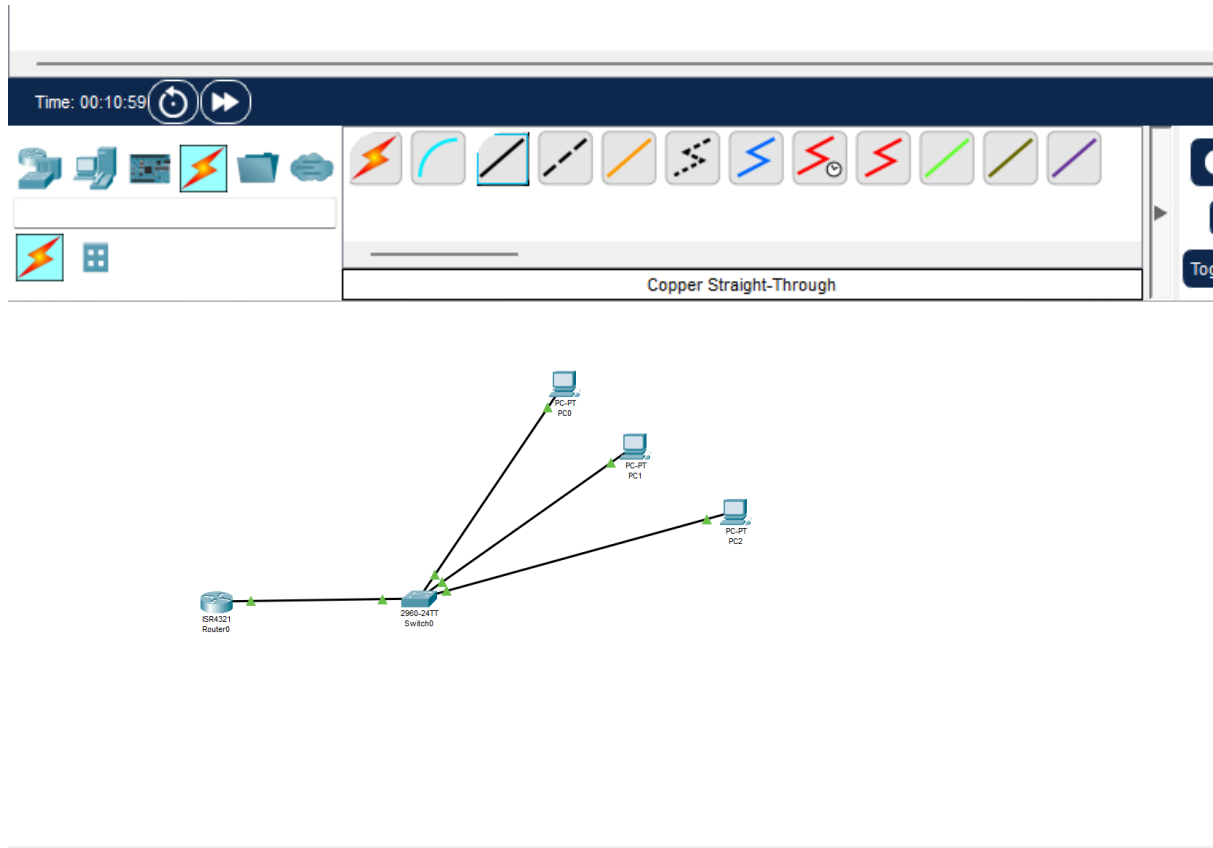


Laboratorio 15 16 17 Y 18 Cisco Packet Tracer Cursos Ciberseguridad

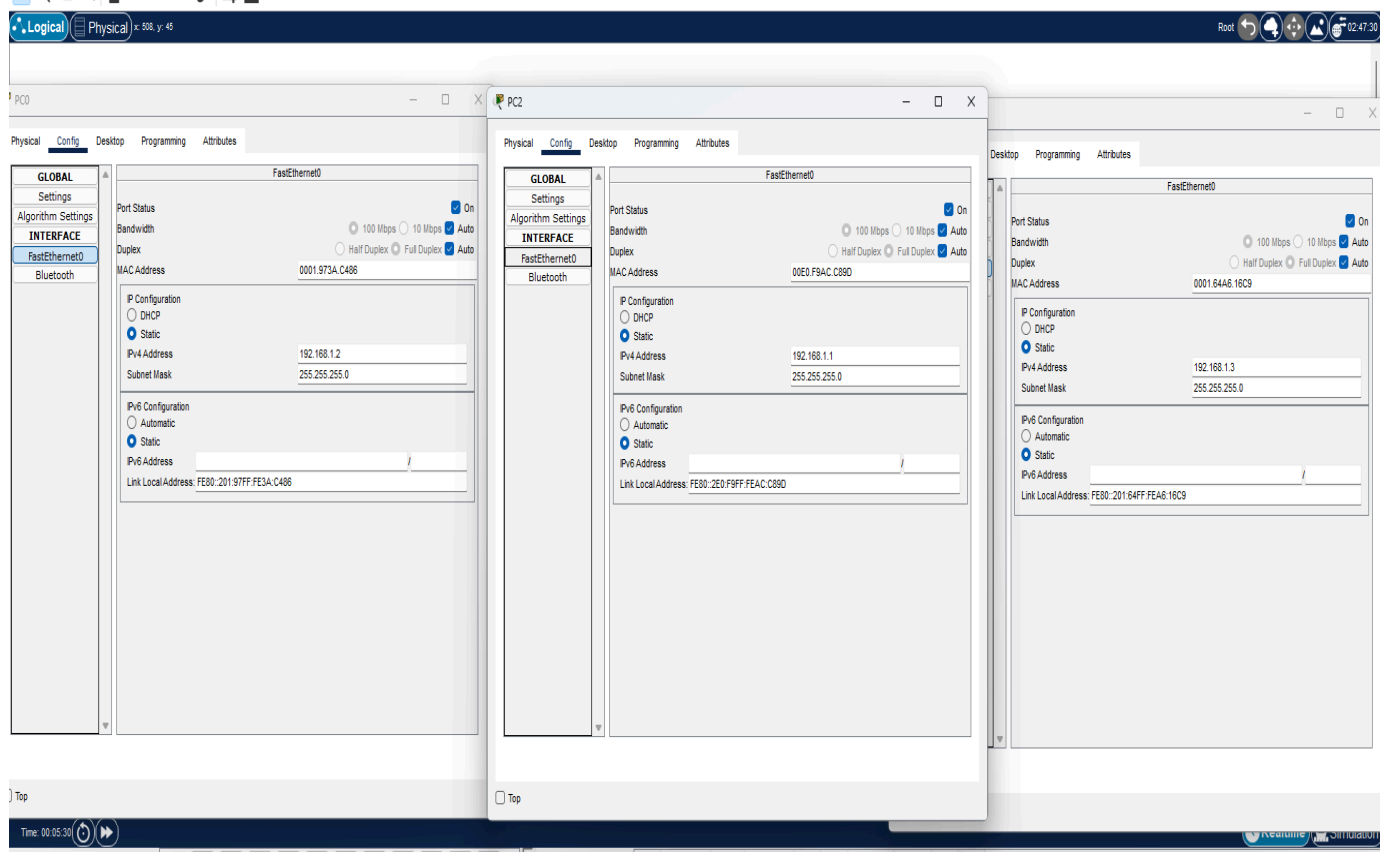
Sesión #15 16 17 Y 18 Cisco

Jesús Rodrigo Toro Navarro
Universidad Popular del Cesar
Facultad de Ingeniería y Tecnológica

