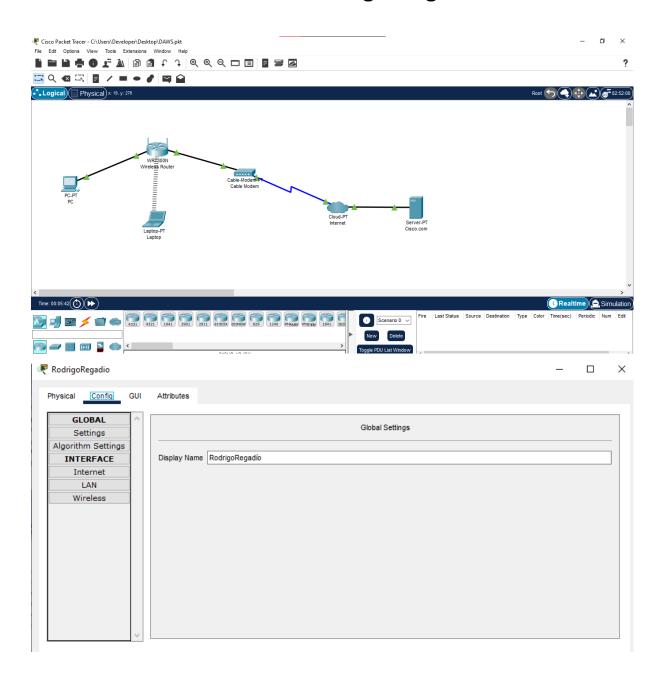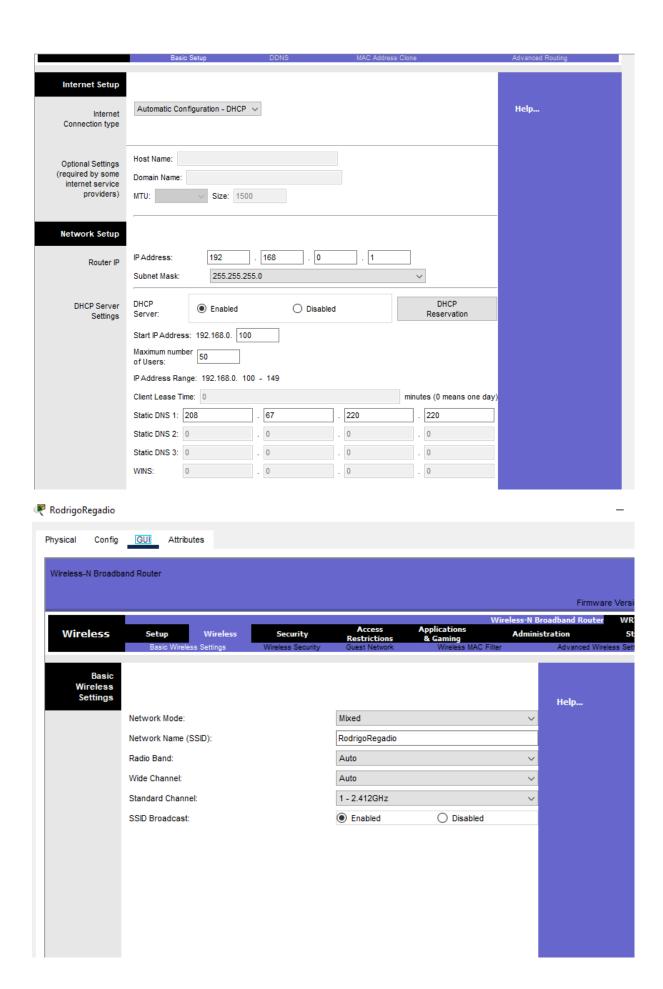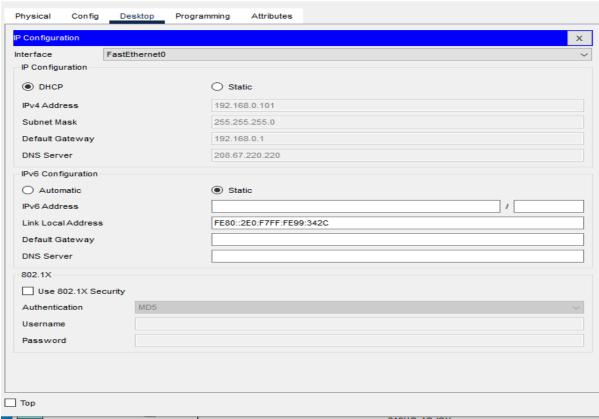# Red doméstica y servidor web con Cisco Packet Tracer
Rodrigo Regadío Núñez 2DAW

