

**PACKET TRACER**

# **Cisco Packet Tracer**



1. Ponemos el Router y entramos en su configuración:

Modificamos los parámetros como vemos ahí.(Setup y wireless)

Physical Config **GUI** Attributes

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

Basic Setup DDNS MAC Address Clone Advanced R

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**Internet Setup**

Internet Connection type: Automatic Configuration - DHCP ▾

Optional Settings (required by some internet service providers)

Host Name:

Domain Name:

MTU: ▾ Size: 1500

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**Network Setup**

Router IP

IP Address:  .  .  .

Subnet Mask:  ▾

DHCP Server Settings

DHCP Server: ☒ Enabled ☐ Disabled

Start IP Address: 192.168.0.

Maximum number of Users:

IP Address Range: 192.168.0. 100 - 149

Client Lease Time:  minutes (0 means one day)

Static DNS 1:  .  .  .

WIRELESS:

Physical Config **GUI** Attributes

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

Basic Wireless Settings Wireless Security Guest Network Wireless MAC Filter

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**Basic Wireless Settings**

**2.4 GHz**

Network Mode:  ▾

Network Name (SSID):

SSID Broadcast: ☒ Enabled ☐ Disabled

Standard Channel:  ▾

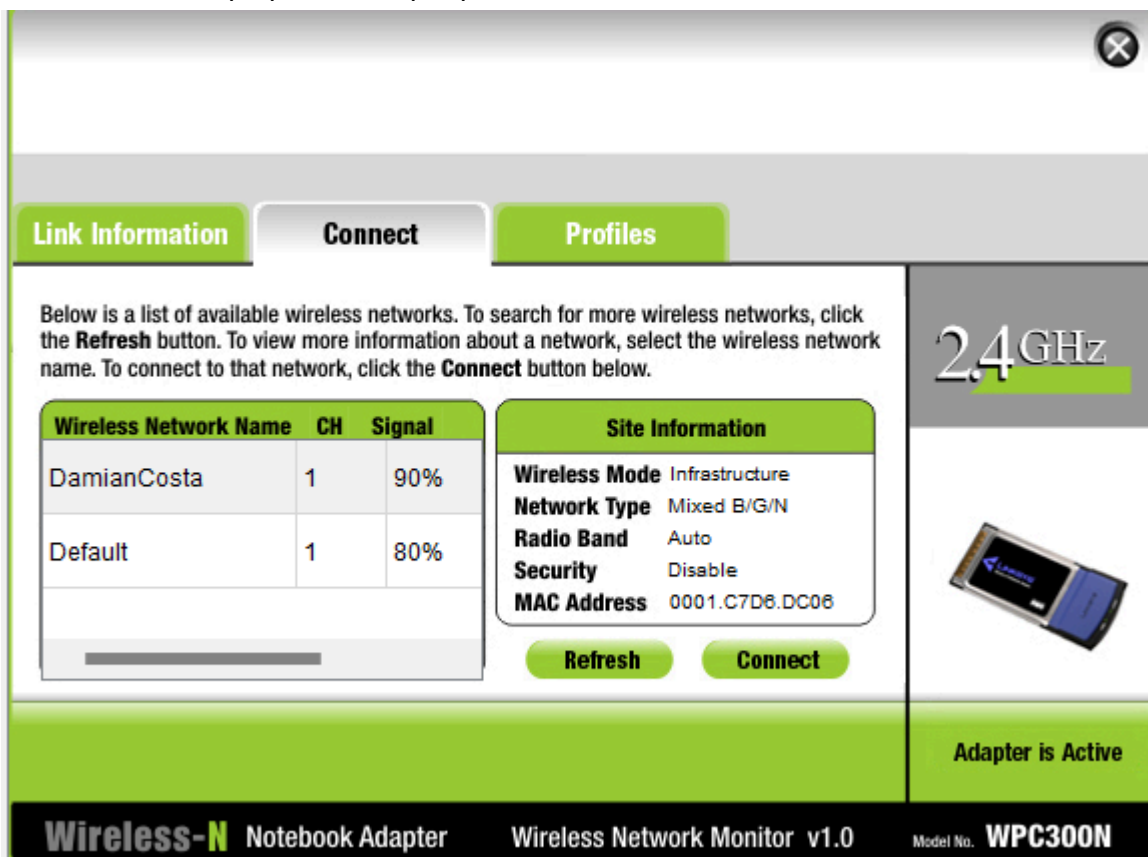
Channel Bandwidth:  ▾

**5 GHz - 2**

2. Ahora pillamos un portátil laptop y quitamos el conector de cable e introducimos el de

wifi.