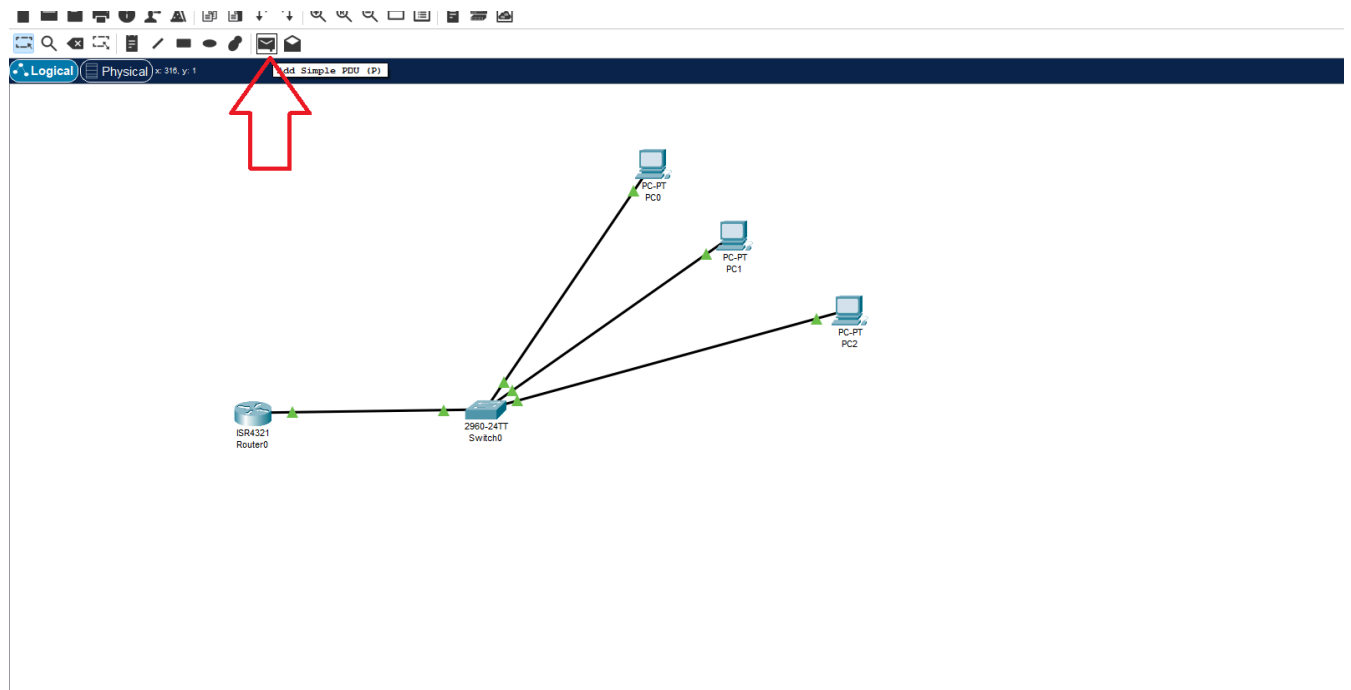
Primero para realizar este ejercicio usaremos cisco packet tracer donde usaremos un router 4321, un switch y tres pc y los unimos con la tercera línea la cooper straight-through



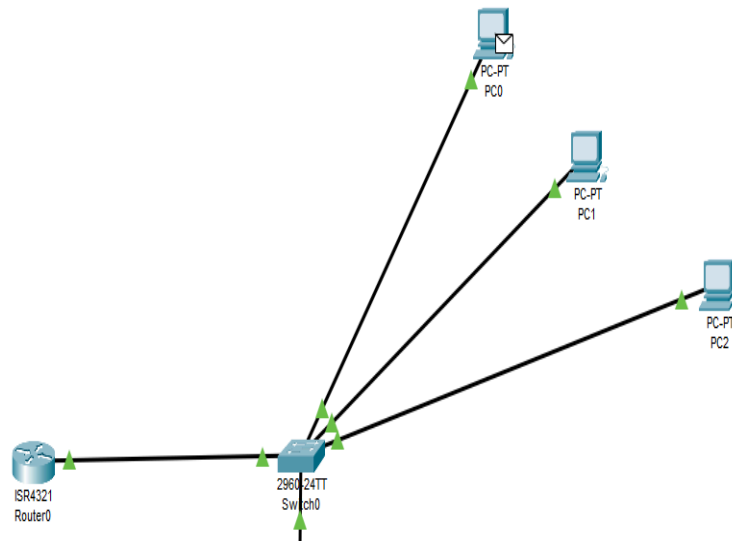
En los pc configuramos el ipv4 de cada uno



