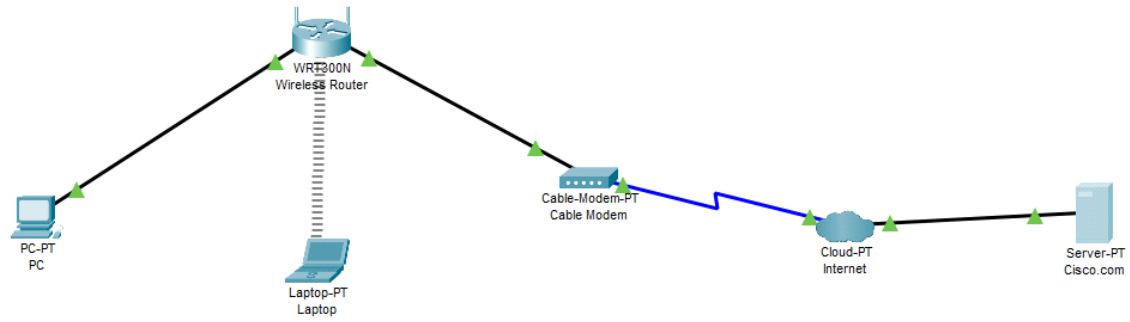


Red doméstica y servidor web con Cisco Packet Tracer

Carlos Aguiar Lambea

2º DAW

1.Topología de la red



2. Configuración Wireless

Wireless Router

Physical Config GUI Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Internet

LAN

Wireless

Wireless Settings

SSID

CarlosAguiar

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

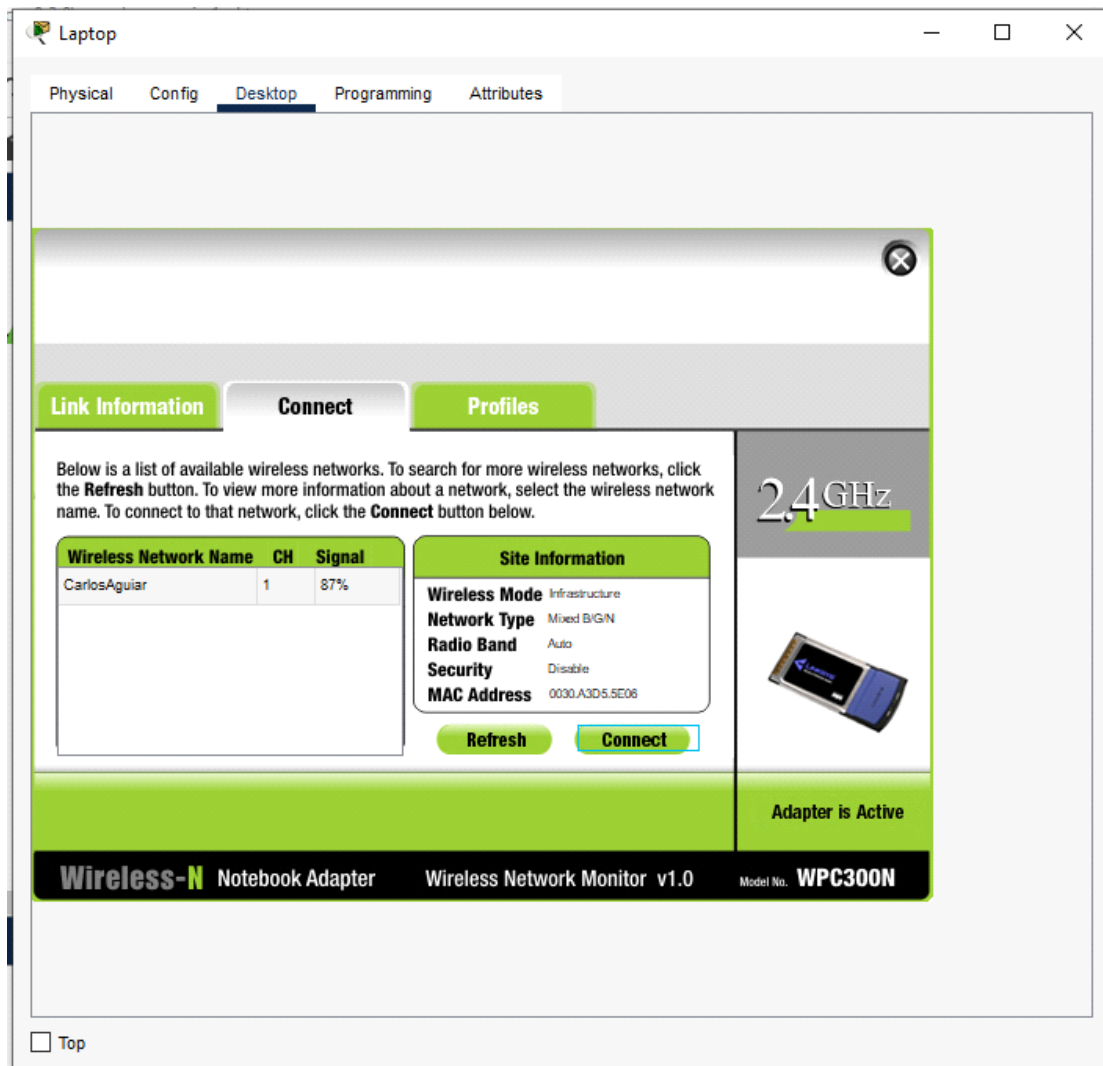
Shared Secret

Encryption Type

Disabled

Top

3. Conexión del Laptop



4. Comando ipconfig /all en el PC

```
C:\>ipconfig /all

FastEthernet0 Connection: (default port)

    Connection-specific DNS Suffix...: 
    Physical Address. . . . .: 0090.0C89.28A1
    Link-local IPv6 Address . . . . .: FE80::290:CFF:FE89:28A1
    IPv6 Address. . . . .: ::
    IPv4 Address. . . . .: 192.168.0.3
    Subnet Mask . . . . .: 255.255.255.192
    Default Gateway. . . . .: ::
                                192.168.0.1
    DHCP Servers. . . . .: 192.168.0.1
    DHCPv6 IAID. . . . .: 
    DHCPv6 Client DUID. . . . .: 00-01-00-01-90-00-97-76-00-90-0C-89-28-A1
    DNS Servers. . . . .: ::
                                208.67.220.220

Bluetooth Connection:

    Connection-specific DNS Suffix...: 
    Physical Address. . . . .: 0003.E408.7EE4
    Link-local IPv6 Address . . . . .: ::
    --More-- |
```