clickamos en el laptop < Desktop < pc Wireless < connect < DamianCosta



Prompt para ver la ipconfig /all del portatil

```
Physical  Config  Desktop  Programming  Attributes
Command Prompt X

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

Wireless0 Connection:(default port)

Connection-specific DNS Suffix...:
Physical Address.....: 000D.BDAC.8EA4
Link-local IPv6 Address.....: FE80::20D:BDFF:FEAC:8EA4
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.....: 1891420781
DHCPv6 Client DUID.....: 00-01-00-01-60-5C-D0-60-00-0D-BD-AC-8E-A4
DNS Servers.....: ::
                        208.67.220.220

Bluetooth Connection:
|
Connection-specific DNS Suffix...:
Physical Address.....: 0001.432B.1D69
Link-local IPv6 Address.....: ::
```

**3.** Ahora cogemos un pc de sobremesa y establecemos la conexión con el router a través del cable ethernet, después usamos ipconfig /all para verificar su contenido:

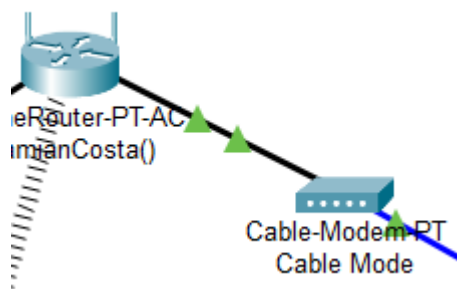
```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix...:
Physical Address.....: 0003.E42A.3877
Link-local IPv6 Address.....: FE80::203:E4FF:FE2A:3877
IPv6 Address.....: ::
IPv4 Address.....: 192.168.0.102
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
                        192.168.0.1
DHCP Servers.....: 192.168.0.1
DHCPv6 IAID.....:
DHCPv6 Client DUID.....: 00-01-00-01-34-9C-6C-C7-00-03-E4-2A-38-77
DNS Servers.....: ::
                        208.67.220.220

Bluetooth Connection:
```

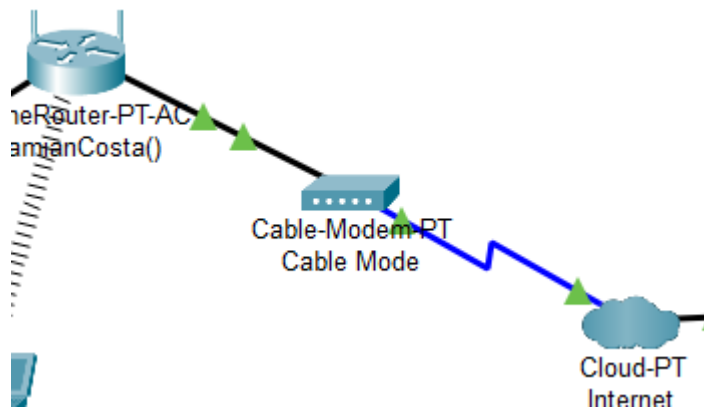
**4.** Instalamos el Modem:



Y lo conectamos con el router.

## 5. Seguimos con la nube:

Conectándolo respectivamente con el modem



Con la nube tenemos que hacer un par de ajustes a comparación del modem.

Nos dirigimos a Config < Ethernet6 y pasamos de DSL a cable.

Ahora Config < Cable:

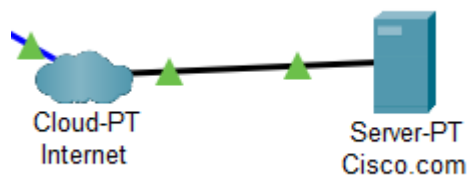
Cable

Coaxial7 <> Ethernet6

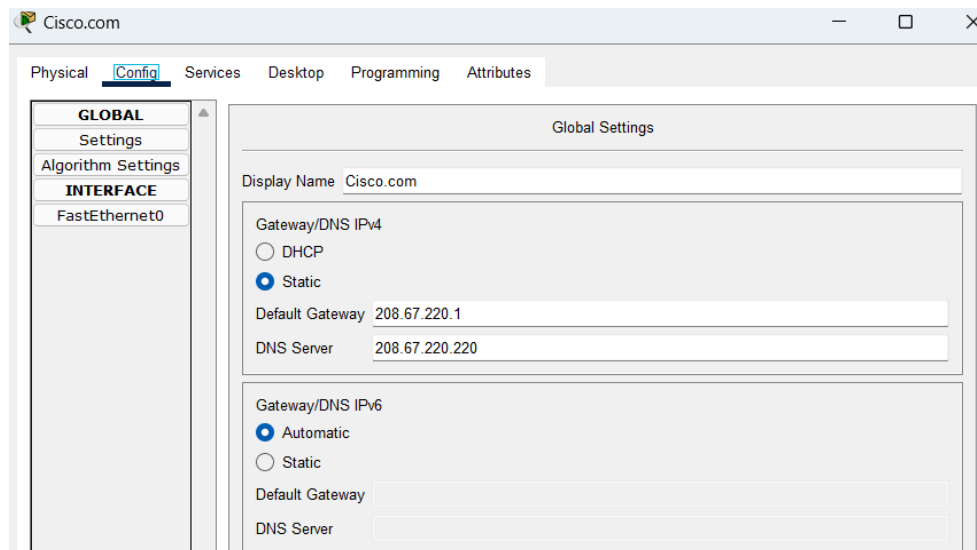
Port Port

From Port	To Port
Coaxial7	Ethernet6

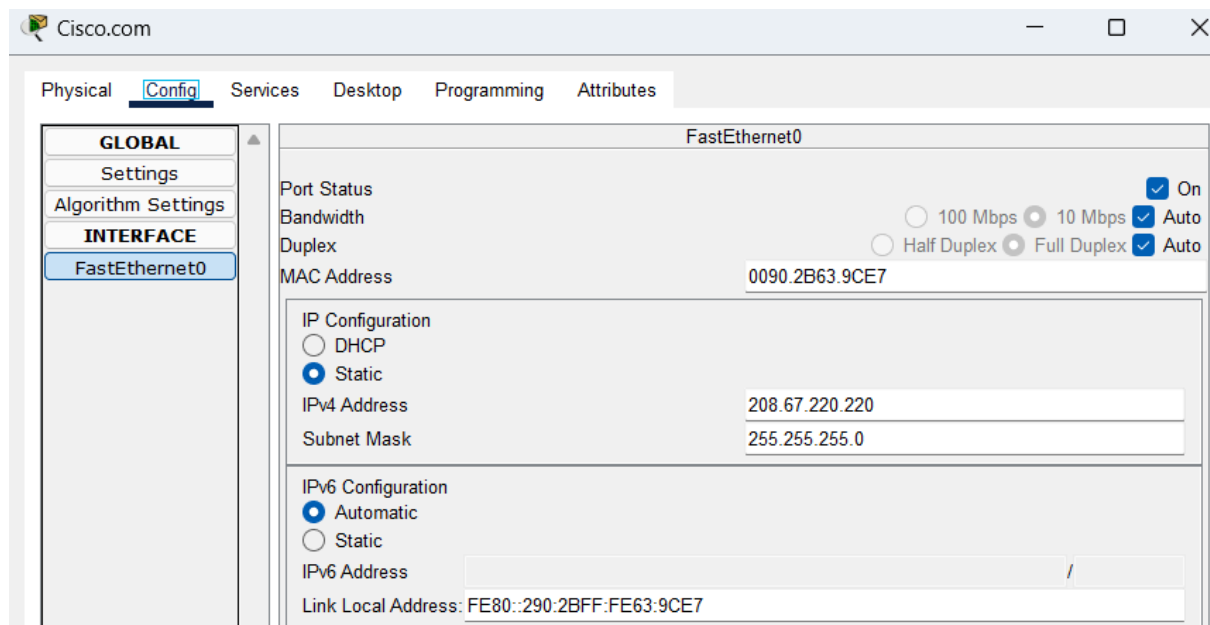
## 6. Por último y más datos a introducir el Servidor Cisco.com



La configuración básica del servidor:



### FastEthernet0:



### Servicios DHCP:

Cisco.com

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

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

**DHCP**

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: DHCPpool

Default Gateway: 208.67.220.200

DNS Server: 208.67.220.220

Start IP Address: 208 67 220 1

Subnet Mask: 255 255 255 0

Maximum Number of Users: 50

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
DHCPpool	208.67.22...	208.67.22...	208.67.220.1	255.255.2...	50	0.0.0.0	0.0.0.0
serverPool	0.0.0.0	0.0.0.0	208.67.22...	255.255.2...	36	0.0.0.0	0.0.0.0

DNS:

Cisco.com

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
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- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

**DNS**

DNS Service: ☒ On ☐ Off

Resource Records

Name: cisco.com Type: A Record

Address: 208.67.220.220

Add Save Remove

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

## 7. Comprobar conexión desde pc a servidor.

```
C:\>ipconfig /release

IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway...: 0.0.0.0
DNS Server.....: 0.0.0.0

C:\>ipconfig /renew

IP Address.....: 192.168.0.102
Subnet Mask.....: 255.255.255.0
Default Gateway...: 192.168.0.1
DNS Server.....: 208.67.220.220

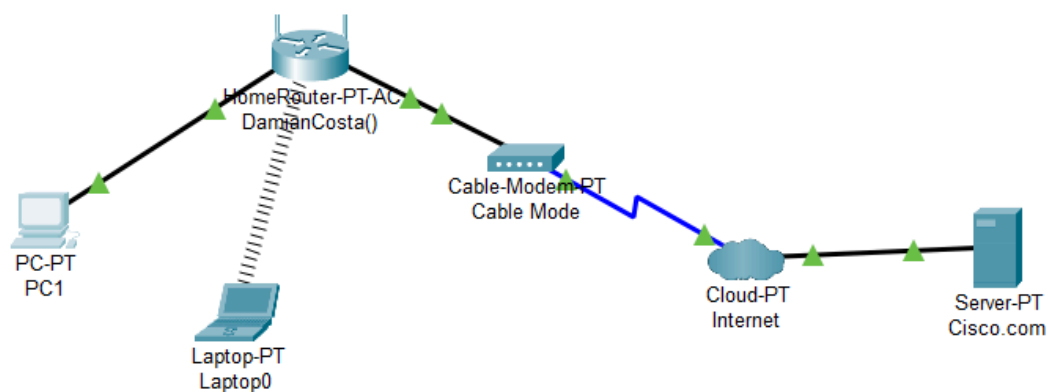
C:\>ping cisco.com

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=6ms TTL=127
Reply from 208.67.220.220: bytes=32 time=6ms TTL=127
Reply from 208.67.220.220: bytes=32 time=6ms 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 = 6ms, Average = 5ms
```

