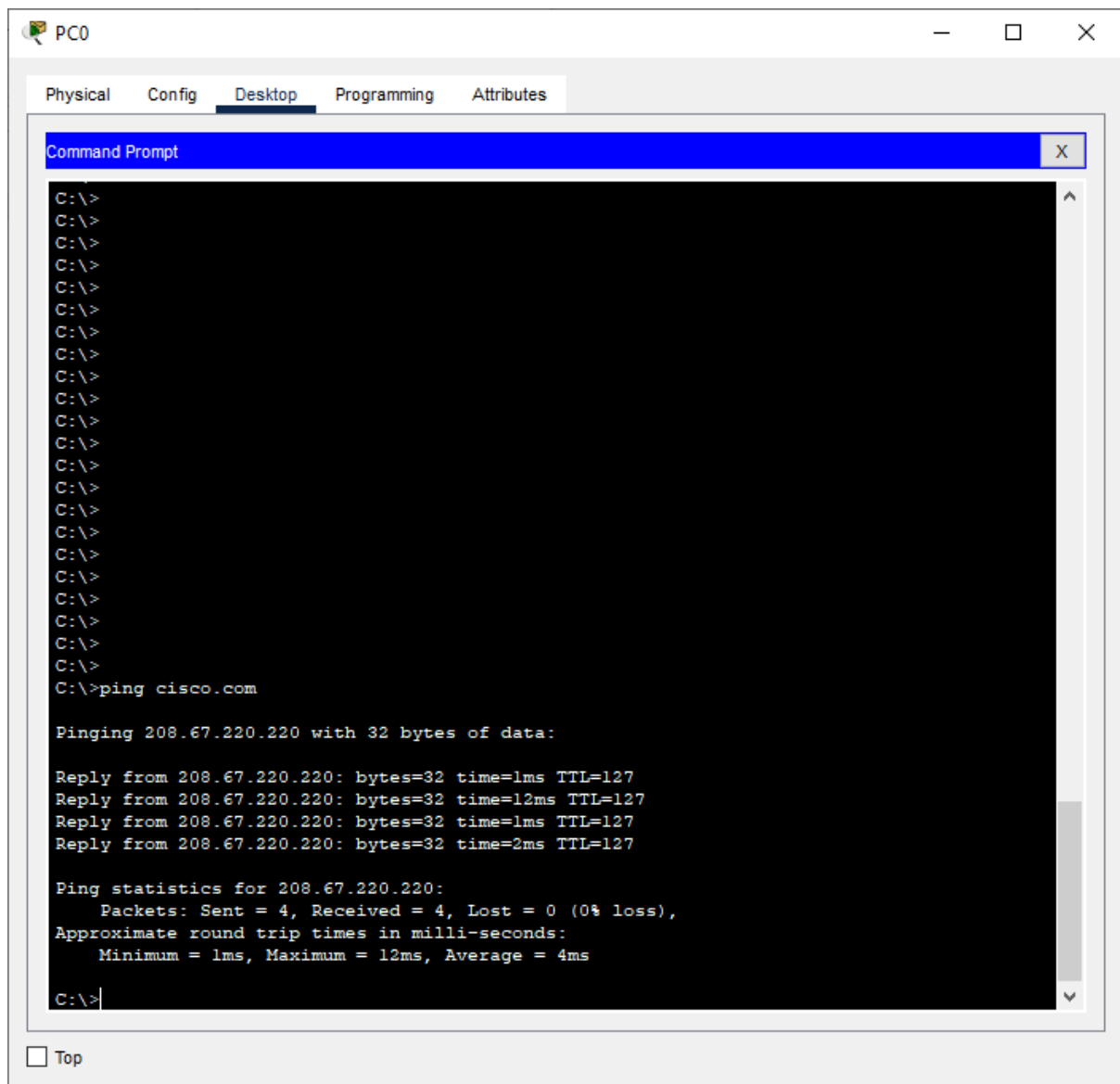
☒ Static

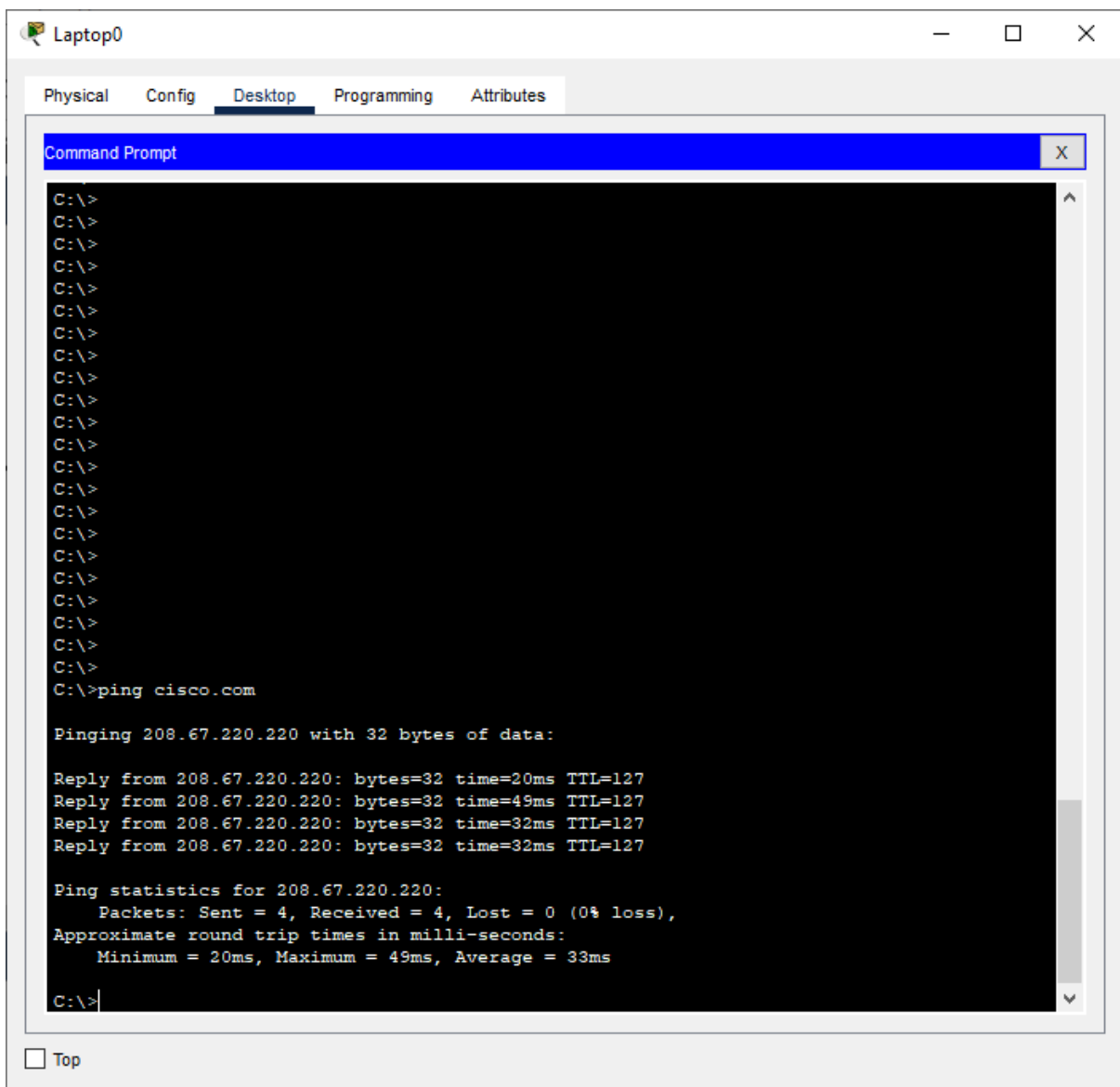
IPv6 Address

Link Local Address: FE80::205:5EFF:FE11:C732

☐ Top

7. Captura de la salida del comando ping cisco.com desde el PC y el portátil.





8. Barra azul inferior derecha > Simulation. Repite el ping desde un dispositivo y pulsa el botón de play. Captura de paquetes ICMP en el recuadro Event List.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	
	0.012	Wireless Router0	Cable Modem0	ICMP	
	0.013	Cable Modem0	Cloud0	ICMP	
	0.014	Cloud0	Cisco.com	ICMP	
	0.015	Cisco.com	Cloud0	ICMP	
	0.016	Cloud0	Cable Modem0	ICMP	
	0.017	Cable Modem0	Wireless Router0	ICMP	
	0.018	Wireless Router0	PC0	ICMP	
	1.018	--	PC0	ICMP	
	1.019	PC0	Wireless Router0	ICMP	
	1.020	Wireless Router0	Cable Modem0	ICMP	
	1.021	Cable Modem0	Cloud0	ICMP	
	1.022	Cloud0	Cisco.com	ICMP	
	1.023	Cisco.com	Cloud0	ICMP	
	1.024	Cloud0	Cable Modem0	ICMP	
	1.025	Cable Modem0	Wireless Router0	ICMP	
	1.026	Wireless Router0	PC0	ICMP	
	1.999	--	Wireless Router0	STP	
	2.000	Wireless Router0	PC0	STP	
	2.029	--	PC0	ICMP	
	2.030	PC0	Wireless Router0	ICMP	
	2.031	Wireless Router0	Cable Modem0	ICMP	

