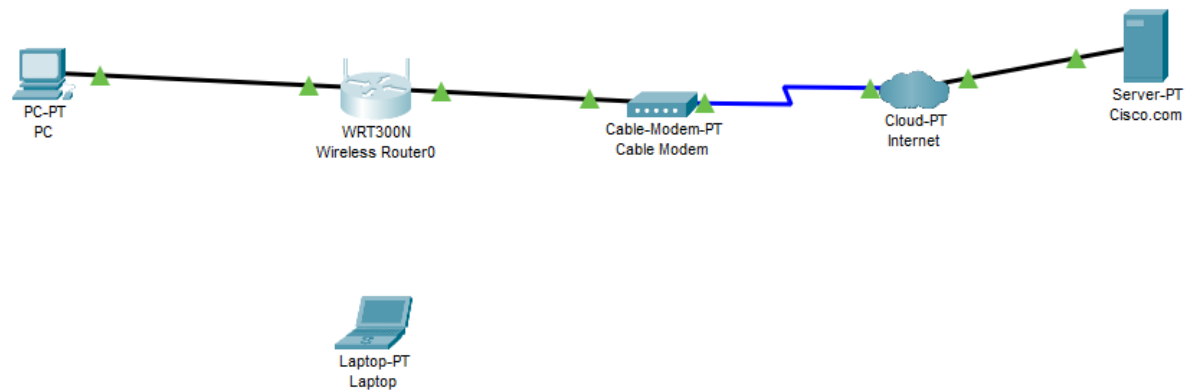


Red doméstica y servidor web con Cisco Packet Tracer

RUBÉN PALLÍN GONZÁLEZ

2ºDAW

1. Captura de la topología de red.



2. Captura de la pestaña de configuración wireless del router. El SSID de la red debe ser tu nombre y apellido en CamlCase sin tildes

Wireless-N Broadband Router

Firmware Version: v0.93.3

Wireless	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status
	Basic Wireless Settings		Wireless Security	Guest Network	Wireless MAC Filter		Advanced Wireless Settings

Basic Wireless Settings

Network Mode: Mixed

Network Name (SSID): RubenPallin

Radio Band: Auto

Wide Channel: Auto

Standard Channel: 5 - 2.432GHz

SSID Broadcast: ☒ Enabled ☐ Disabled

Help...

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

Laptop

PhysicalConfigDesktopProgrammingAttributes

Link InformationConnectProfiles

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
RubenPallin	5	100%

Site Information
Wireless Mode Infrastructure
Network Type Mixed B/G/N
Radio Band Auto
Security Disable
MAC Address 0080.70D2.D008

RefreshConnect

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.

```

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address.....: 00E0.F78D.3E9E
    Link-local IPv6 Address.....: FE80::2E0:F7FF:FE8D:3E9E
    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.....: 00-01-00-01-70-79-46-9D-00-E0-F7-8D-3E-9E
    DNS Servers.....: ::
                        208.67.220.220

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Physical Address.....: 00D0.5806.7EB9
    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.....: 00-01-00-01-70-79-46-9D-00-E0-F7-8D-3E-9E
    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

Address

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

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

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 00D0.BCCC.AC0B

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::2D0:BCFF:FECC:AC0B

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

```
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=1ms 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 = 3ms

C:\>
```

Command Prompt

```
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=37ms TTL=127
Reply from 208.67.220.220: bytes=32 time=46ms TTL=127
Reply from 208.67.220.220: bytes=32 time=40ms 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 = 28ms, Maximum = 46ms, Average = 37ms

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.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	6.955	Cable Modem	Wireless Router0	DNS
	6.956	Wireless Router0	PC	DNS
	6.956	--	PC	ICMP
	6.957	PC	Wireless Router0	ICMP
	6.958	Wireless Router0	Cable Modem	ICMP
	6.959	Cable Modem	Internet	ICMP
	6.960	Internet	Cisco.com	ICMP
	6.961	Cisco.com	Internet	ICMP
	6.962	Internet	Cable Modem	ICMP
	6.963	Cable Modem	Wireless Router0	ICMP
	6.964	Wireless Router0	PC	ICMP
	7.967	--	PC	ICMP
	7.968	PC	Wireless Router0	ICMP
	7.969	Wireless Router0	Cable Modem	ICMP
	7.970	Cable Modem	Internet	ICMP

Reset Simulation

☒ Constant Delay

Play Controls


Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters

Show All/None

9. Captura de Services > HTTP en tu servidor web

 Cisco.com

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	condiciones.html	(edit)	(delete)
2	index.html	(edit)	(delete)
3	rayo2.jpg		(delete)

New File

Import

☐ Top

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

```
index.html x condiciones.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Ejercicio DW de ES</title>
5 </head>
6 <body>
7 <h1>Rubén Pallín González</h1>
8 
9 <b><p>Descripción:</p></b>
10 <p> -Competitivo como Doc Hudson <br>
11 -Rápido como el rayo <br>
12 -Humilde como mate <br>
13 -Extrovertido como luigi <br><br>
14 </p>
15 <a href="condiciones.html">condiciones html</a>
16
17 </body>
18 </html>
```

```
index.html x condiciones.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Condiciones</title>
5 </head>
6 <body>
7 <b><p>Mis condiciones como trabajador son: </p></b>
8 <ul>
9 <li>Un salario digno (No menos de 1500).</li>
10 <li>Un contrato fijo.</li>
11 <li>Horario de mañana (Importante).</li>
12 <li>Vacaciones pagadas.</li>
13 </ul>
14 <a href="index.html">index.html</a>
15 </body>
16 </html>
```

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

< > URL http://208.67.220.220

Go

Stop

Rubén Pallín González



Descripción:

- Competitivo como Doc Hudson
- Rápido como el rayo
- Humilde como mate
- Extrovertido como luigi

[condiciones.html](#)

< > URL http://208.67.220.220/condiciones.html

Go

Stop

Mis condiciones como trabajador son:

- Un salario digno (No menos de 1500).
- Un contrato fijo.
- Horario de mañana (Importante).
- Vacaciones pagadas.

[index.html](#)