Después le damos a lo siguiente para probar la conexión entre pc



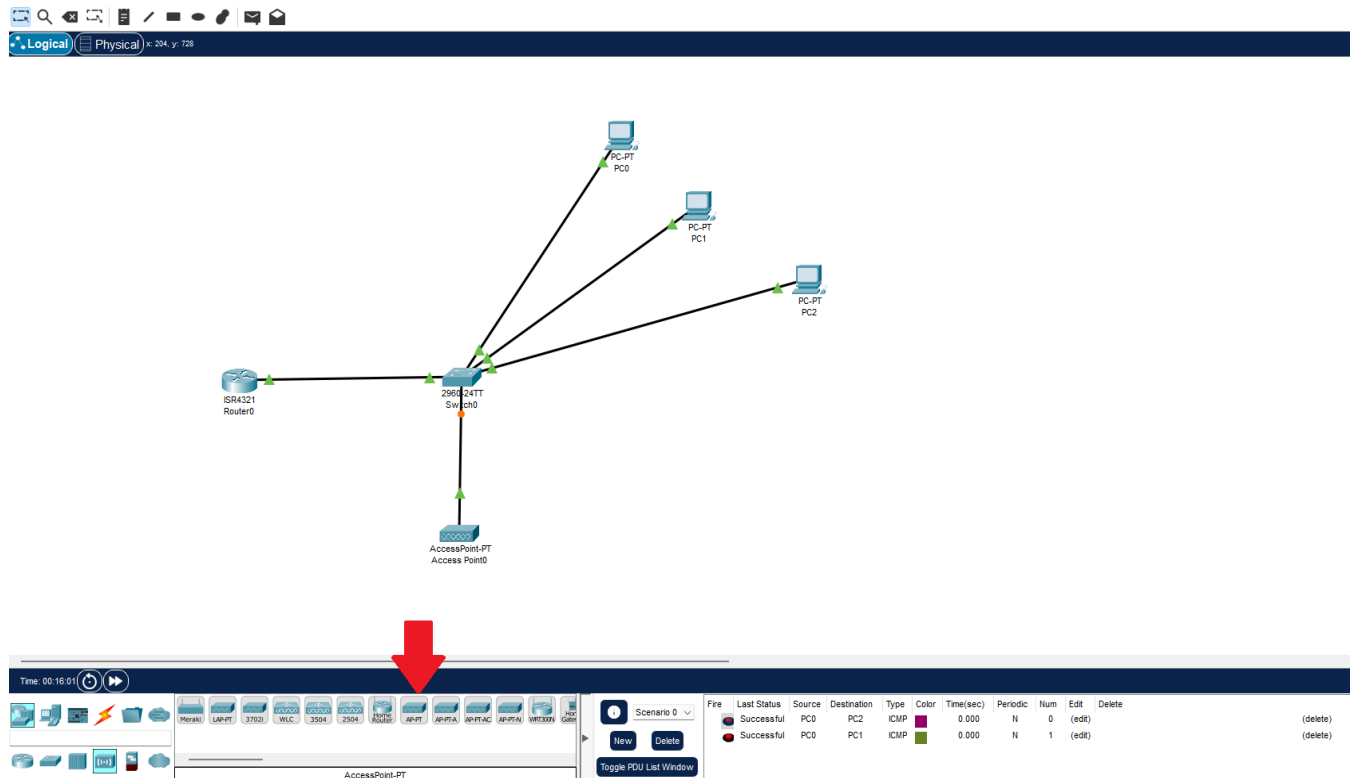
Y arrastramos el paquete que nos sale



Y nos saldría este resultado

											Realtime	Simulation
Scenario 0												
New Delete												
Toggle PDU List Window												
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete		
	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	(delete)		
	Successful	PC0	PC1	ICMP		0.000	N	1	(edit)	(delete)		

Ahora vamos a por un access point para la siguiente parte



Lo colocamos y configuramos, click derecho, nos vamos a config, port 1, cambiamos el nombre del SSID por UPC_ESTUDIANTES, 2.4 GHz Channel por 11, le hundimos a WPA2-PSK y en la PSK Pass Phrase colocamos cualquier contraseña ejemplo 12345678

Access Point0

Physical

Config

Attributes

GLOBAL

Settings

INTERFACE

Port 0

Port 1

Port 1

Port Status

On

SSID

UPC_ESTUDIANTES

2.4 GHz Channel

11

Coverage Range (meters)

