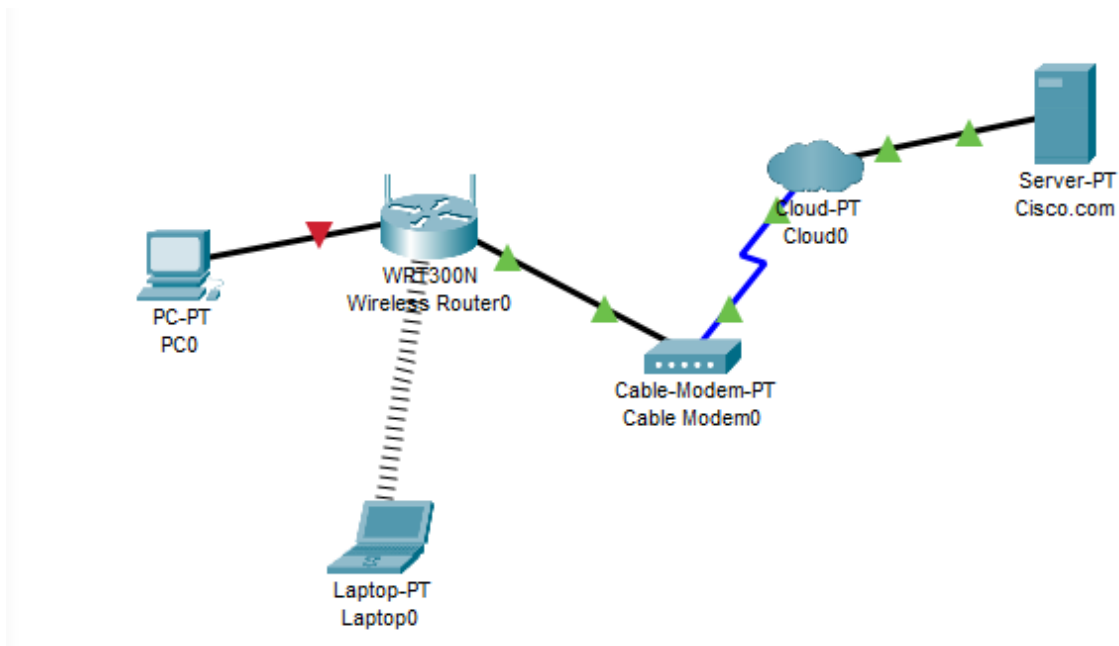


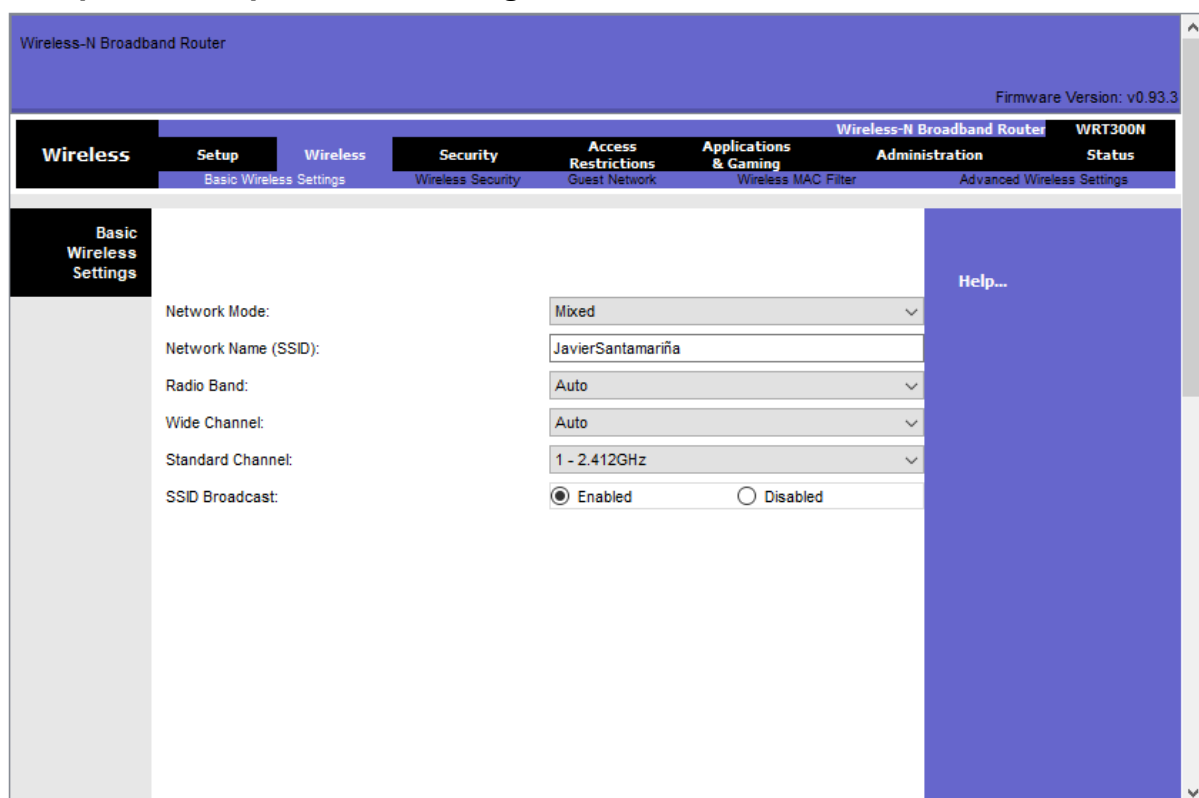
Red doméstica y servidor web con Cisco Packet Tracer

Javier Santamariña Patiño.
DAW 2.