Internet Setup

Internet
Connection type

Automatic Configuration - DHCP

Optional Settings
(required by some
internet service
providers)

Host Name:

Domain Name:

MTU: Size: 1500

Network Setup

Router IP

IP Address: 192 . 168 . 0 . 1

Subnet Mask: 255.255.255.0

DHCP Server
Settings

DHCP
Server: ● Enabled   ○ Disabled   DHCP Reservation

Start IP Address: 192.168.0. 100

Maximum number
of Users: 50

IP Address Range: 192.168.0. 100 - 149

Client Lease Time: 0   minutes (0 means one day)

Static DNS 1: 208 . 67 . 220 . 220

Static DNS 2: 0 . 0 . 0 . 0

Static DNS 3: 0 . 0 . 0 . 0

WINS: 0 . 0 . 0 . 0

Help...

🐢 RodrigoRegadio   ─

Physical   Config   GUI   Attributes

Wireless-N Broadband Router

Firmware Versi

Basic
Wireless
Settings

Help...

Network Mode: Mixed

Network Name (SSID):   RodrigoRegadio

Radio Band: Auto

Wide Channel: Auto

Standard Channel: 1 - 2.412GHz

SSID Broadcast: ● Enabled   ○ Disabled

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

◉ DHCP   ○ Static

IPv4 Address   192.168.0.101
Subnet Mask   255.255.255.0
Default Gateway   192.168.0.1
DNS Server   208.67.220.220

IPv6 Configuration

○ Automatic   ◉ Static

IPv6 Address   [   ] / [   ]
Link Local Address   FE80::2E0:F7FF:FE99:342C
Default Gateway   [   ]
DNS Server   [   ]

802.1X

☐ Use 802.1X Security

Authentication   MD5   ⌄
Username   [   ]
Password   [   ]

☐ Top

```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix..:
    Physical Address................: 00E0.F799.342C
    Link-local IPv6 Address.........: FE80::2E0:F7FF:FE99:342C
    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-EE-59-DD-B4-00-E0-F7-99-34-2C
    DNS Servers.....................: ::
                                      208.67.220.220

Bluetooth Connection:

    Connection-specific DNS Suffix..:
    Physical Address................: 000A.4168.4606
    Link-local IPv6 Address.........: ::
 --More--
```

Internet   — □ ✕

| Physical | Config | Attributes |

| GLOBAL |
| Settings |
| TV Settings |
| CONNECTIONS |
| Frame Relay |
| DSL |
| Cable |
| INTERFACE |
| Serial0 |
| Serial1 |
| Serial2 |
| Serial3 |
| Modem4 |
| Modem5 |
| Ethernet6 |
| Coaxial7 |
| FastEthernet8 |

Cable

Coaxial7   ⌄   <->   Ethernet6   ⌄
Port   Port

From Port	To Port	
Coaxial7	Ethernet6	

Internet

Physical | Config | Attributes

Ethernet6

Provider Network   ⦿ Cable   ○ DSL

GLOBAL
- Settings
- TV Settings

CONNECTIONS
- Frame Relay
- DSL
- Cable

INTERFACE
- Serial0
- Serial1
- Serial2
- Serial3
- Modem4
- Modem5
- Ethernet6
- Coaxial7
- FastEthernet8