140,00

Authentication

Disabled

WPA-PSK

WEP

WPA2-PSK

WEP Key

PSK Pass Phrase

12345678

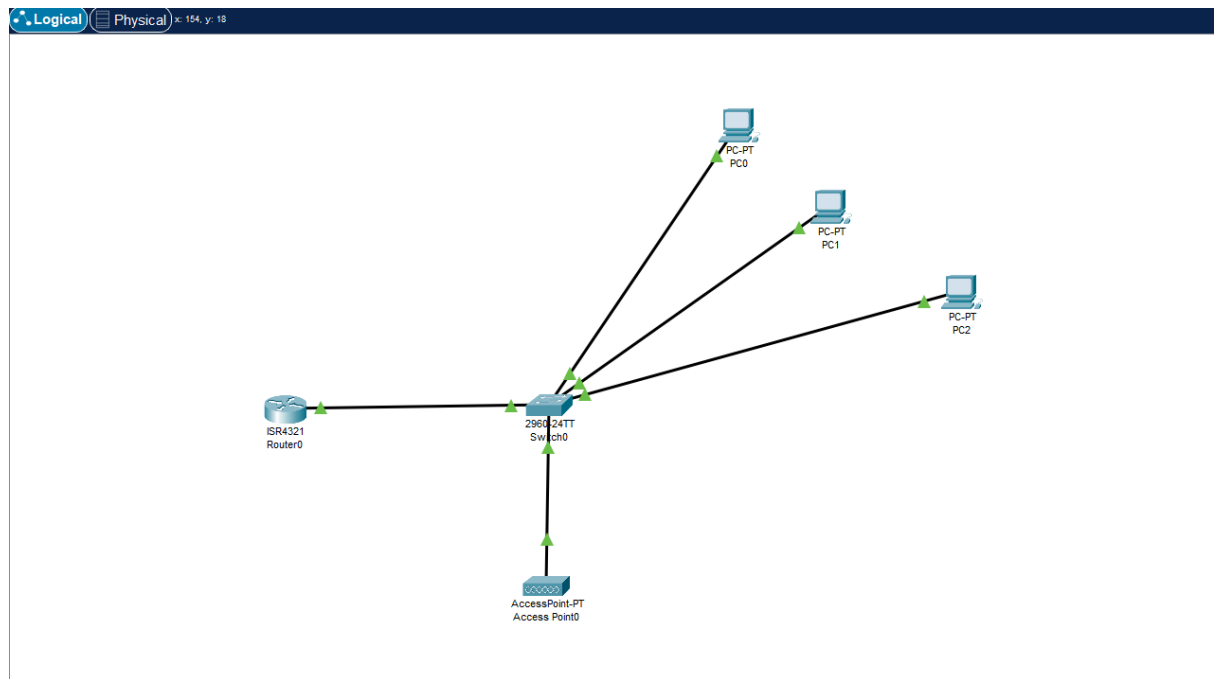
User ID

Password

Encryption Type

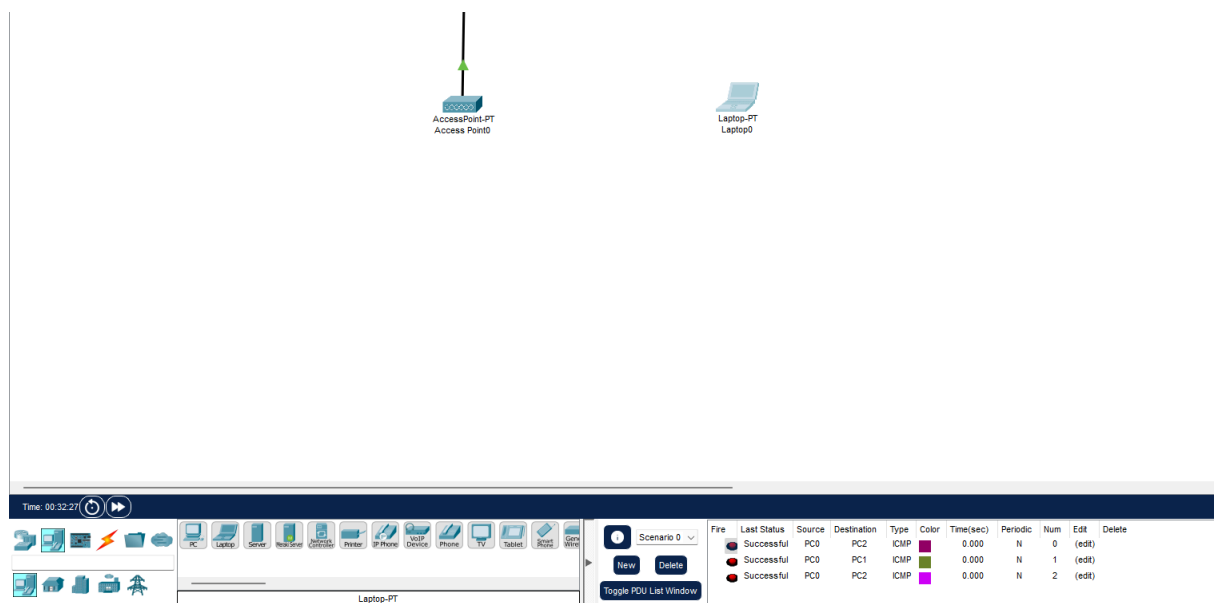
AES

Top

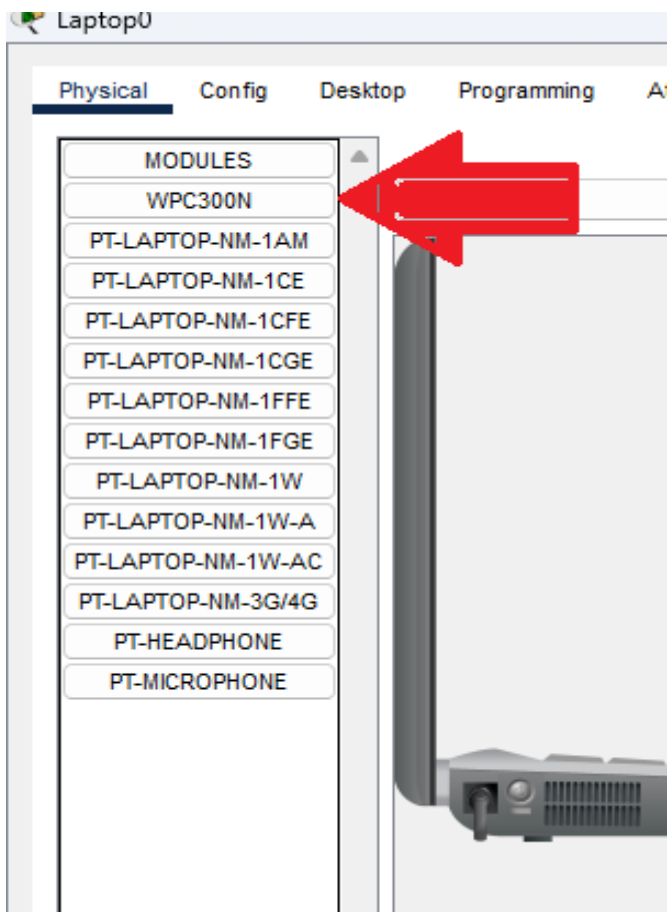
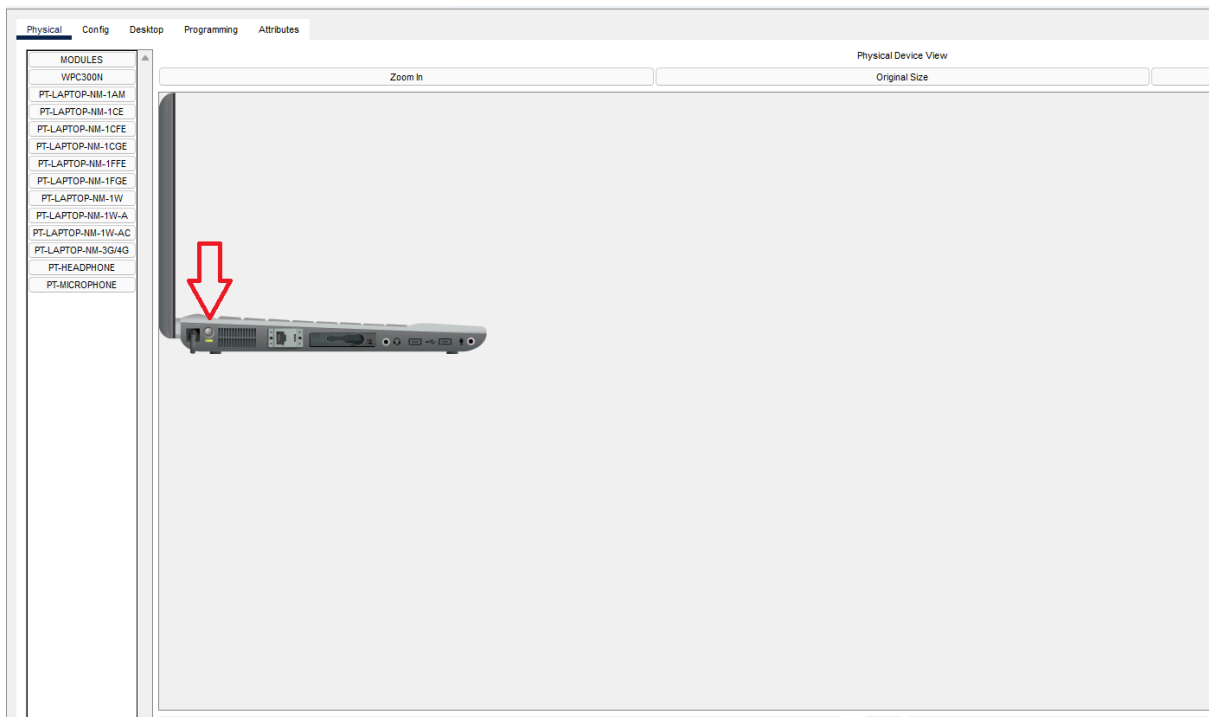