1. Captura de la topología de red.



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



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

×

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
JavierSantamariña	1	100%

Site Information

Wireless Mode

Infrastructure

Network Type

Mixed B/G/N

Radio Band

Auto

Security

Disable

MAC Address

0005.5E26.DE08

Refresh

Connect

2.4GHz



Adapter is Active

Wireless-N Notebook Adapter

Wireless Network Monitor v1.0

Model No. WPC300N

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

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address.....: 0002.1775.BA86
    Link-local IPv6 Address.....: FE80::202:17FF:FE75:BA86
    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.....:
    DHCPv6 Client DUID.....: 00-01-00-01-BB-DA-08-40-00-02-17-75-BA-86
    DNS Servers.....: ::
                        208.67.220.220

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Physical Address.....: 000A.418B.E007
    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-BB-DA-08-40-00-02-17-75-BA-86
    DNS Servers.....: ::
                        208.67.220.220

```

5. Captura de Services > 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

No.	Name	Type	Detail
0	cisco.com	A Record	209.67.220.220

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

GLOBAL Settings Algorithm Settings INTERFACE FastEthernet0 Bluetooth	FastEthernet0	
	Port Status	<input checked="" type="checkbox"/> On
	Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
	Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
	MAC Address	0002.1775.BA86
<div>IP Configuration</div> <input checked="" type="radio"/> DHCP <input type="radio"/> Static IPv4 Address: 192.168.0.101 Subnet Mask: 255.255.255.0		
<div>IPv6 Configuration</div> <input type="radio"/> Automatic <input checked="" type="radio"/> Static IPv6 Address: <input type="text"/> Link Local Address: FE80::202:17FF:FE75:BA86		

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

PC:

```
C:\>ping cisco.com

Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=2ms TTL=127
Reply from 208.67.220.220: bytes=32 time=11ms TTL=127
Reply from 208.67.220.220: bytes=32 time=11ms TTL=127
Reply from 208.67.220.220: bytes=32 time=20ms 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 = 2ms, Maximum = 20ms, Average = 11ms

C:\>
```

Portátil:

```

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=19ms TTL=127
Reply from 208.67.220.220: bytes=32 time=40ms TTL=127
Reply from 208.67.220.220: bytes=32 time=36ms 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 = 40ms, Average = 26ms

C:\>

```

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.

0.000	--	Laptop0
0.001	Laptop0	Wireless Router0
0.002	Wireless Router0	Cable Modem0
0.003	Cable Modem0	Cloud0
 0.004	Cloud0	cisco.com
0.005	cisco.com	Cloud0
0.005	--	Wireless Router0
0.006	Wireless Router0	Laptop0
0.006	Cloud0	Cable Modem0
0.007	Cable Modem0	Wireless Router0
0.008	Wireless Router0	Laptop0
0.008	--	Laptop0
0.013	--	Laptop0
0.014	Laptop0	Wireless Router0

9. Captura de Services > HTTP en tu servidor web.

Physical
Config
Services
Desktop
Programming
Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

HTTP

☒ On
☐ Off

HTTPS

☒ On
☐ Off

File Manager

	File Name	Edit	Delete
1	avatar.jpg		(delete)
2	condiciones.html	(edit)	(delete)
3	index.html	(edit)	(delete)

New File

Import

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

Index:

```

1  <html>
2    <head>
3    </head>
4    <body>
5      <h1>Javier Santamariña Patiño</h1>
6      
7      <p>Programador especializado en desarrollar aplicaciones de la World Wide Web o
8      <p><a href="condiciones.html">Condiciones.</a></p>
9    </body>
10 </html>
11

```


Condiciones:

```
1 <html>
2   <head>
3   </head>
4   <body>
5     <h1>Condiciones:</h1>
6     <ul>
7       <li>Página web con CMS (Wordpress, etc...): Desde 300 €.</li>
8       <li>Tienda online con CMS (Prestashop, Woocommerce, etc...): Desde 500 €.</li>
9       <li>Maquetación: Desde 200 €.</li>
10      <li>Página web hecha con programación a medida: Desde 500 €.</li>
11    </ul>
12    <hr>
13    <p><a href="index.html">Información personal.</a></p>
14  </body>
15 </html>
16
```

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



Physical Config **Desktop** Programming Attributes

Web Browser

X

< > URL

Go

Stop

Condiciones:

- Página web con CMS (Wordpress, etc...): Desde 300 €.
- Tienda online con CMS (Prestashop, Woocommerce, etc...): Desde 500 €.
- Maquetación: Desde 200 €.
- Página web hecha con programación a medida: Desde 500 €.

[Información personal](#)