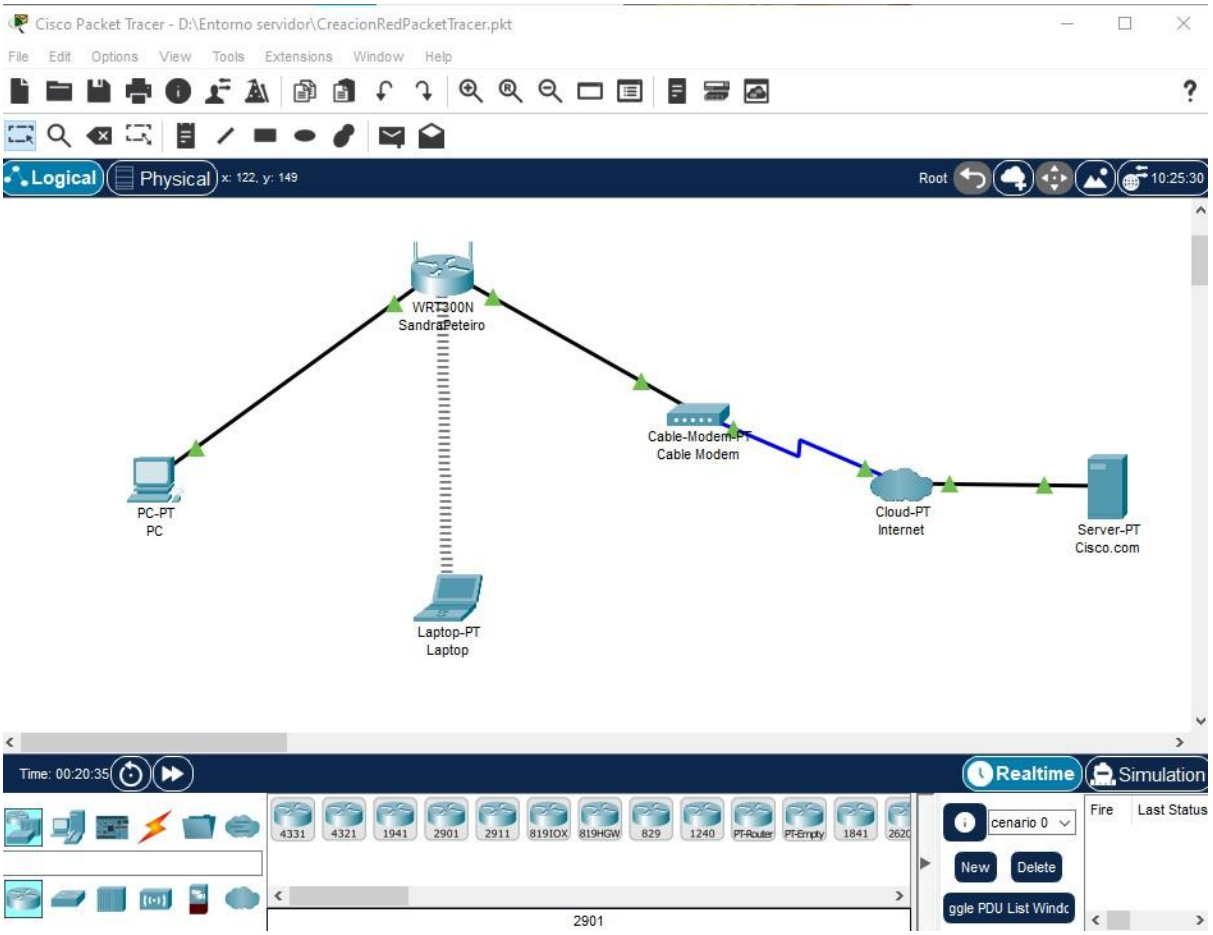
Red doméstica y servidor web con Cisco Packet Tracer