Ahora vamos a configurar una laptop

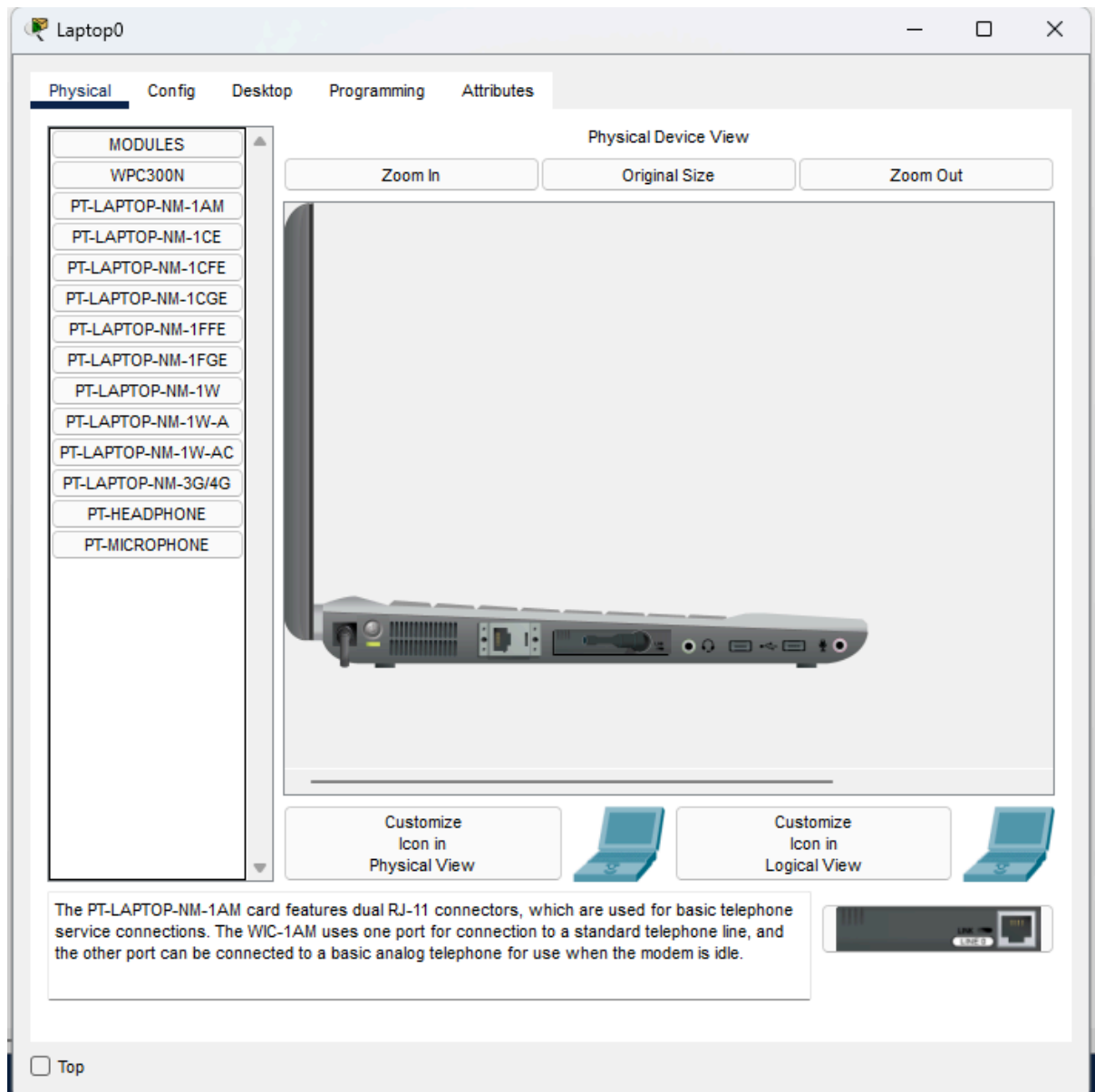
Nos vamos a laptop y la colocamos en el cisco le damos, click derecho