## VISIONADO FINAL

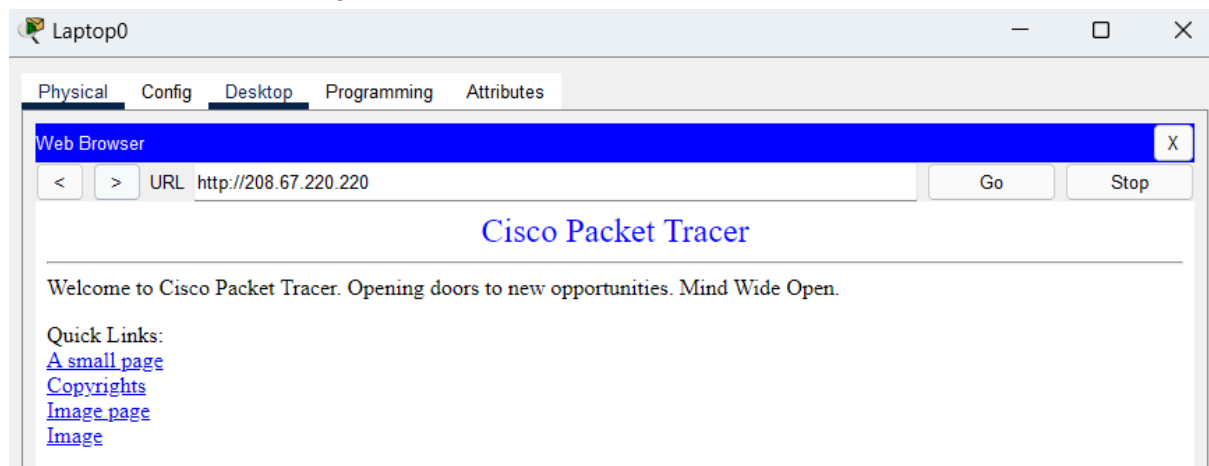




## SIMULACIÓN A TIEMPO REAL:

Simulation Panel		
Event List		
Vis.	Time(sec)	Last Device
	0.001	PC1
	0.002	DamianCosta()
	0.003	Cable Mode
	0.004	Internet
	0.005	Cisco.com
	0.006	Internet
	0.007	Cable Mode
	0.008	DamianCosta()
	0.008	--
	0.009	PC1
	0.010	DamianCosta()
	0.011	Cable Mode
	0.012	Internet
	0.013	Cisco.com
	0.014	Internet

## Portatil entrando en la pagina web:



## Creamos las página con sus pautas y ya modificada la página:

## HTTP

### HTTP

☒ On

☐ Off

### HTTPS

☒ On

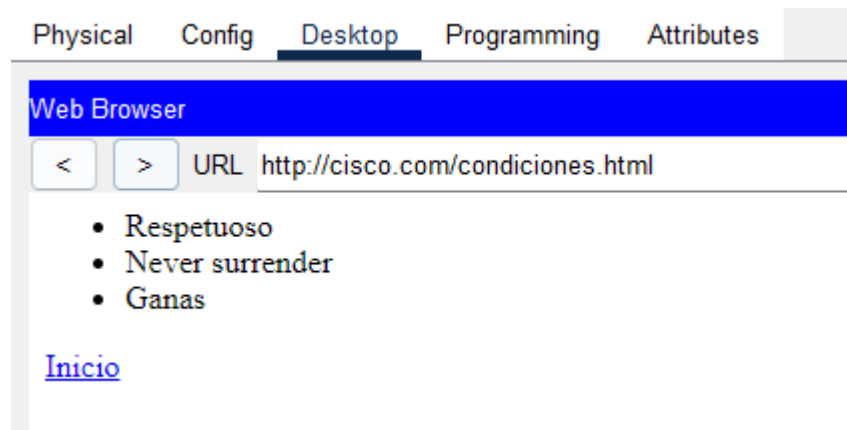
☐ Off

### File Manager

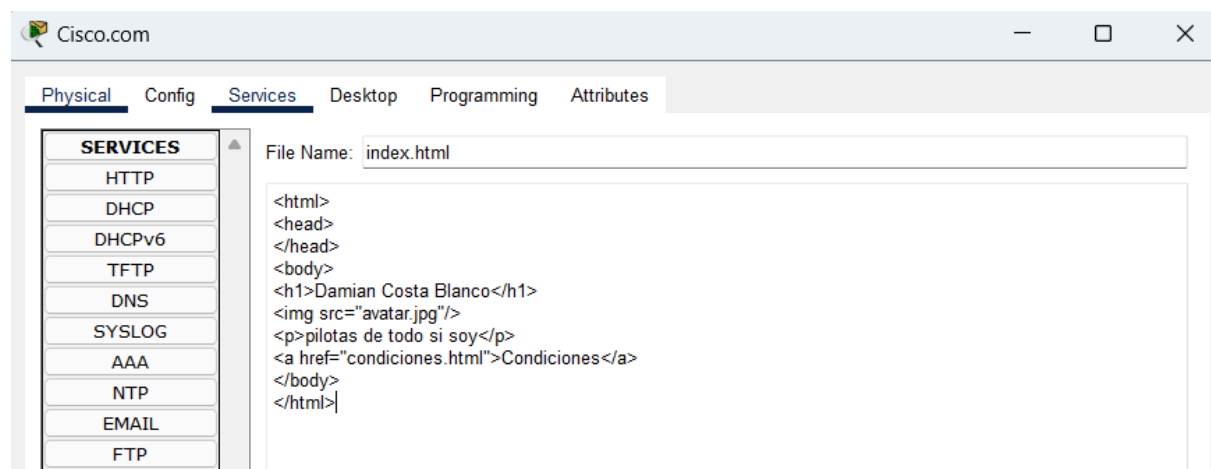
	File Name	Edit	Delete
1	avatar.jpg		(delete)
2	condiciones.html	(edit)	(delete)
3	index.html	(edit)	(delete)

Ahora verificamos su funcionamiento desde un pc conectándonos:





Y el contenido de ambas páginas:  
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CONDICIONES