5. DNS configurado 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

Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type **A Record** ▾

Address

Add

Save

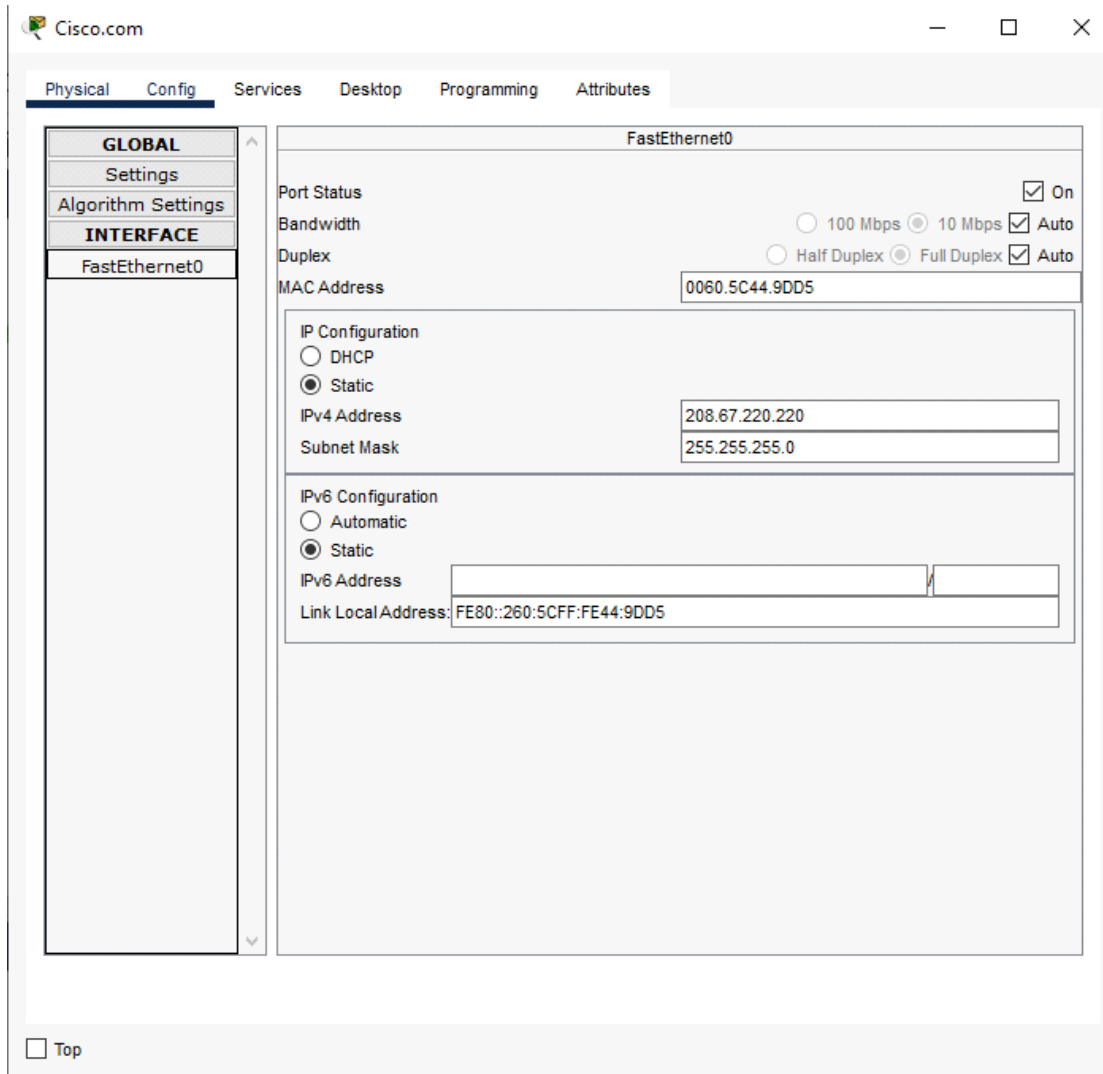
Remove

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

DNS Cache

☐ Top

6. FasEthernet configurado en el servidor



7. Comando ping cisco.com tanto en PC como en laptop

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

```

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=28ms TTL=127
Reply from 208.67.220.220: bytes=32 time=19ms TTL=127
Reply from 208.67.220.220: bytes=32 time=47ms TTL=127
Reply from 208.67.220.220: bytes=32 time=56ms 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 = 19ms, Maximum = 56ms, Average = 37ms

C:\>|