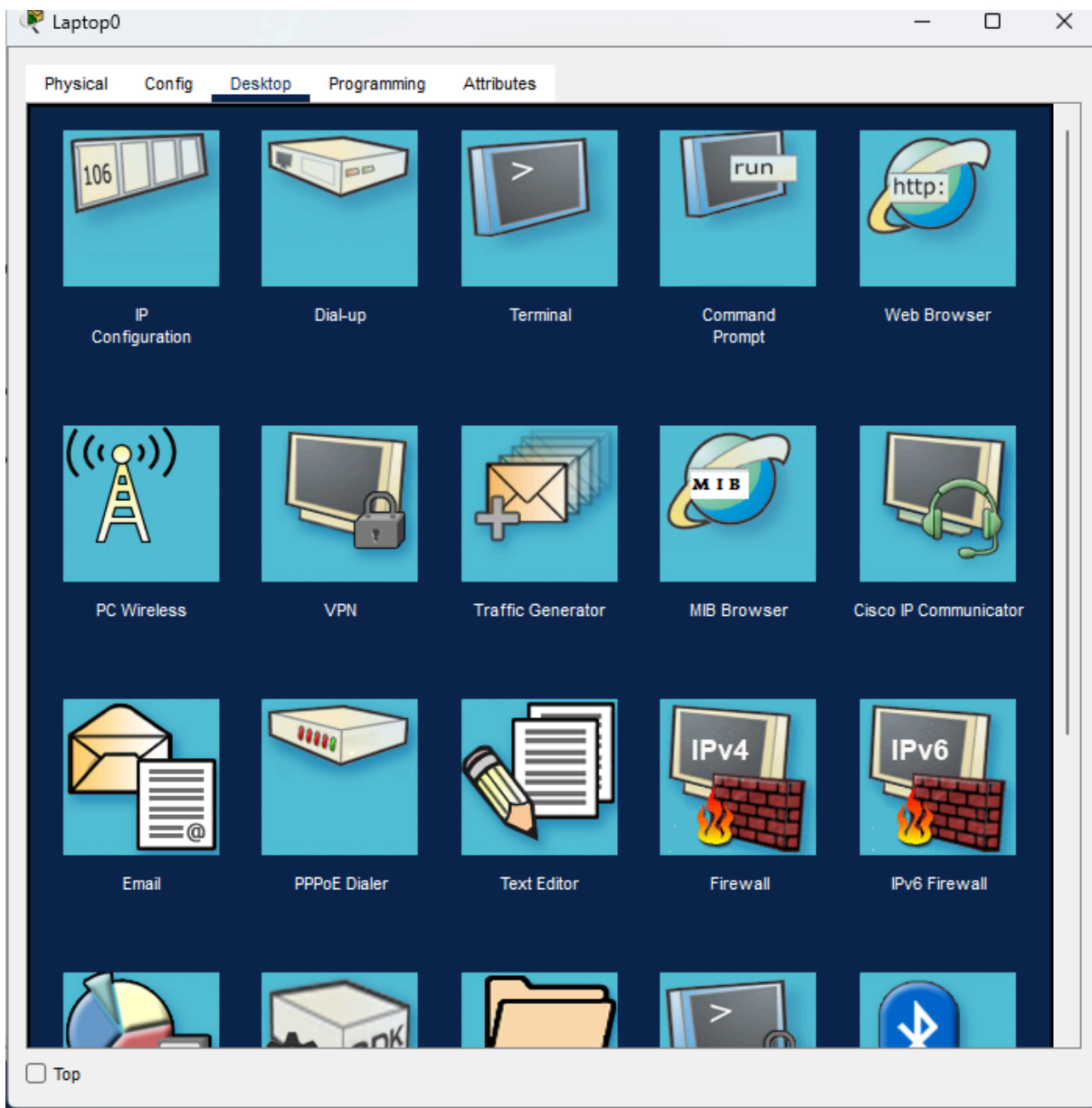
Una vez dentro lo apagamos hundiendole el botón señalado y colocamos el WPC300N



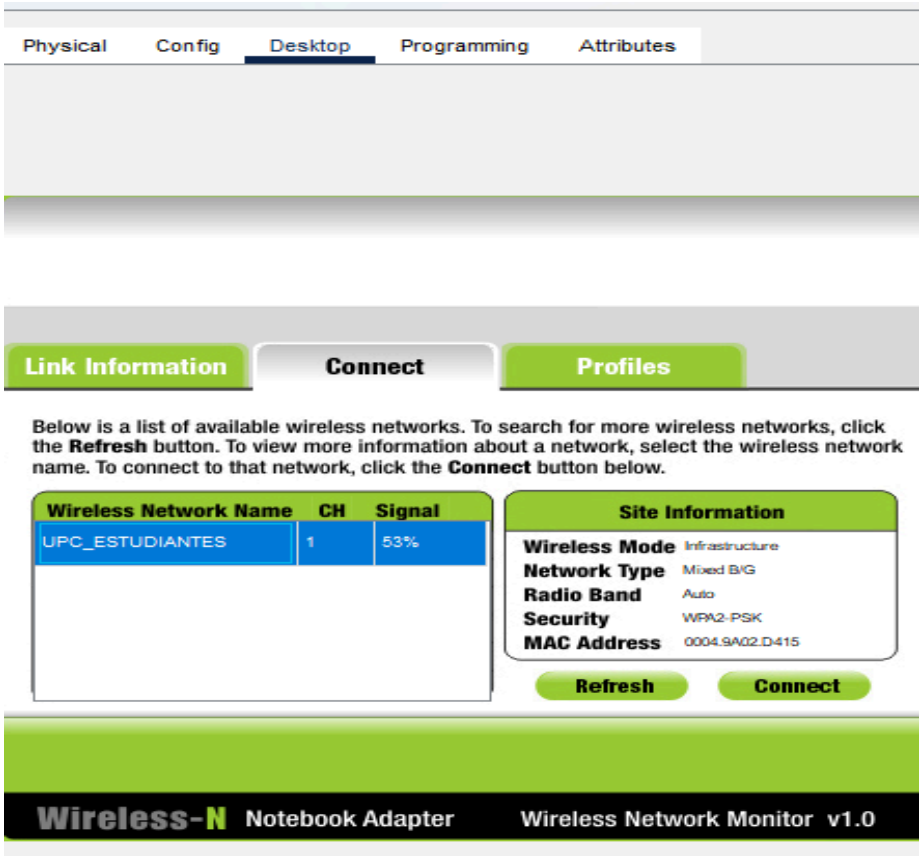
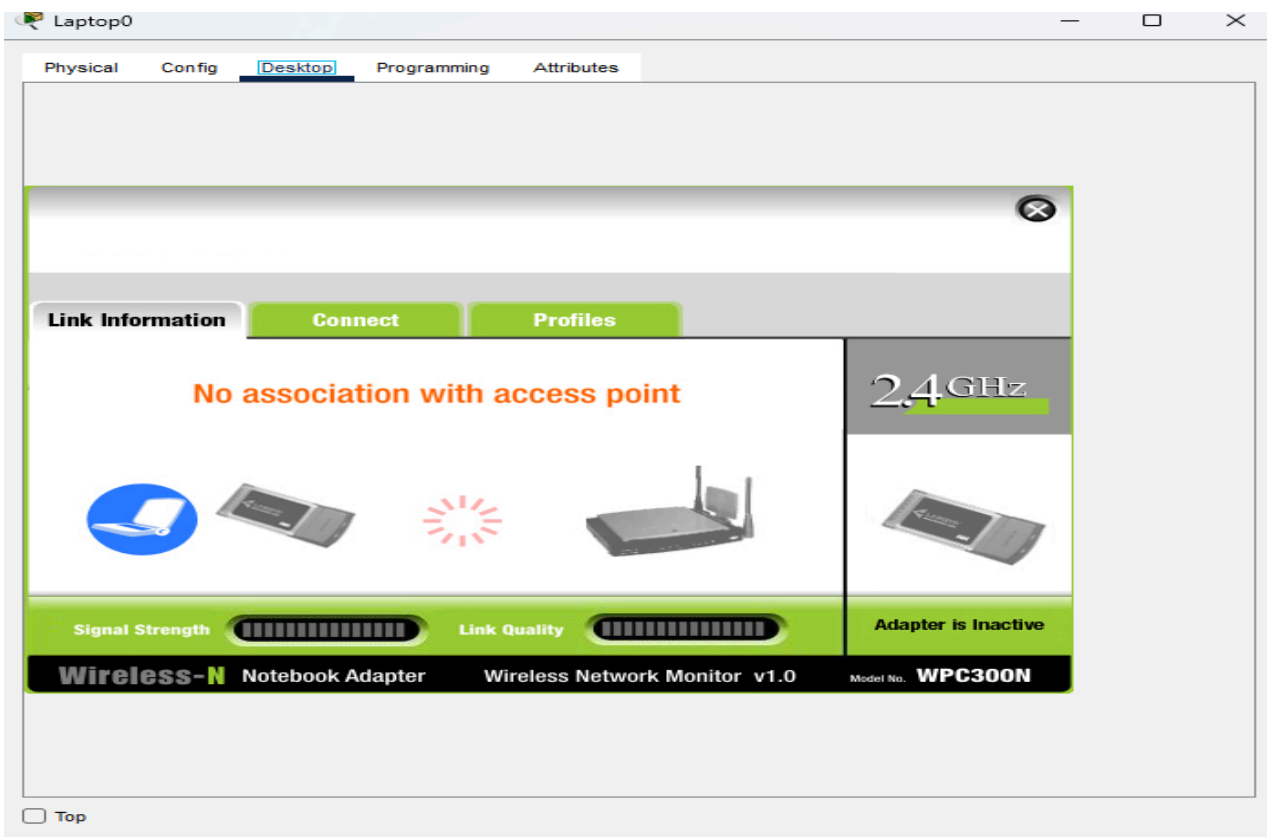
La colocamos en el espacio vacío