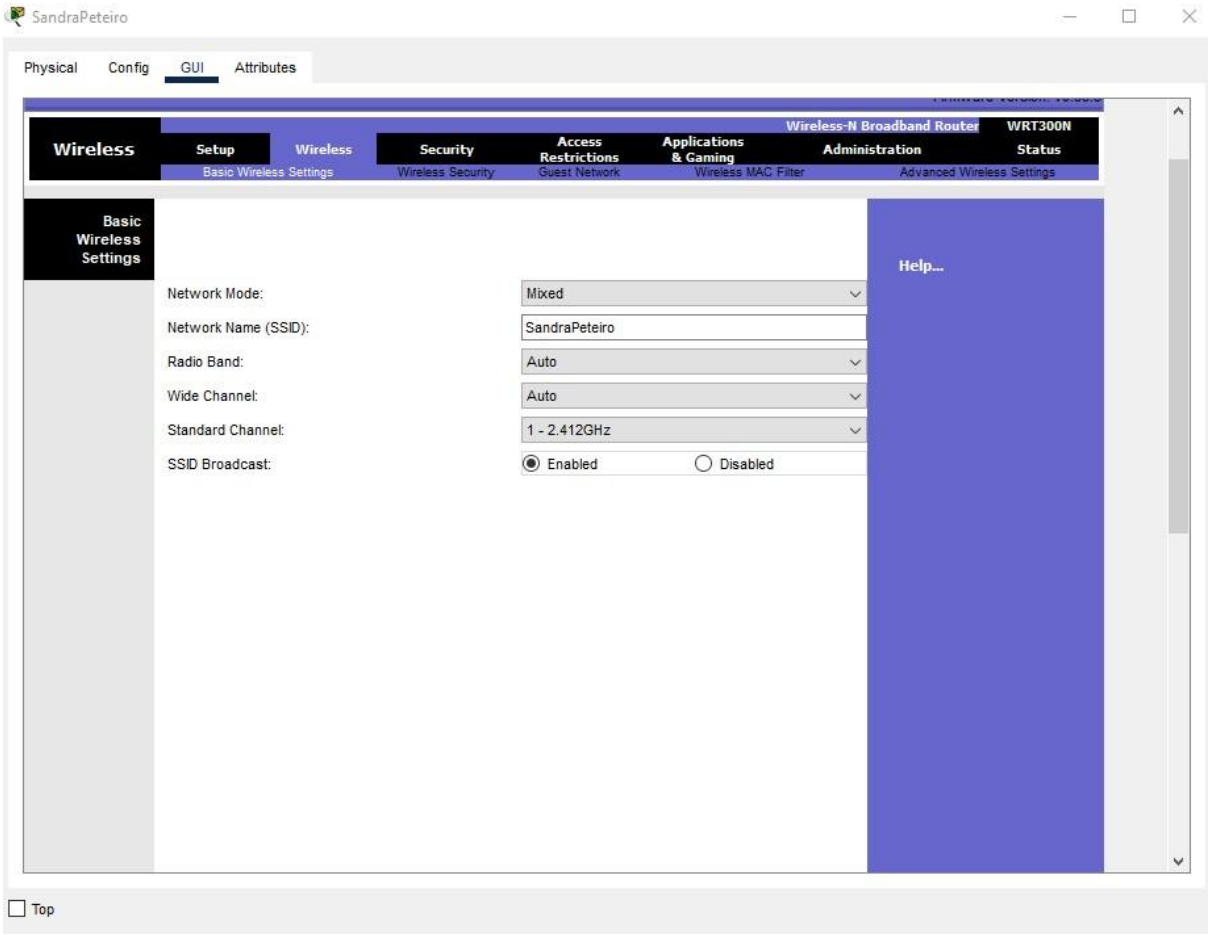
Sandra Peteiro Rodríguez

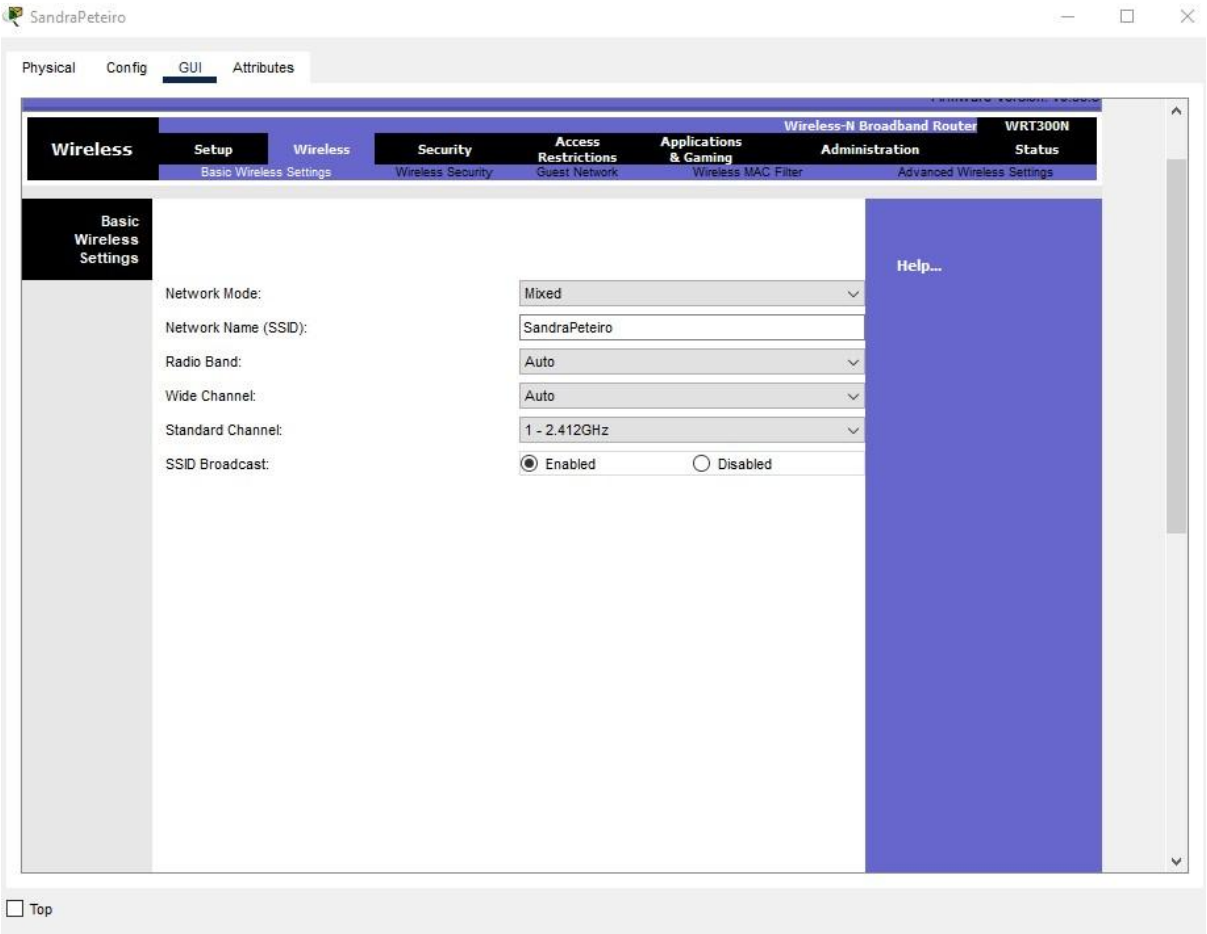
2º DAW

Realizamos una topología de red sencilla.