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: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address : 208 | 67 | 220 | 0

Subnet Mask: 255 | 255 | 255 | 0

Maximum Number of Users : 255

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	208.67.2...	208.67.2...	208.67.2...	255.255....	50	0.0.0.0	0.0.0.0
serverPool	0.0.0.0	0.0.0.0	208.67.2...	255.255....	255	0.0.0.0	0.0.0.0

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

Cisco.com

Physical | Config | Services | Desktop | Programming | Attributes

GLOBAL
- Settings
- Algorithm Settings

INTERFACE

Global Settings

Display Name [Cisco.com   ]

Gateway/DNS IPv4
- ○ DHCP
- ● Static

Default Gateway [208.67.220.1   ]

DNS Server [208.67.220.220   ]

Gateway/DNS IPv6
- ○ Automatic
- ● Static

Default Gateway [   ]

DNS Server [   ]

Cisco.com

| Physical | Config | Services | Desktop | Programming | Attributes |

GLOBAL
INTERFACE
FastEthernet0

FastEthernet0

Port Status .... ☑ On
Bandwidth .... ○ 100 Mbps ◉ 10 Mbps ☑ Auto
Duplex .... ○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address 000D.BDCC.7997

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::20D:BDFF:FECC:7997

```
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........................: 192.168.0.101
    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=7ms 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

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 = 7ms, Average = 2ms

C:\>
```
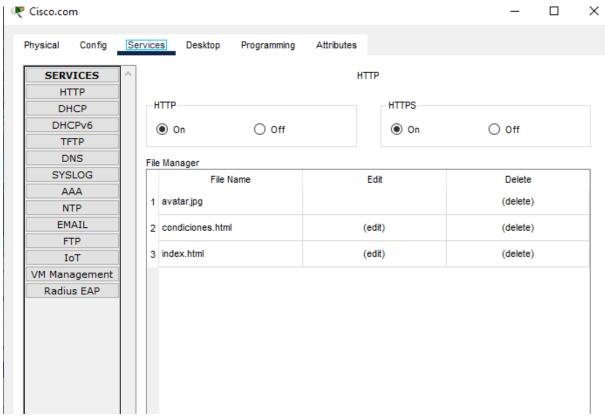
PC — □ X

Physical   Config   Desktop   Programming   Attributes

Web Browser   X

<   >   URL   http://208.67.220.220   Go   Stop

Cisco Packet Tracer

Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.

Quick Links:
A small page
Copyrights
Image page
Image


```
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
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	
	1.024	Internet	^
	1.025	Cable Modem	
👁	1.026	RodrigoRegadio	
			v

Reset Simulation ☑ Constant Delay   Captured to:
1.026 s

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, NTP,
OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP,
RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH,
STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB,
VTP

🌐 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

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)

File Name: index.html

```html
<!DOCTYPE html>
<html lang="en">
<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>Personal</title>
</head>
<body>
    <h1>Rodrigo Regadío Núñez</h1>
    <img src="avatar.jpg" alt="">
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore
et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip
ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu
fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt
mollit anim id est laborum</p>
    <a href="condiciones.html">Enlace a condiciones</a>
</body>
</html>
```

File Name: condiciones.html

```html
<!DOCTYPE html>
<html lang="en">
<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>
            >Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut
labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut
aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum
dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,
        </li>
        <li>
            >Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut
labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut
aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum
dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,
        </li>
    </ul>
    <a href="index.html">Pagina principal</a>
</body>
</html>
```

Laptop   — □ ✕

Physical   Config   Desktop   Programming   Attributes

Web Browser   X

< | > | URL | http://208.67.220.220 | Go | Stop

Rodrigo Regadío Núñez

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

Enlace a condiciones

Laptop   — □ ✕

Physical   Config   Desktop   Programming   Attributes

Web Browser   X

< | > | URL | http://208.67.220.220/condiciones.html | Go | Stop

- >Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,
- >Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,

Pagina principal