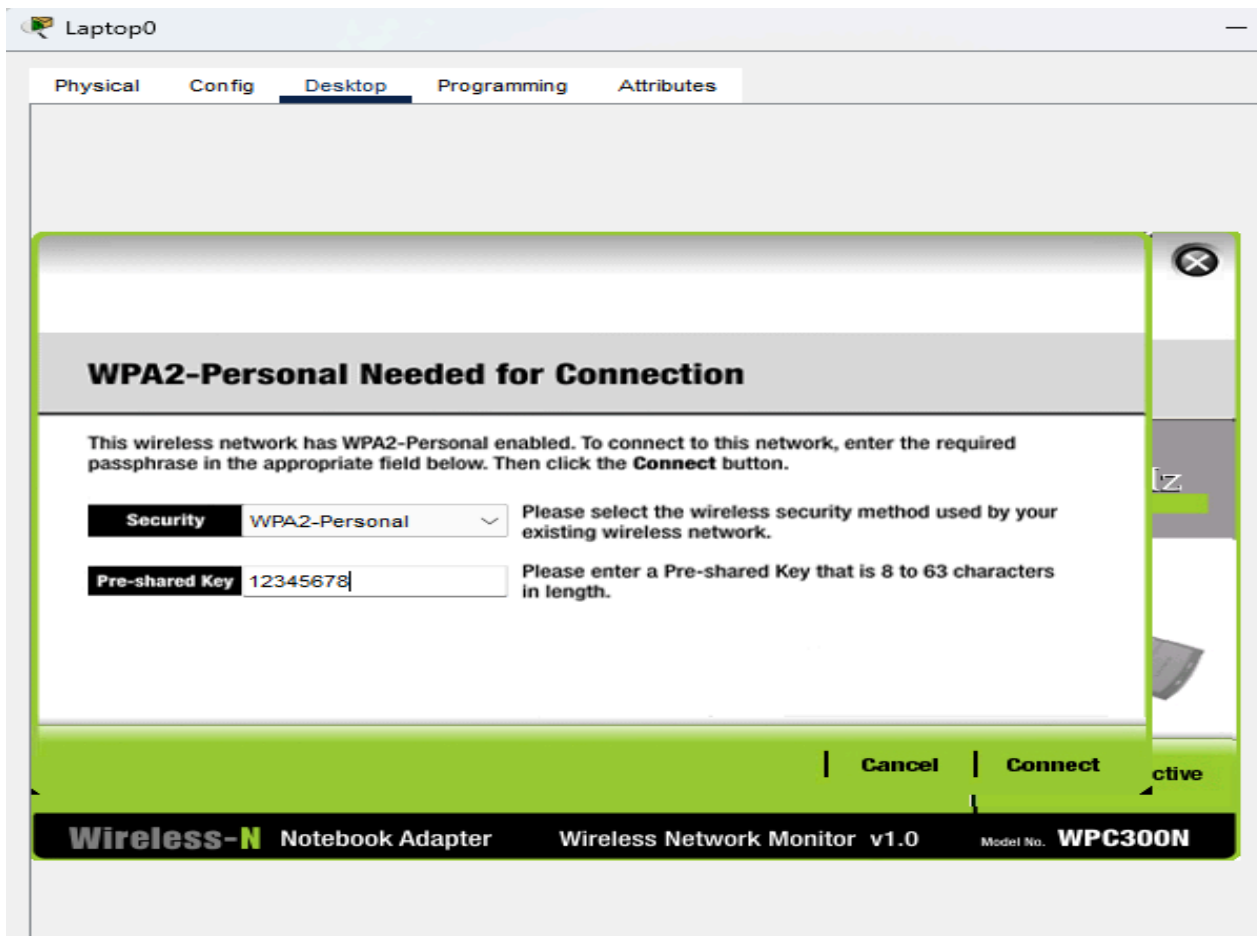
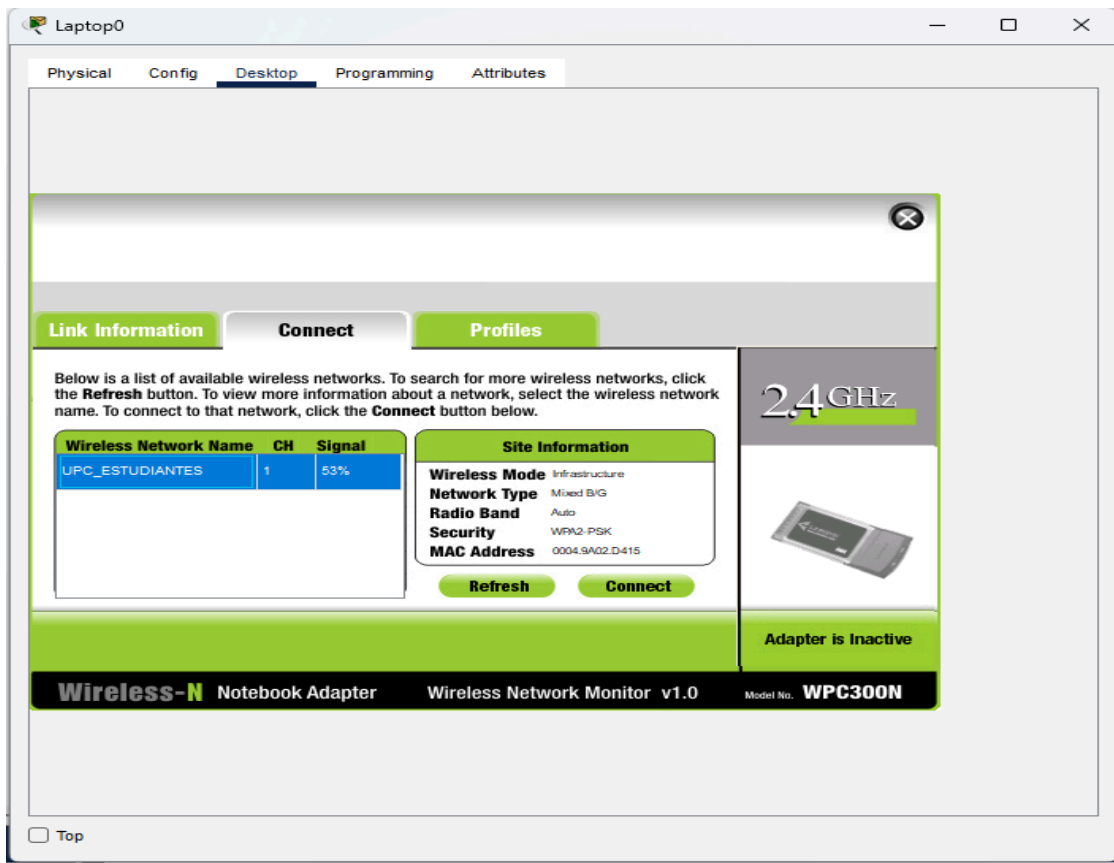


