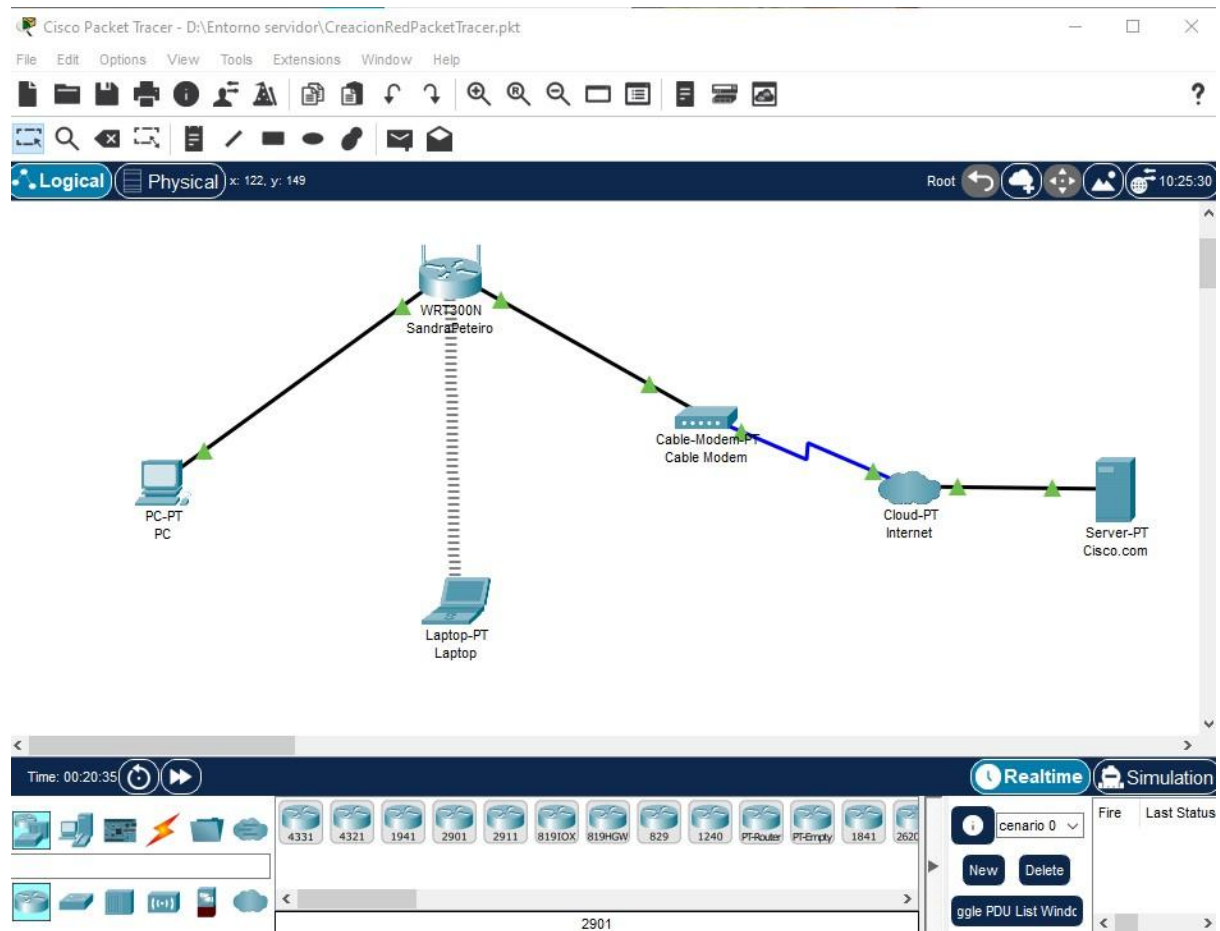


# **Red doméstica y servidor web con Cisco Packet Tracer**

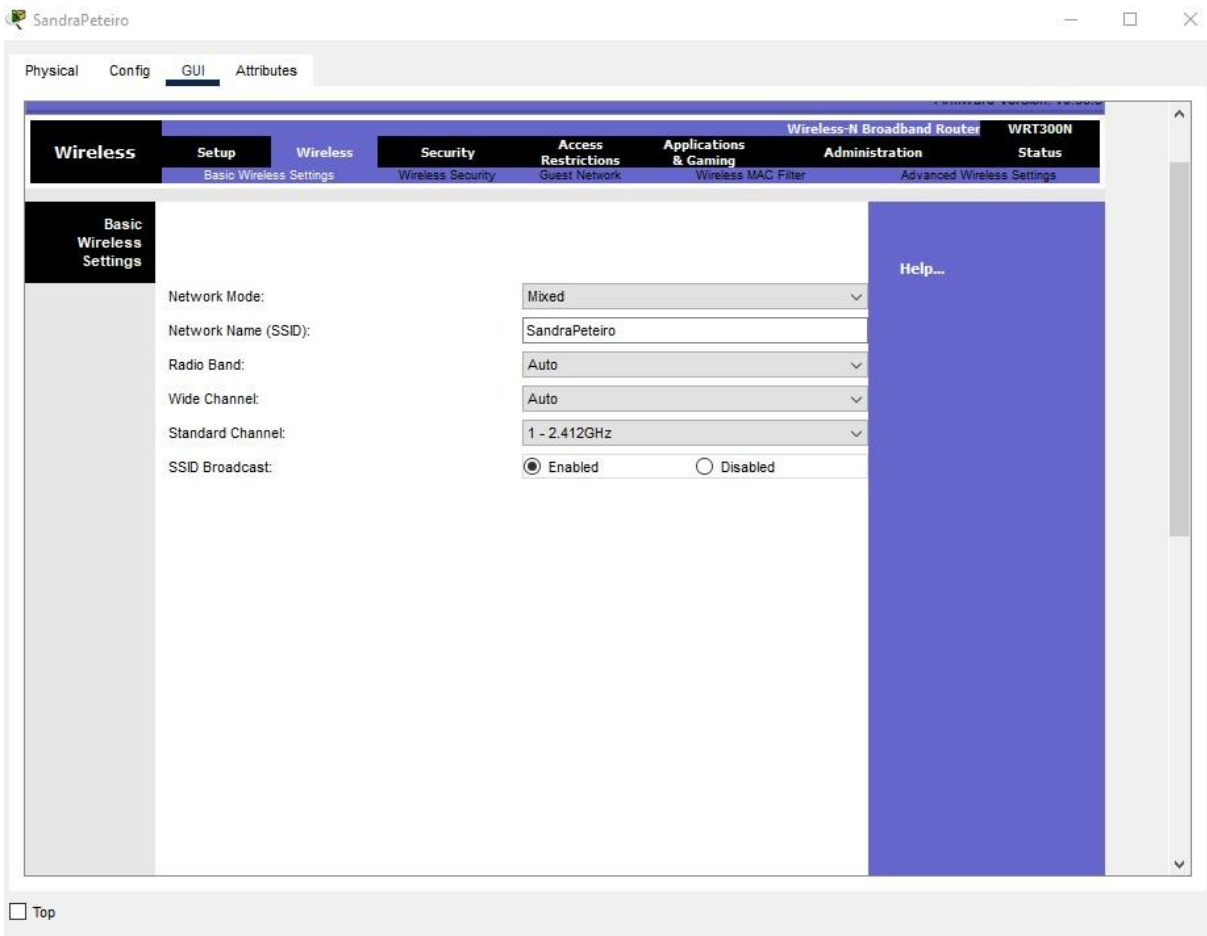
Sandra Peteiro Rodríguez

2º DAW

Realizamos una topología de red sencilla.



# Configuración wireless del router



Physical Config **GUI** Attributes

**Wireless** Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings

Wireless-N Broadband Router WRT300N

Basic Wireless Settings

Network Mode: Mixed

Network Name (SSID): SandraPeteiro

Radio Band: Auto

Wide Channel: Auto


Standard Channel: 1 - 2.412GHz

SSID Broadcast: ☒ Enabled ☐ Disabled

Help...

☐ Top

## Conexión del portátil a la red wifi

 Laptop

Physical

Config

Desktop

Programming

Attributes

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
SandraPeteiro	1	100%

**Site Information**

Wireless Mode

Infrastructure

Network Type

Mixed B/G/N

Radio Band

Auto

Security

Disable


MAC Address

0060.70E6.8E06

Refresh

Connect

2.4GHz



Adapter is Active

Wireless-N Notebook Adapter

Wireless Network Monitor v1.0

Model No. WPC300N

☐ Top

## Command Prompt

Cisco Packet Tracer PC Command Line 1.0

C:\>ip config /all

Invalid Command.