```

8. Paquetes ICMP

Simulation Panel

Event List

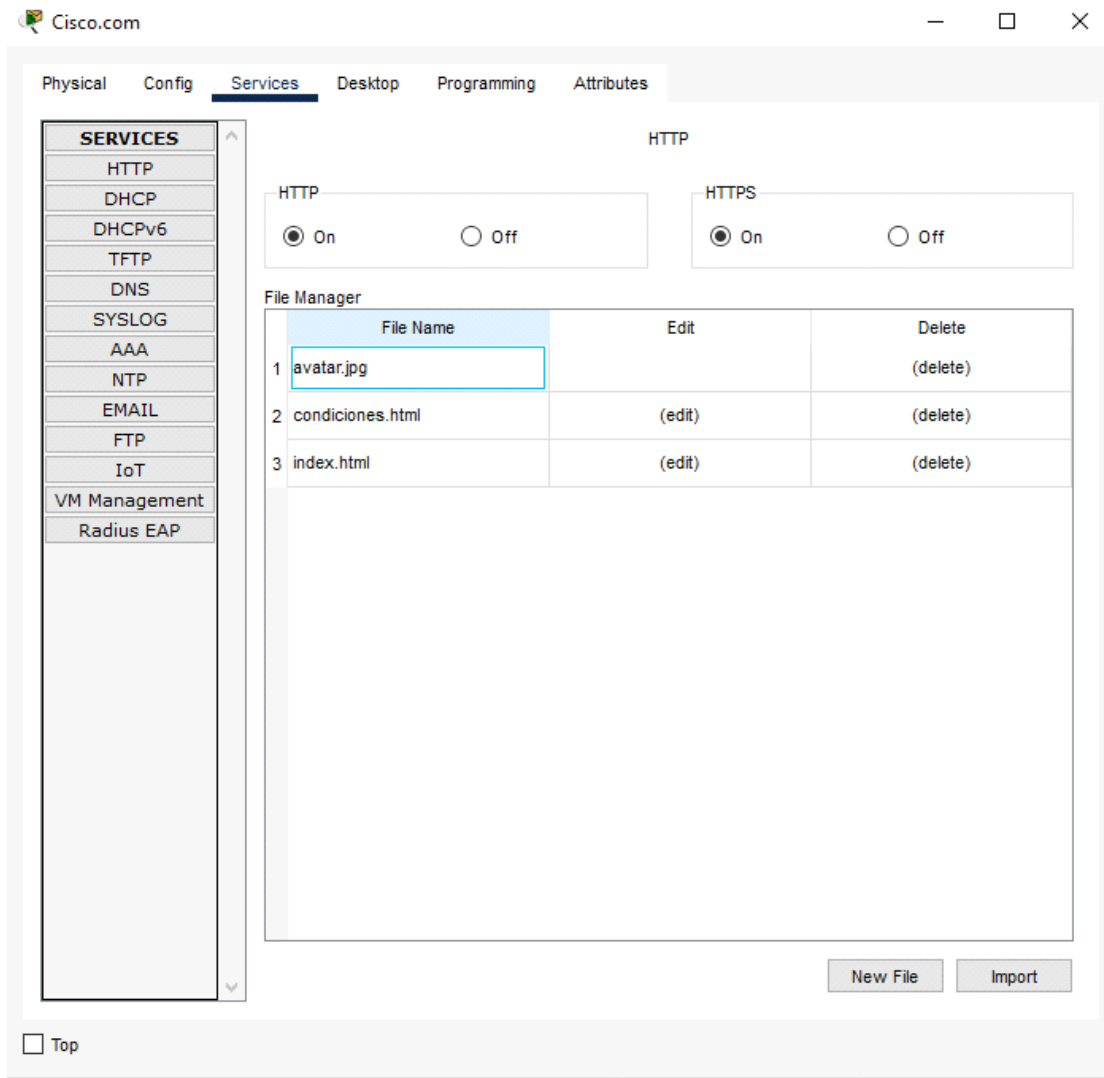
Vis.	Time(sec)	Last Device	At Device	Type
	17.003	Wireless Router	PC	STP
	19.002	--	Wireless Router	STP
	19.003	Wireless Router	PC	STP
	21.003	--	Wireless Router	STP
	21.004	Wireless Router	PC	STP
	23.003	--	Wireless Router	STP
	23.004	Wireless Router	PC	STP
	25.003	--	Wireless Router	STP
	25.004	Wireless Router	PC	STP
	27.004	--	Wireless Router	STP
	27.005	Wireless Router	PC	STP
	29.006	--	Wireless Router	STP
	29.007	Wireless Router	PC	STP
	31.008	--	Wireless Router	STP
	31.009	Wireless Router	PC	STP
	33.008	--	Wireless Router	STP
	33.009	Wireless Router	PC	STP
	35.005	--	Wireless Router	STP
	35.006	Wireless Router	PC	STP
	36.121	--	Wireless Router	DTP
	36.122	Wireless Router	PC	DTP
	36.122	--	Wireless Router	DTP
	36.123	Wireless Router	Laptop	DTP
	37.006	--	Wireless Router	STP

Reset Simulation
☒ Constant Delay
Captured to 37.006 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, NDR, NETFLOW, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIPng, RTP, SCCP, SMTp, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

9. HTTP del servidor



10. Código fuente de index.html y condiciones.html

Physical Config **Services** Desktop Programming Attributes**SERVICES**

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

File Name: index.html

```
<!DOCTYPE html>
<html lang="es">
<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>Document</title>
  <style>
    .logo{
      width: 129px;
    }
  </style>
</head>
<body>
  <h1>Carlos Aguiar Lambea</h1>
  
  <p>Soy un desarrollador novato con ganas de aprender</p>
  <a href="condiciones.html" title="Condiciones">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

```
<html>
<head>
</head>
<body>
  <h1>Mis condiciones</h1>
  <ul>
    <li>Zona de A Coruña</li>
    <li>Formación en la empresa</li>
    <li>Vehículo de empresa</li>
    <li>Sueldo mínimo +15%</li>
    <li>Secretaría</li>
  </ul>
  <a href="index.html" title="Página de inicio">Página de inicio</a>
</body>
</html>
```

File Manager Save

☐ Top

11. Vista de ambas páginas desde el Web Browser



URL

Go

Stop

Carlos Aguiar Lambea



Soy un desarrollador novato con ganas de aprender

[Condiciones](#)