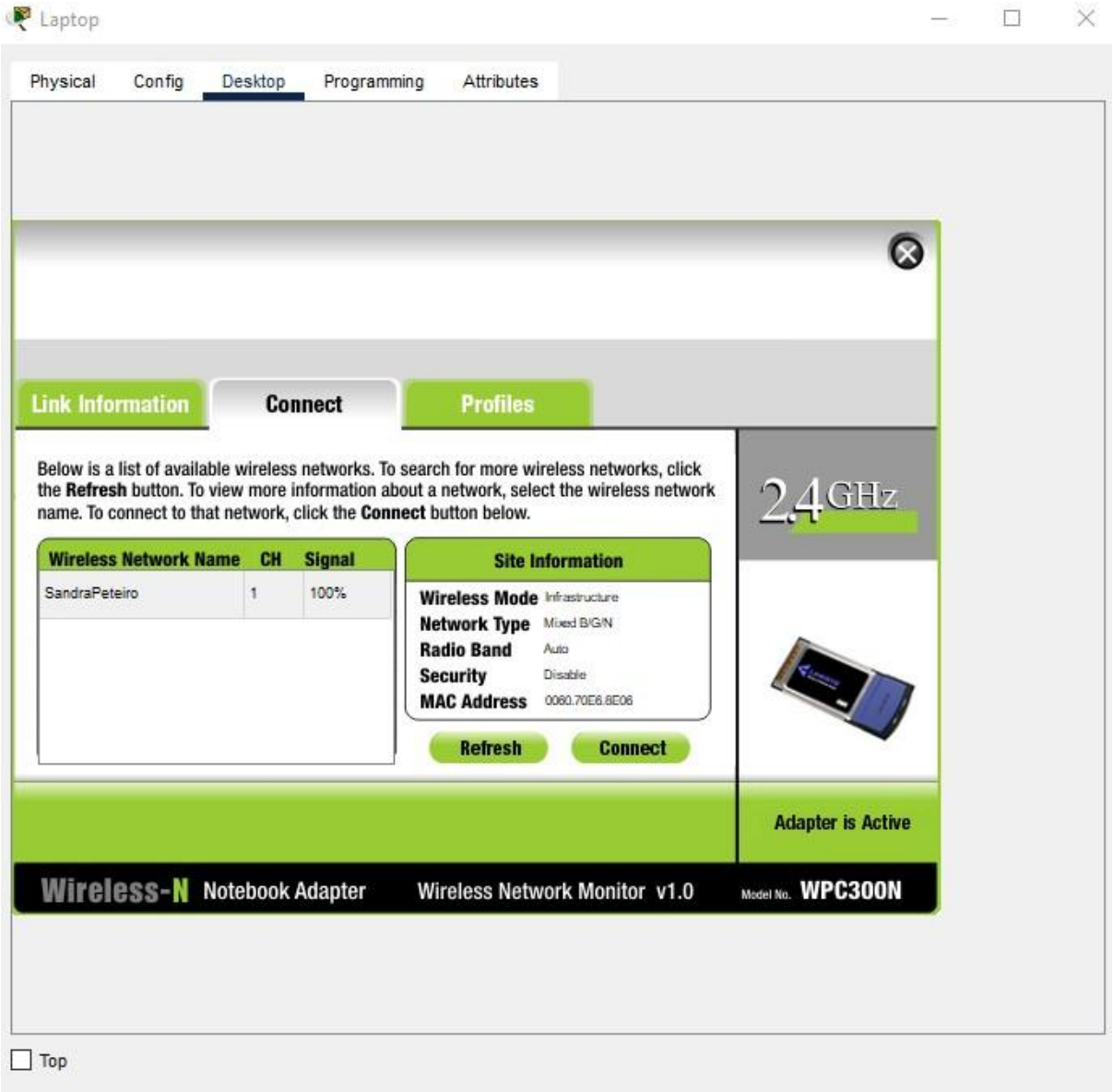


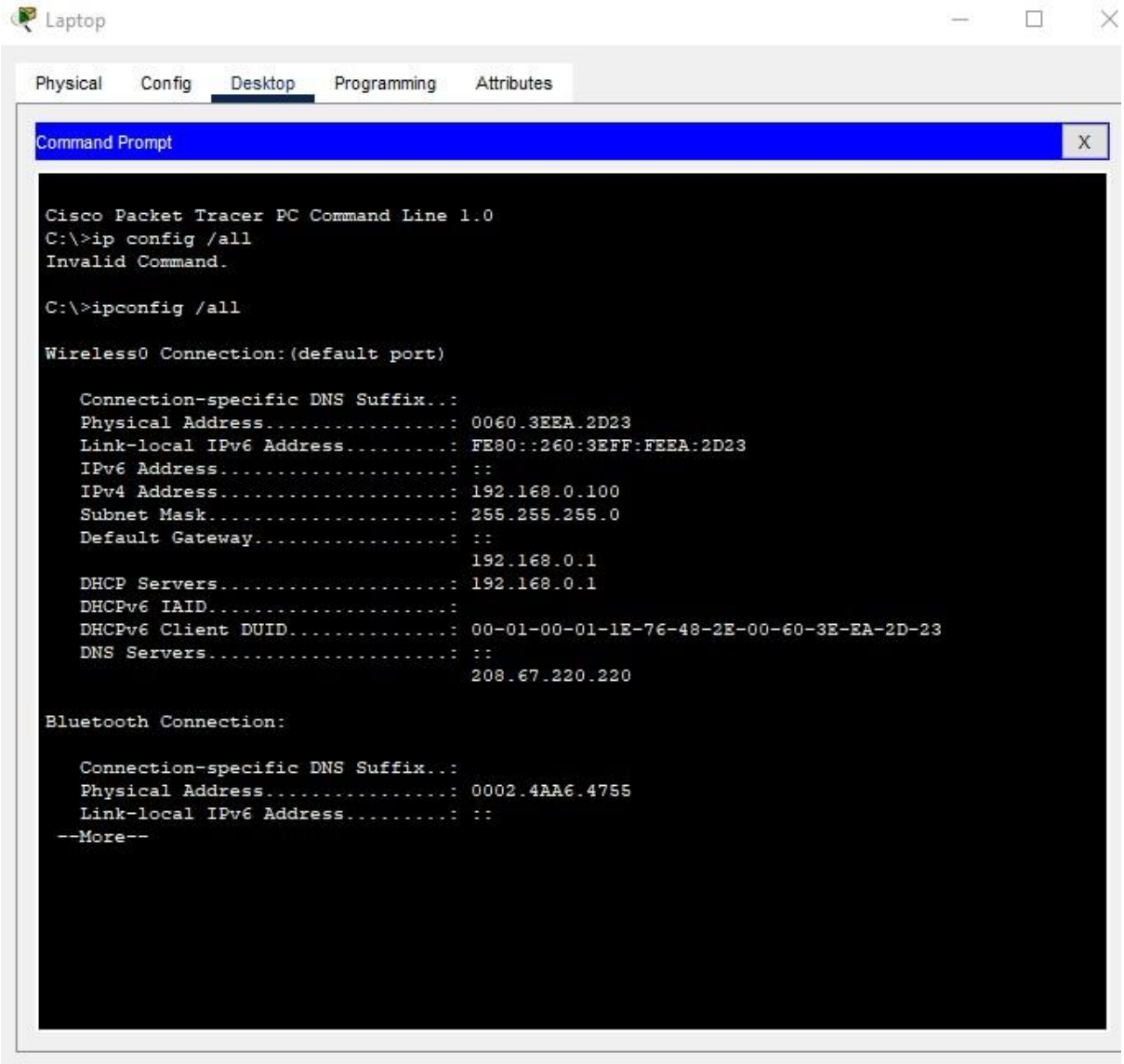
Configuración wireless del router




SandraPeteiro
Physical
Config
GUI
Attributes
Wireless
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Administration
Status
Wireless-N Broadband Router
WRT300N
Basic Wireless Settings
Wireless Security
Guest Network
Wireless MAC Filter
Advanced Wireless Settings
Basic Wireless Settings
Help...
Network Mode:
Mixed
Network Name (SSID):
SandraPeteiro
Radio Band:
Auto
Wide Channel:
Auto
Standard Channel:
1 - 2.412GHz
SSID Broadcast:
Enabled
Disabled
Top