C:\>ipconfig /all

Wireless0 Connection:(default port)

Connection-specific DNS Suffix...:

Physical Address.....: 0060.3EEA.2D23

Link-local IPv6 Address.....: FE80::260:3EFF:FEEA:2D23

IPv6 Address.....: ::

IPv4 Address.....: 192.168.0.100

Subnet Mask.....: 255.255.255.0

Default Gateway.....: ::

192.168.0.1

DHCP Servers.....: 192.168.0.1

DHCPv6 IAID.....:

DHCPv6 Client DUID.....: 00-01-00-01-1E-76-48-2E-00-60-3E-EA-2D-23

DNS Servers.....: ::

208.67.220.220

Bluetooth Connection:

Connection-specific DNS Suffix...:

Physical Address.....: 0002.4AA6.4755

Link-local IPv6 Address.....: ::

--More--

## Comando ipconfig del PC

```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...: 
    Physical Address.....: 0001.427E.1835
    Link-local IPv6 Address.....: FE80::201:42FF:FE7E:1835
    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.....: 00-01-00-01-11-2D-72-B8-00-01-42-7E-18-35
    DNS Servers.....: ::
                                208.67.220.220

Bluetooth Connection:

    Connection-specific DNS Suffix...: 
    Physical Address.....: 0060.5C64.39A4
    Link-local IPv6 Address.....: ::
```

## 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** v

Address

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

## 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 000C.85DB.C848

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::20C:85FF:FEDB:C848

☐ Top



## Comando ping desde el 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=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 = 6ms

C:\>
```

Top

819HG-4G-IOX

## Comando ping desde el portátil

```
Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=10ms TTL=127
Reply from 208.67.220.220: bytes=32 time=46ms TTL=127
Reply from 208.67.220.220: bytes=32 time=24ms TTL=127
Reply from 208.67.220.220: bytes=32 time=22ms 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 = 10ms, Maximum = 46ms, Average = 25ms

C:\>
```

Top

## Simulación (con ping)