Reset Simulation

☒ Constant Delay

Captured to:
7.613 s

Play Controls

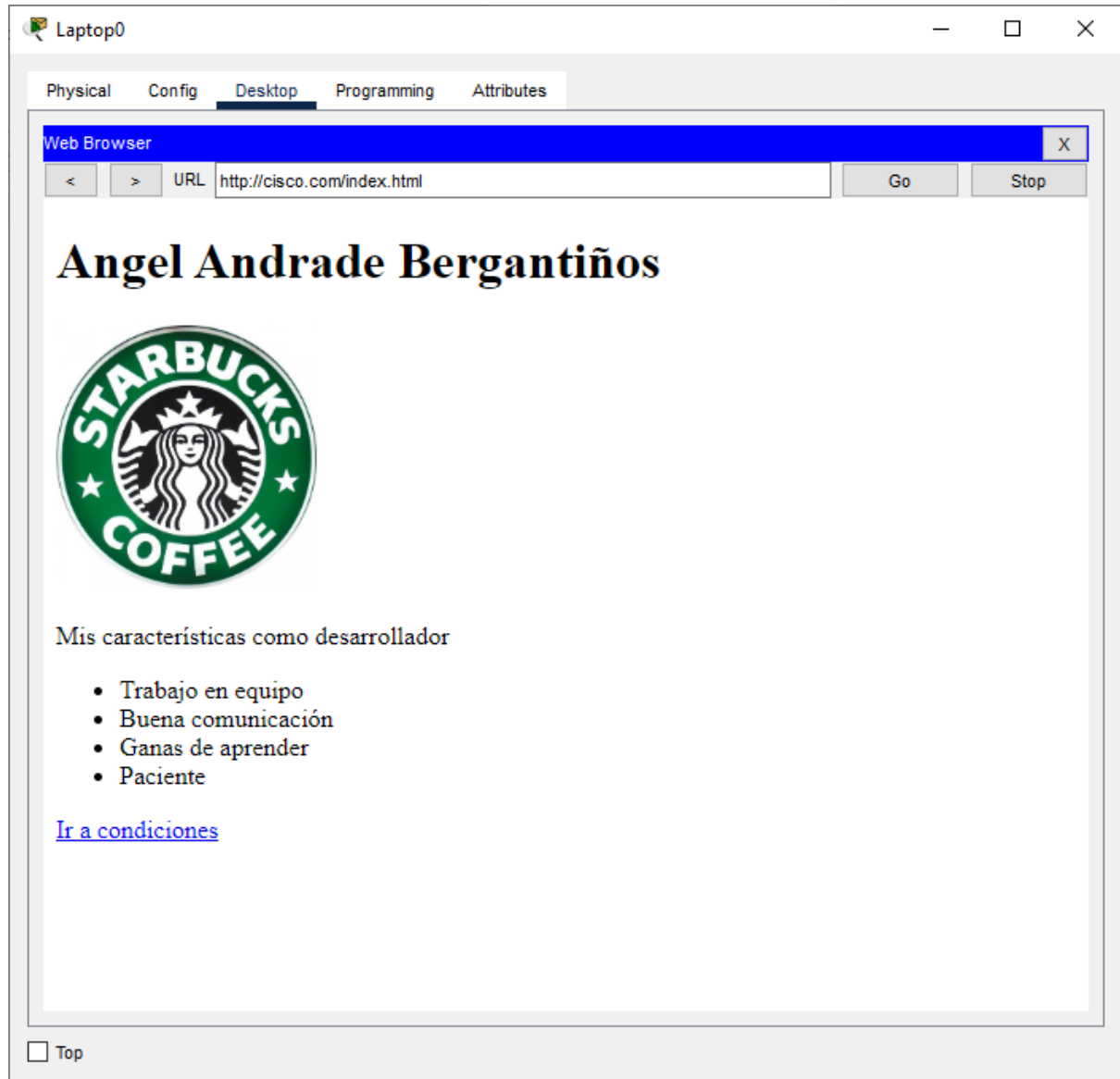
Event List Filters - Visible Events

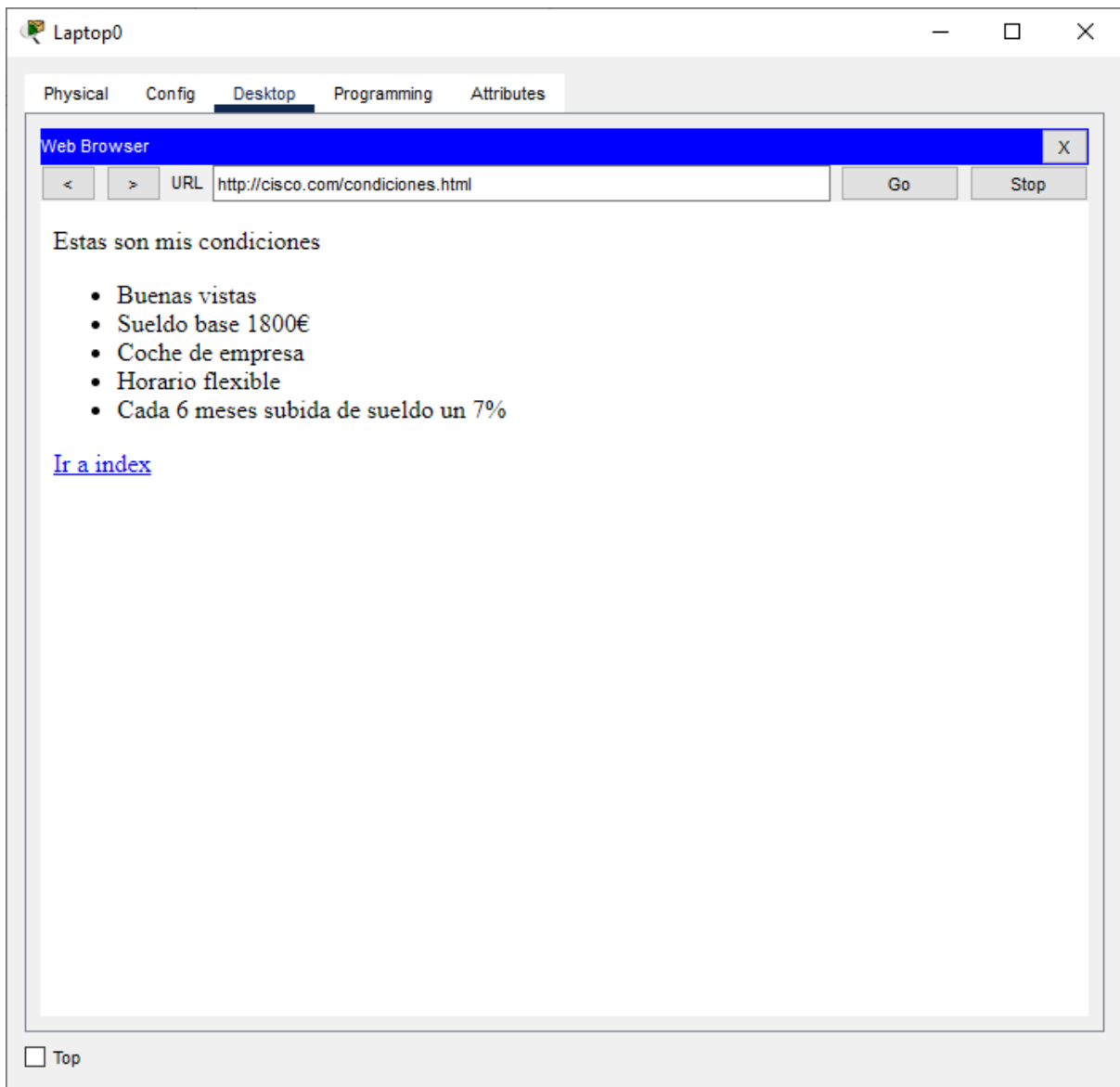
ACL Filter, Bluetooth, CAPWAP, CDP, DHCPv6, DTP, EAPOL, EIGRPv6, FTP, H.323, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NTP, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters

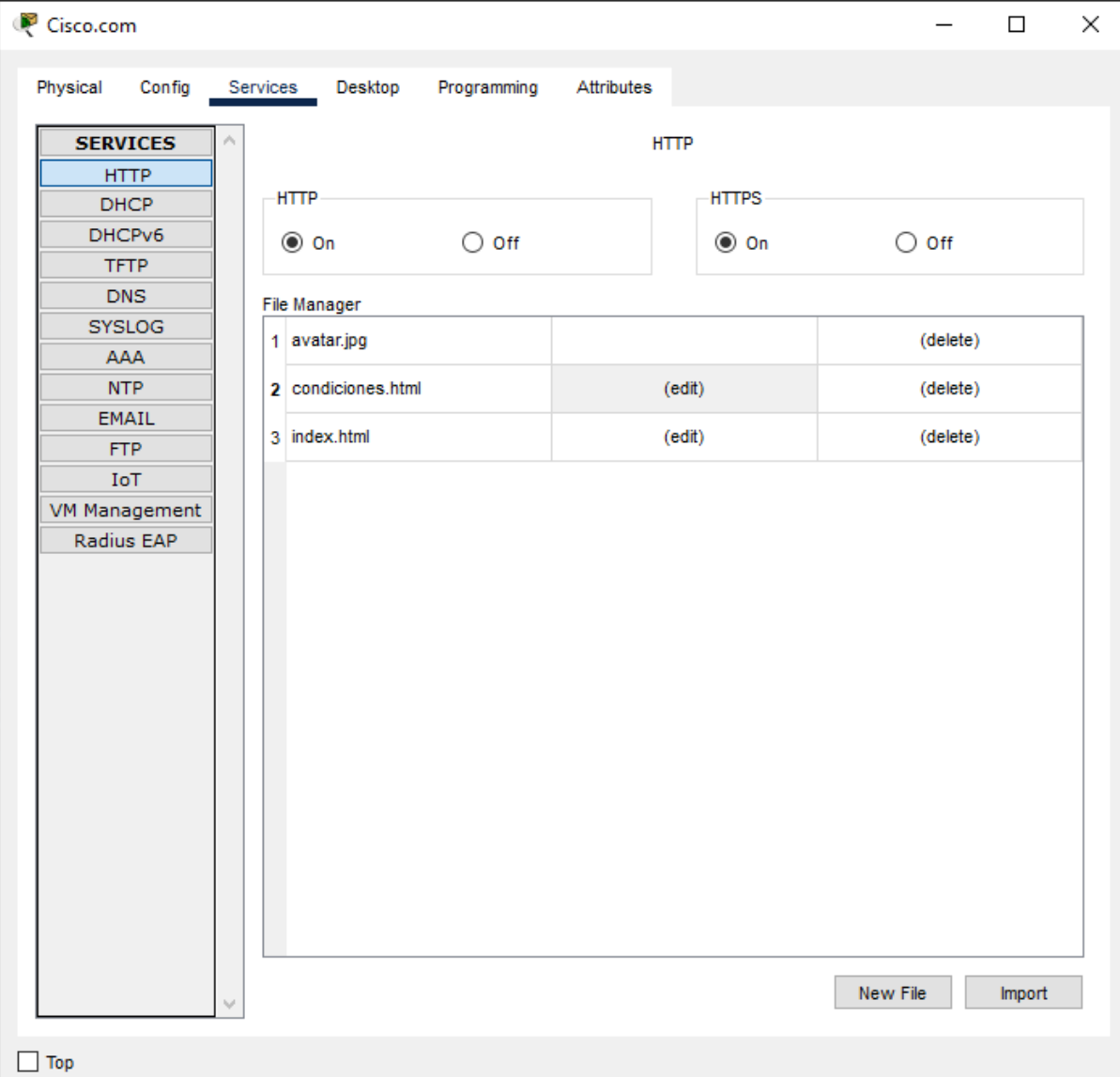
Show All/None

- Ej 4





9. Captura de Services > HTTP en tu servidor web (como arriba)



The screenshot shows the Cisco configuration interface with the **Services** tab selected. The left sidebar lists various services, with **HTTP** highlighted. The main area shows the configuration for **HTTP** and **HTTPS** services, both set to **On**. Below this is a **File Manager** table listing files and their actions.

Services Configuration:

- HTTP:** ☒ On ☐ Off
- HTTPS:** ☒ On ☐ Off

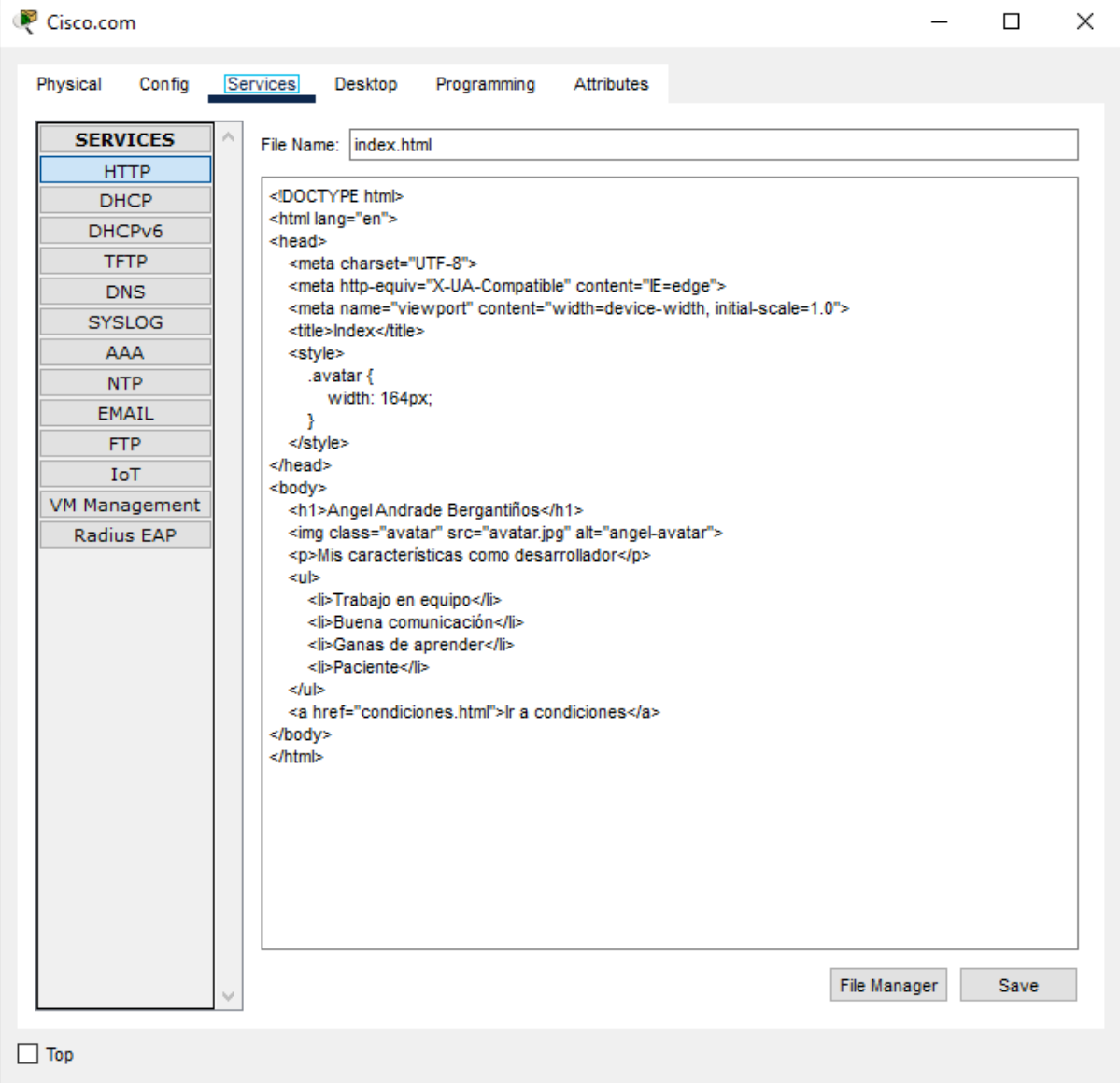
File Manager:

1	avatar.jpg	(delete)
2	condiciones.html	(edit) (delete)
3	index.html	(edit) (delete)

Buttons: **New File** **Import**

☐ Top

10. Captura de código fuente de las páginas index.html y condiciones.html



The screenshot shows the Cisco configuration interface with the 'Services' tab selected. On the left, a list of services includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The 'HTTP' service is highlighted. The main area displays the source code for 'index.html'.

File Name: index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index</title>
  <style>
    .avatar {
      width: 164px;
    }
  </style>
</head>
<body>
  <h1>Angel Andrade Bergantiños</h1>
  
  <p>Mis características como desarrollador</p>
  <ul>
    <li>Trabajo en equipo</li>
    <li>Buena comunicación</li>
    <li>Ganas de aprender</li>
    <li>Paciente</li>
  </ul>
  <a href="condiciones.html">Ir a condiciones</a>
</body>
</html>
```

File Manager Save

☐ Top

Cisco.com

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

File Name: condiciones.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Condiciones</title>
</head>
<body>
  <p>Estas son mis condiciones</p>
  <ul>
    <li>Buenas vistas</li>
    <li>Sueldo base 1800€</li>
    <li>Coche de empresa</li>
    <li>Horario flexible</li>
    <li>Cada 6 meses subida de sueldo un 7%</li>
  </ul>
  <a href="index.html">Ir a index</a>
</body>
</html>
```

File Manager

Save

☐ Top

11. Captura de ambas páginas vistas desde el Web Browser del portátil.