Conexión del portátil a la red wifi

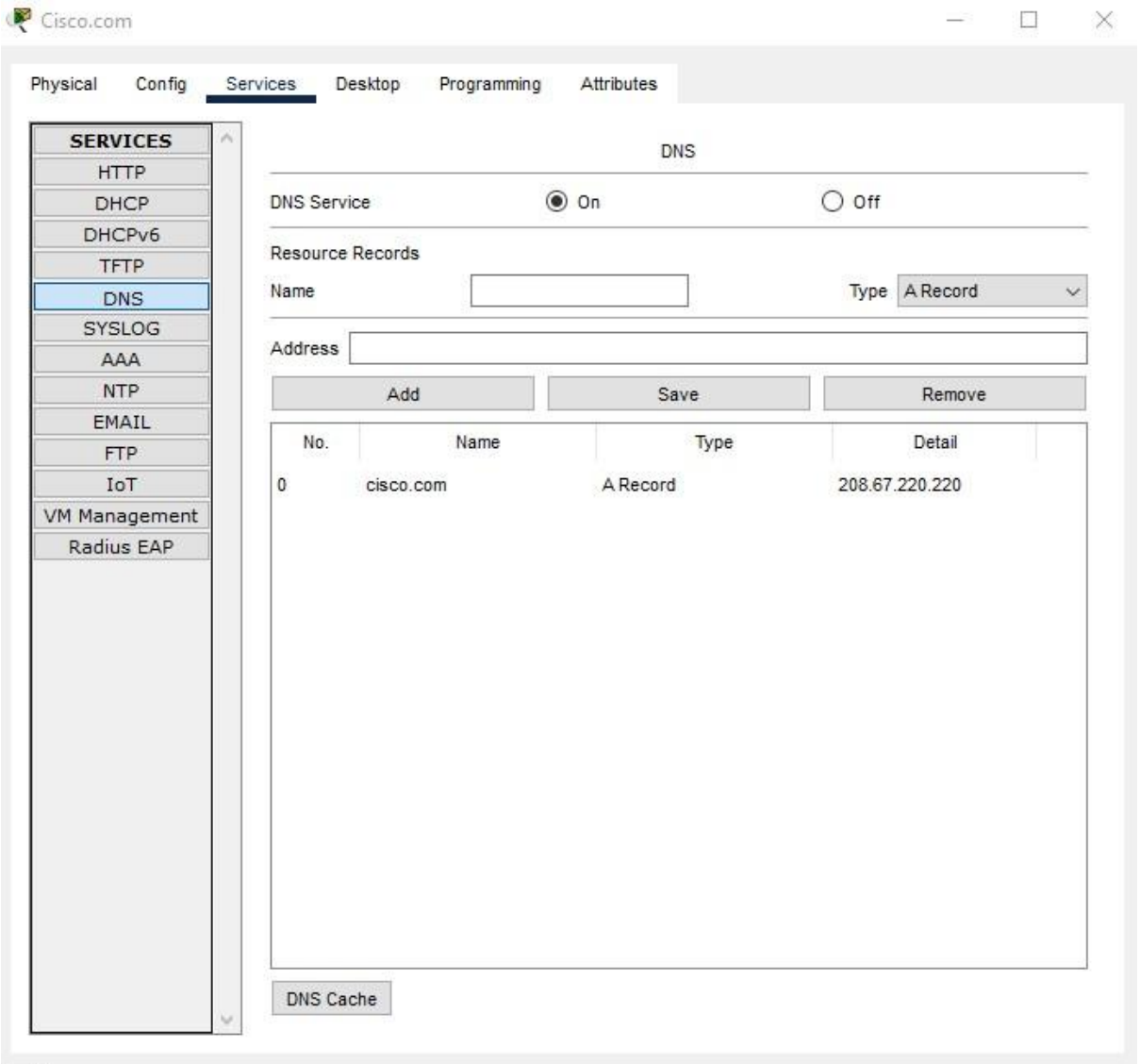



Laptop
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ip config /all
Invalid Command.
C:\>ipconfig /all
Wireless0 Connection:(default port)
Connection-specific DNS Suffix..:
Physical Address.....: 0060.3EEA.2D23
Link-local IPv6 Address.....: 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--

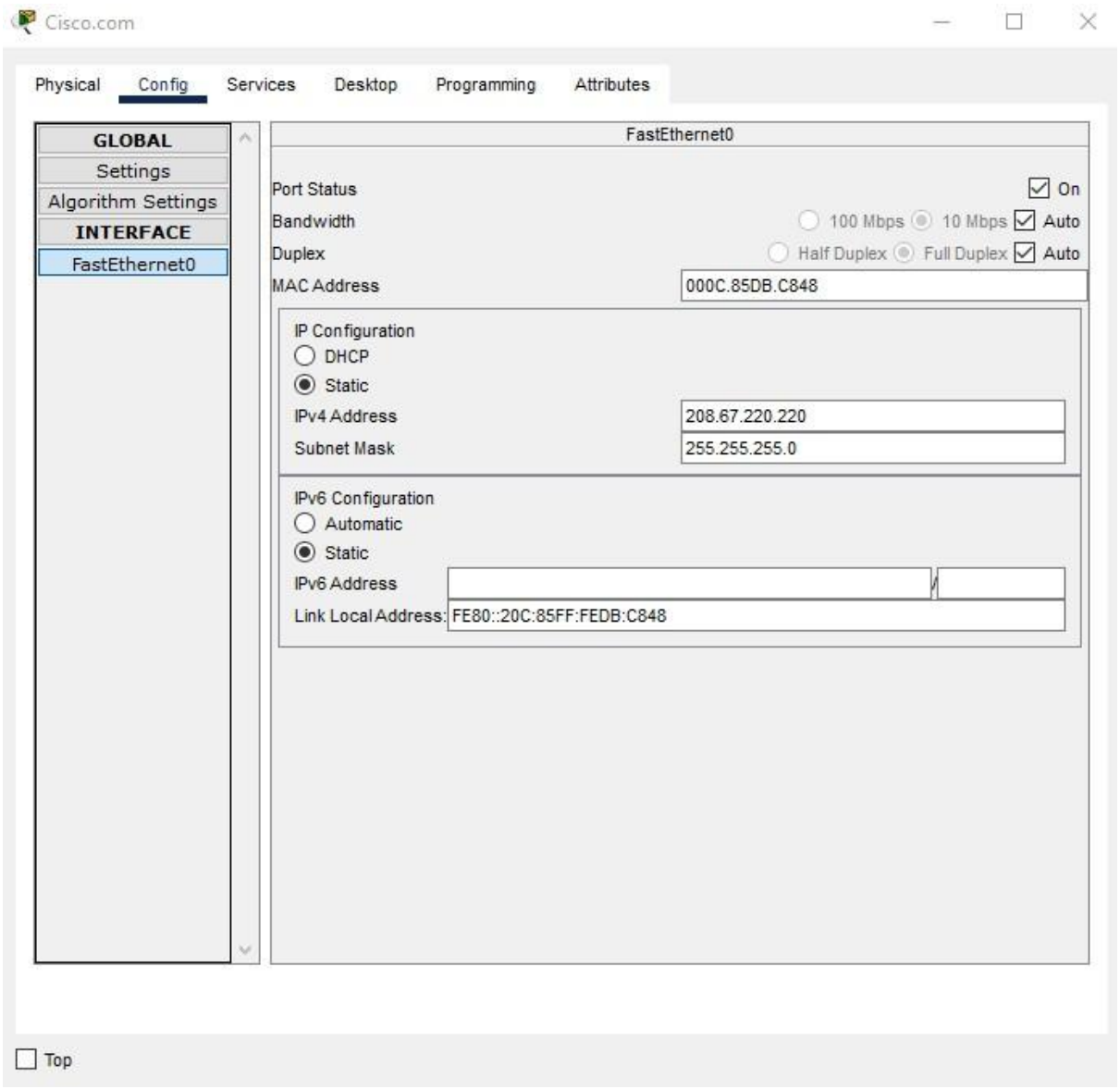
Comando ipconfig del PC

```
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.........: ::
```