```
C:\>ping cisco.com

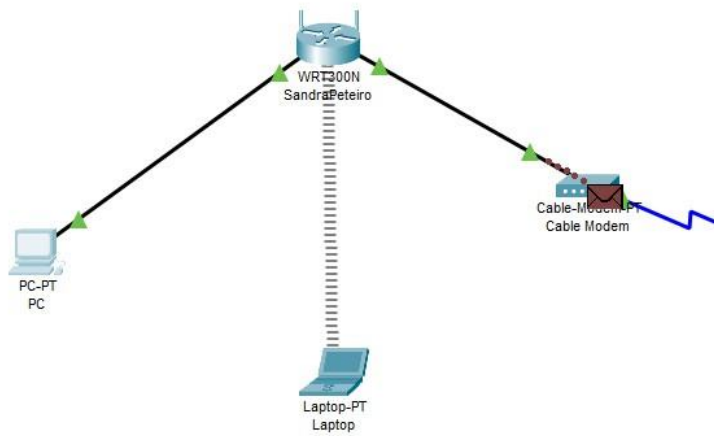
Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=8ms TTL=127
Reply from 208.67.220.220: bytes=32 time=8ms TTL=127
```



Logical Physical x: 377, y: 459

Root 21:02:00



Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	—
	0.001	PC
<input checked="" type="checkbox"/>	0.002	SandraPeteiro

Reset Simulation ☒ Constant Delay Captured t 0.002

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, NDP, NETFLOW, NT OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SS STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB VTP

Edit Filters Show All/None

Time: 00:36:54.514 PLAY CONTROLS:

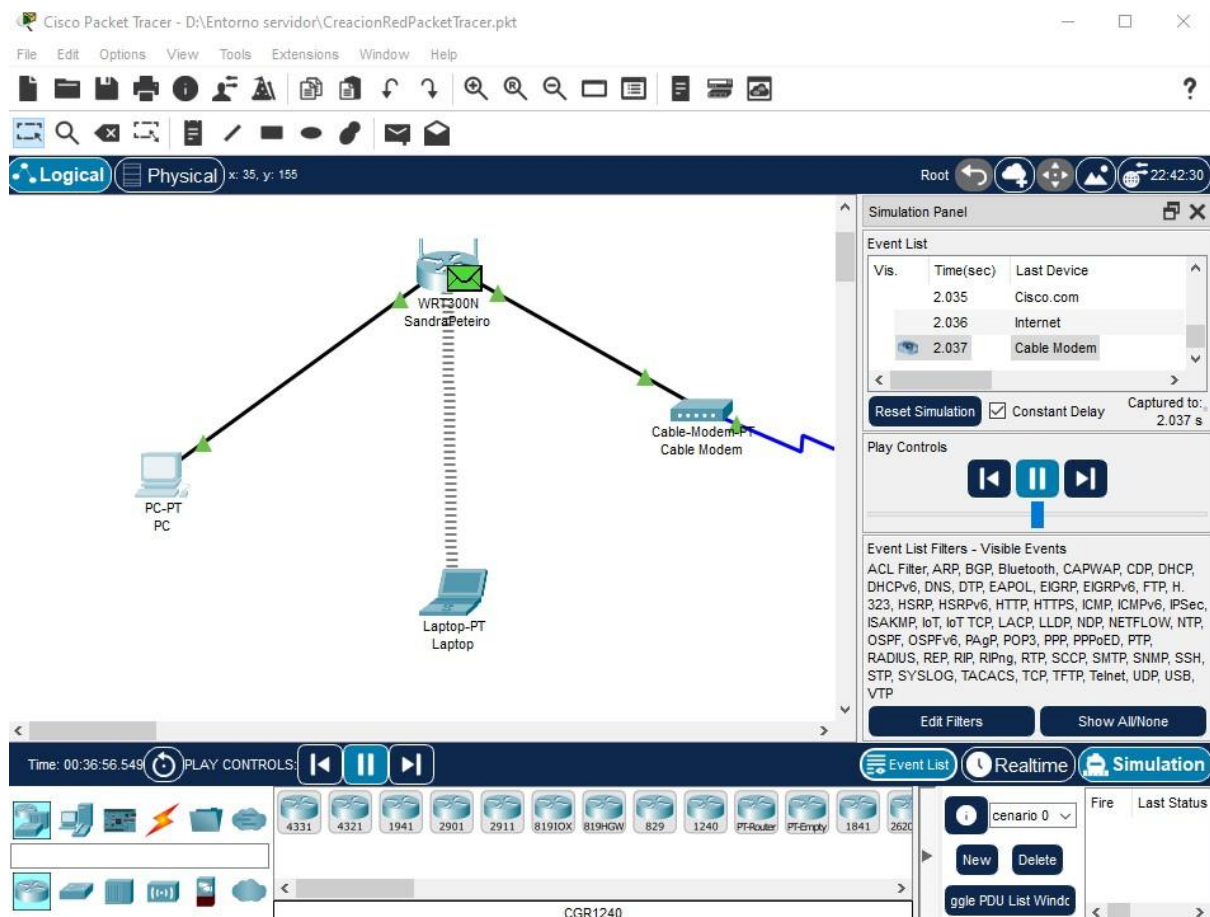
Event List Realtime Simulation



cenario 0 Fire Last Stat

New Delete

ggle PDU List Windc



## Captura de paquetes Event List



# Ficheros que se están sirviendo

Cisco.com

PhysicalConfigServicesDesktopProgrammingAttributes

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	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

New FileImport

☐ Top

Services > HTTP del servidor

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

HTTP

HTTPS


File Manager

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

New FileImport

Top

## Código fuente index.html

 Cisco.com

— □ ×

Physical Config **Services** Desktop Programming Attributes

**SERVICES** ^  
HTTP  
DHCP  
DHCPv6  
TFTP  
DNS  
SYSLOG  
AAA  
NTP  
EMAIL  
FTP  
IoT  
VM Management  
Radius EAP  
v

File Name:

```
<!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>Presentación</title>
</head>
<body>
  <h1>Sandra Peteiro</h1>
  
  <p>Desarrolladora iniciada en pleno aprendizaje desde 0 y hasta el infinito. Entusiasta y colaboradora, alto nivel de automotivación y curiosidad. Aporto al desarrollo web mis conocimientos en marketing y comunicación</p>
  <a href="condiciones.html">Enlace a condiciones</a>
</body>
</html>
```

File Manager Save

☐ Top

## Código fuente condiciones

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="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>condiciones</title>
</head>
<body>
  <ul>
    <li>
      Formación continua
    </li>
    <li>
      Buen ambiente de trabajo
    </li>
    <li>
      Salario competitivo y beneficios sociales
    </li>
  </ul>
  <a href="index.html">Pagina principal</a>
</body>
</html>
```

File Manager Save

☐ Top

Captura web desde el portátil





## Captura condiciones desde el portátil