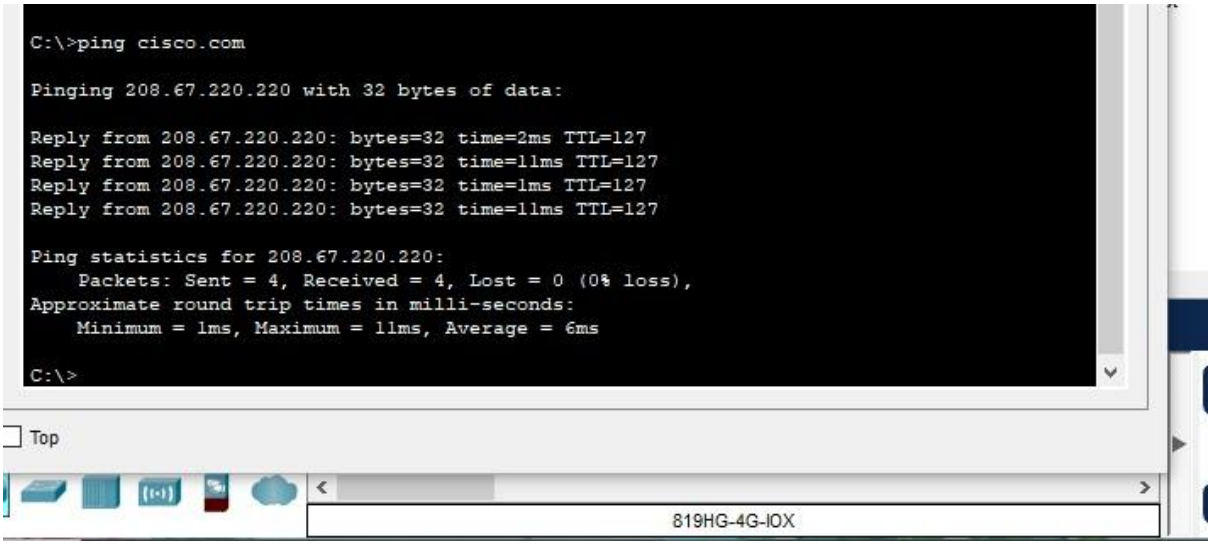
Services DNS configurado en el servidor



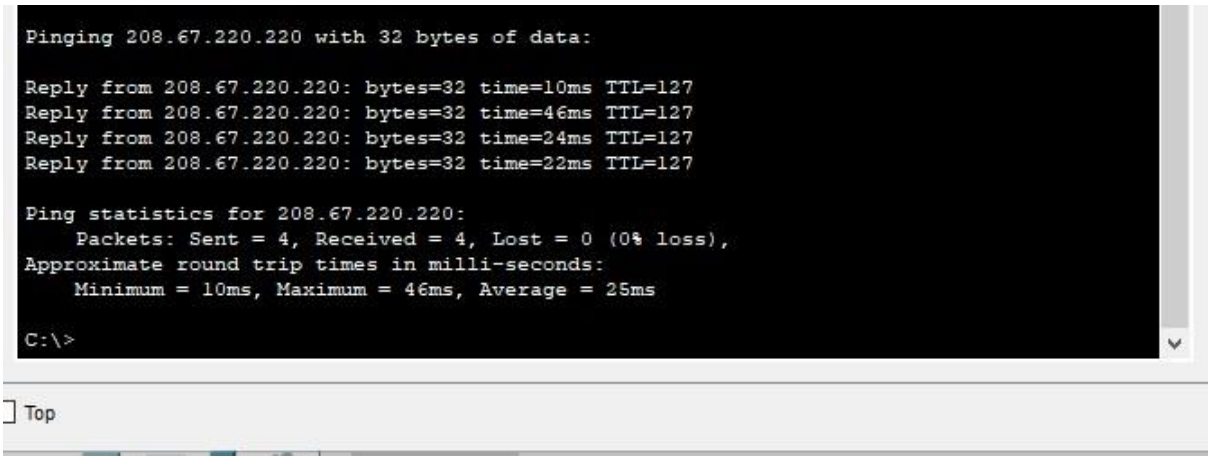
FastEthernet0 configurado en el servidor



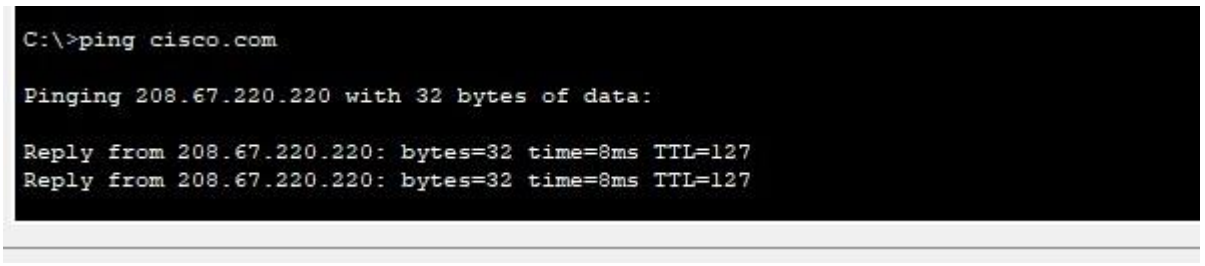
Comando ping desde el PC

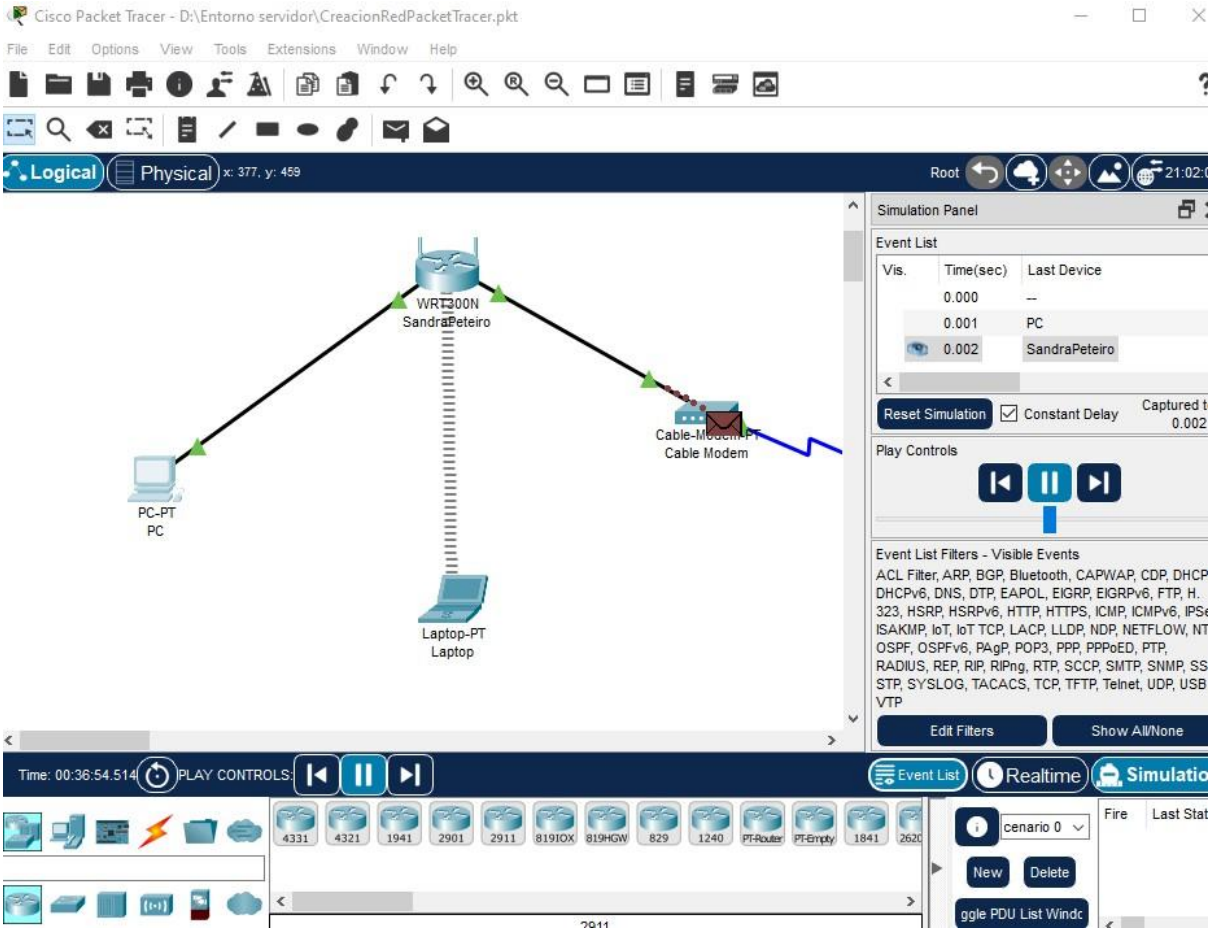


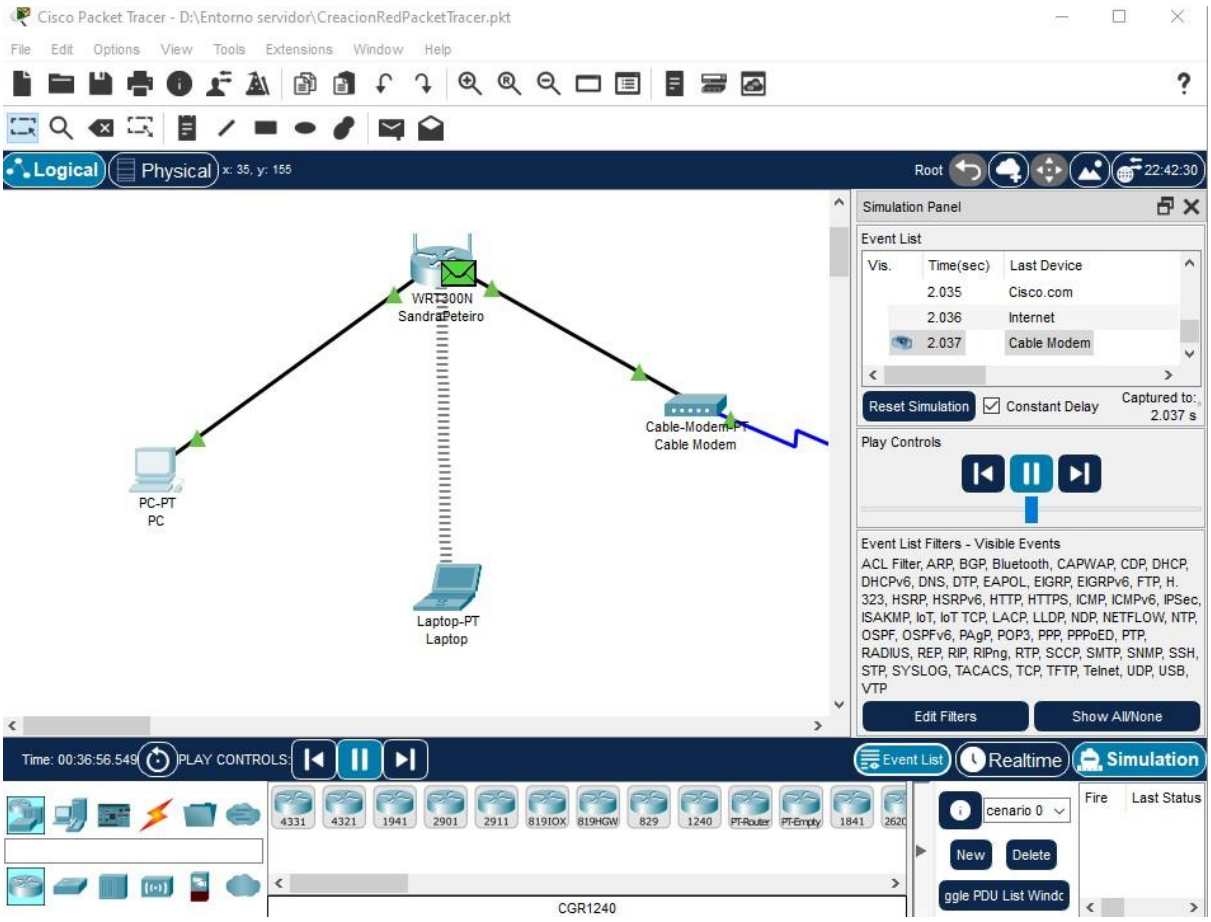
Comando ping desde el portátil



Simulación (con ping)

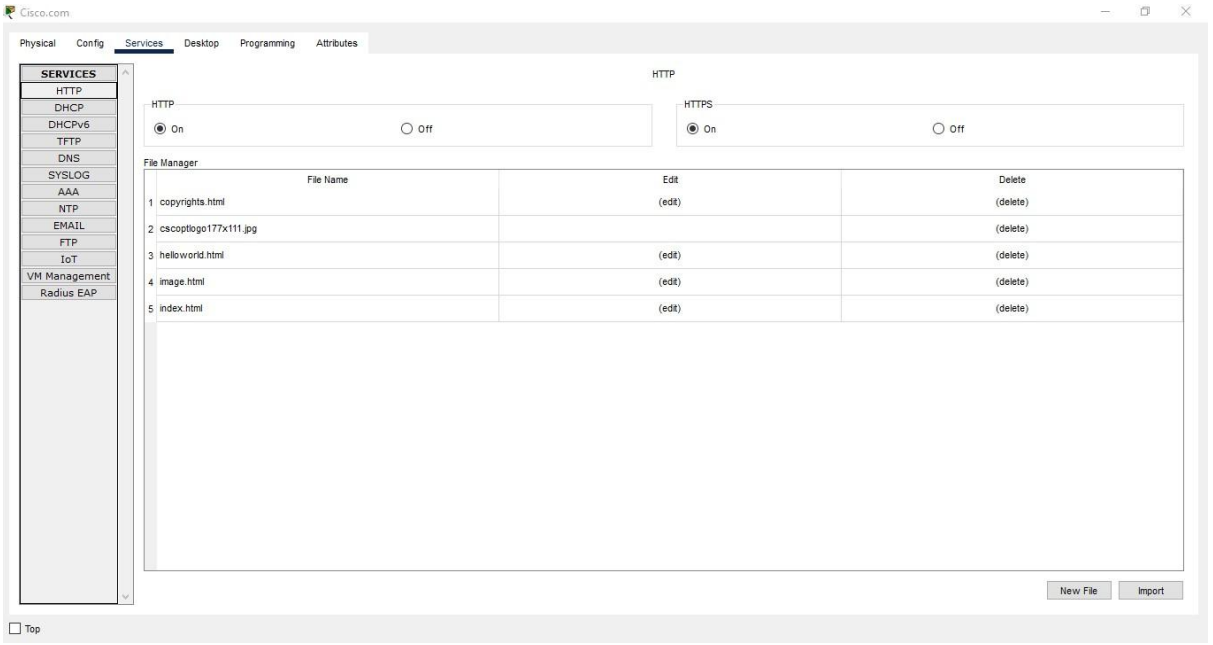



Cisco Packet Tracer - D:\Entorno servidor\CreacionRedPacketTracer.pkt
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 377, y: 459
Root
WRT300N
SandraPeteiro
Cable-Modem-PT
Cable Modem
PC-PT
PC
Laptop-PT
Laptop
Simulation Panel
Event List
Vis. Time(sec) Last Device
0.000 --
0.001 PC
0.002 SandraPeteiro
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, IPS
ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NT
OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, 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
Simulatio
4331 4321 1941 2901 2911 819IOX 819HGW 829 1240 PT-Router PT-Empty 1841
cenario 0
New
Delete
ggle PDU List Windc
Fire
Last Stat

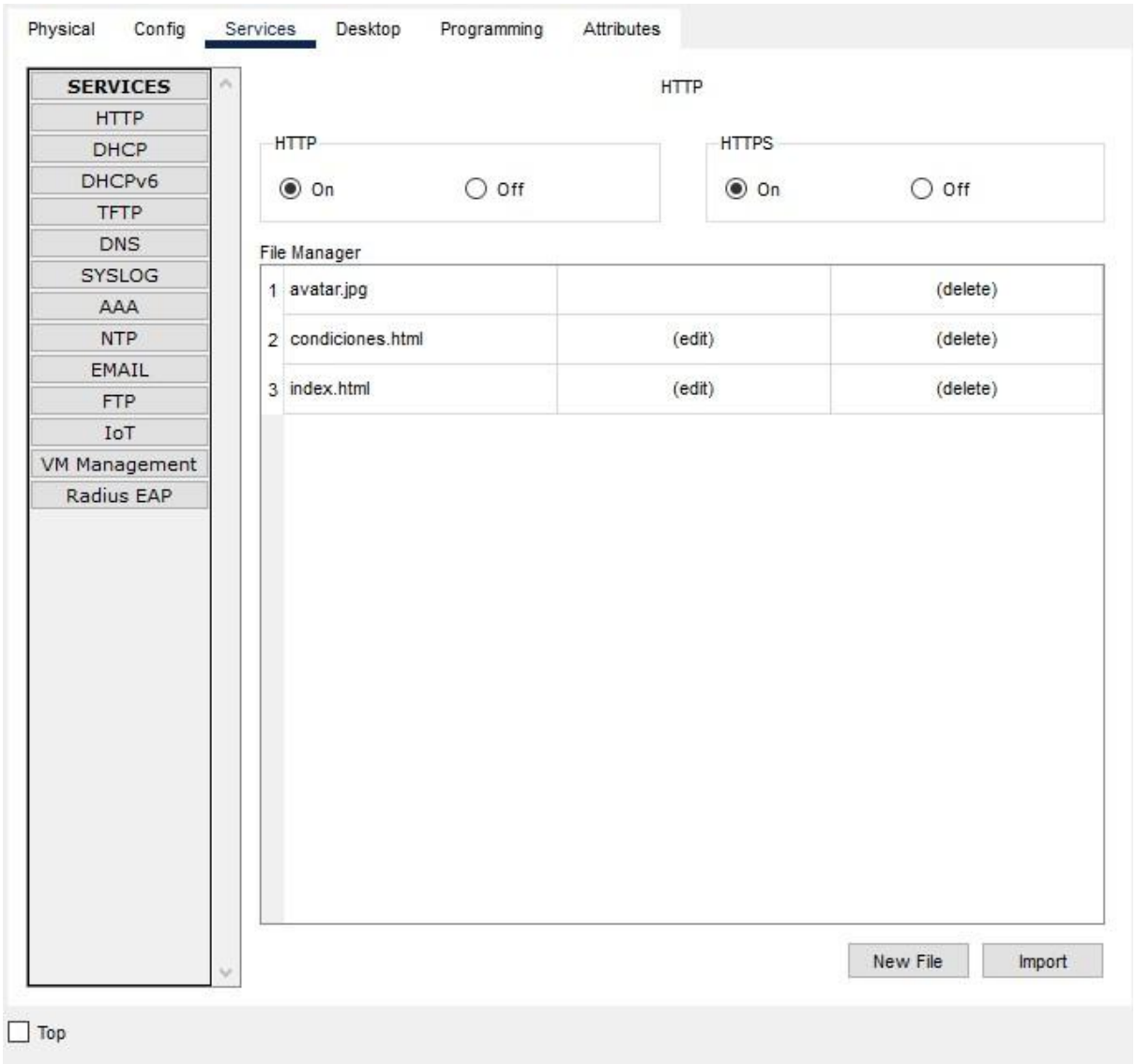


Captura de paquetes Event List

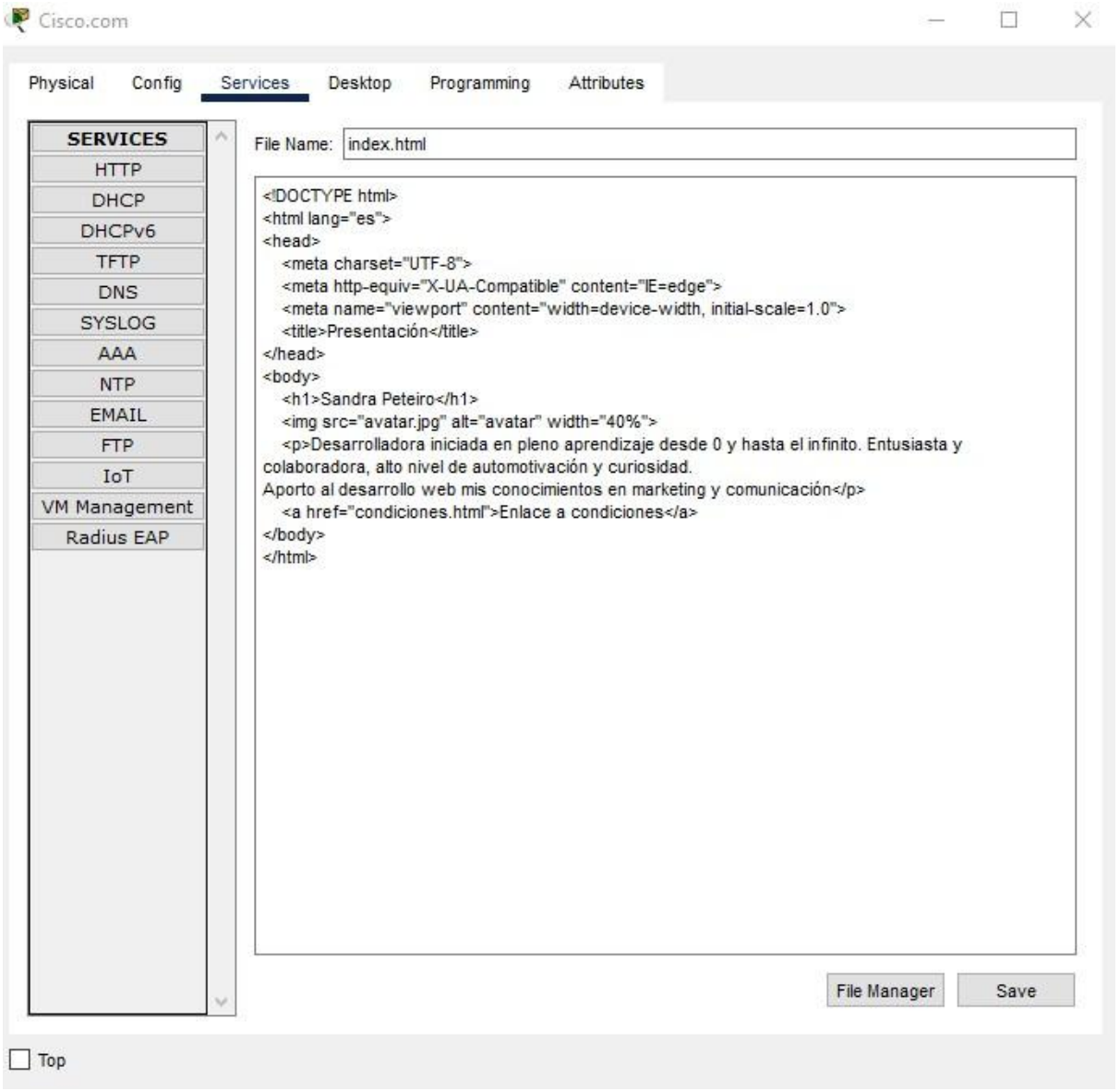
Ficheros que se están sirviendo



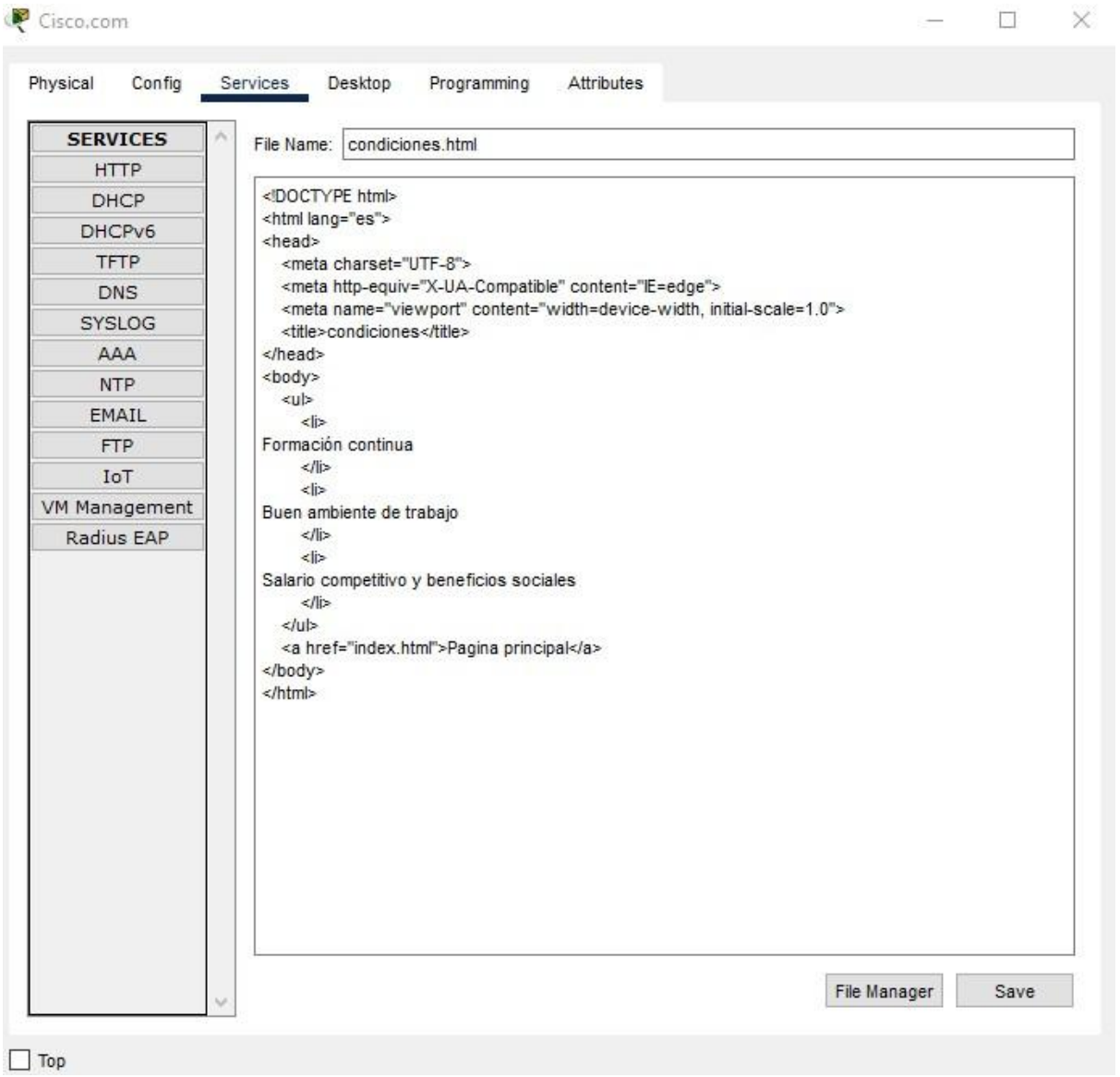
Services >HTTP del servidor

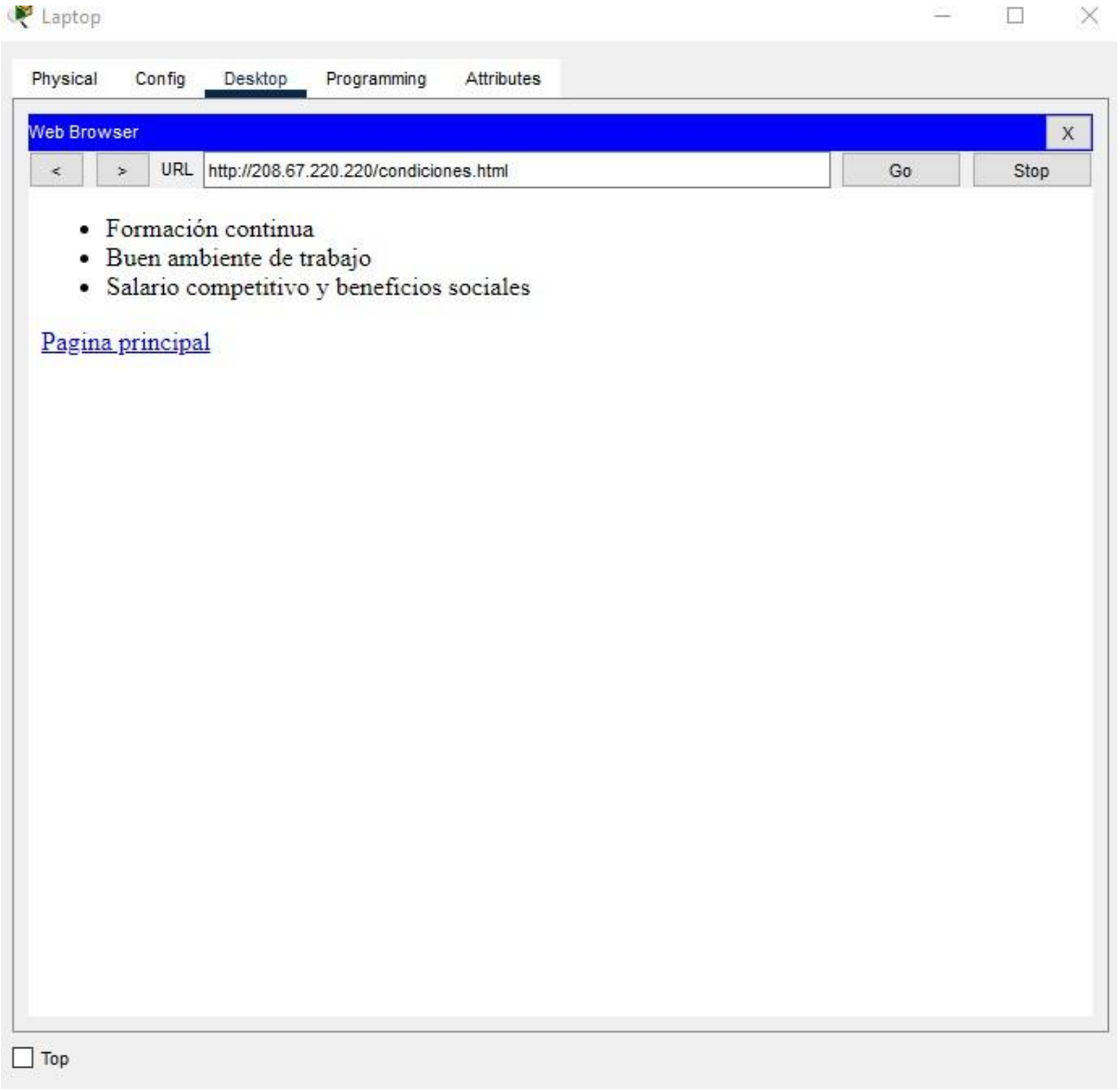


Código fuente index.html



Código fuente condiciones



Captura web desde el portátil

Captura condiciones desde el portátil