Nos vamos a desktop y le hundimos a PC Wireless

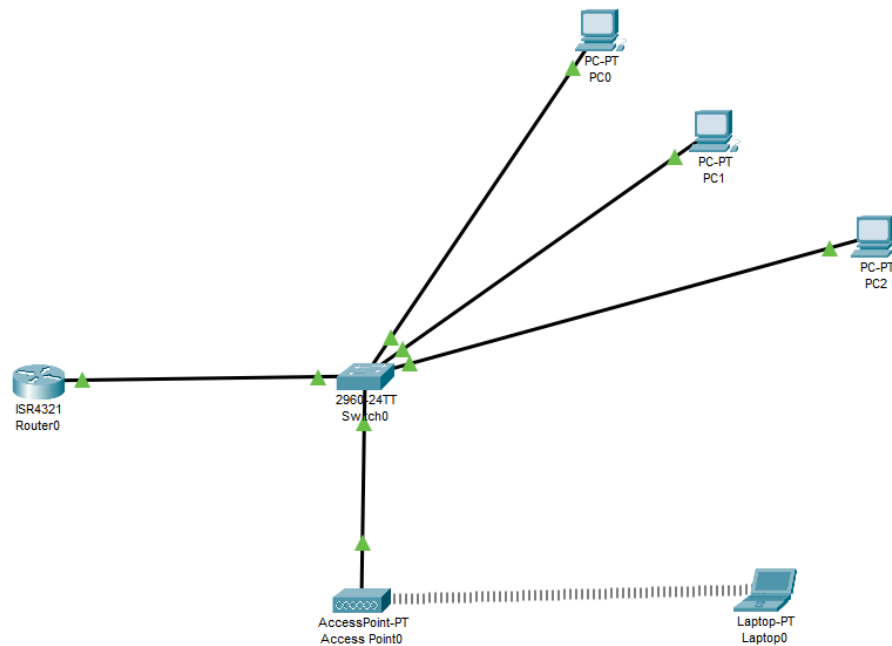


Una vez abierto le damos a connect, luego a refresh para que se nos muestre nuestro access point, le damos a conectar y colocamos la contraseña introducida anteriormente

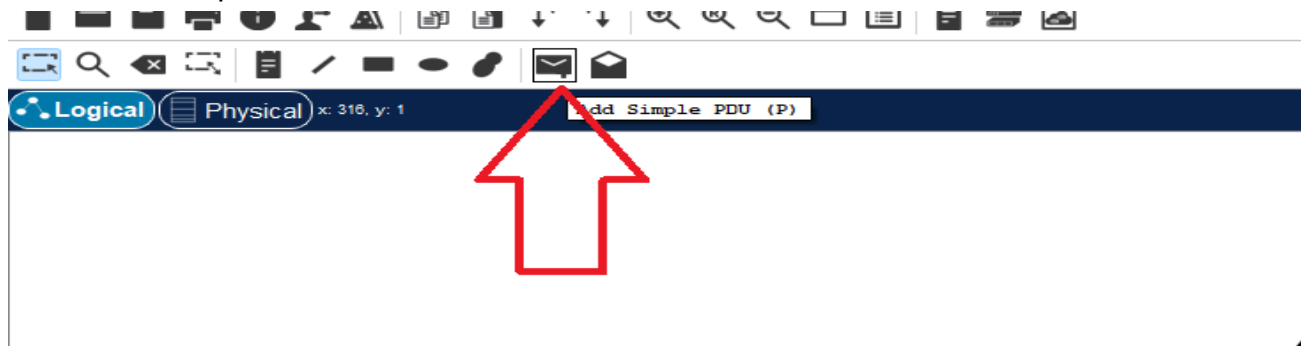


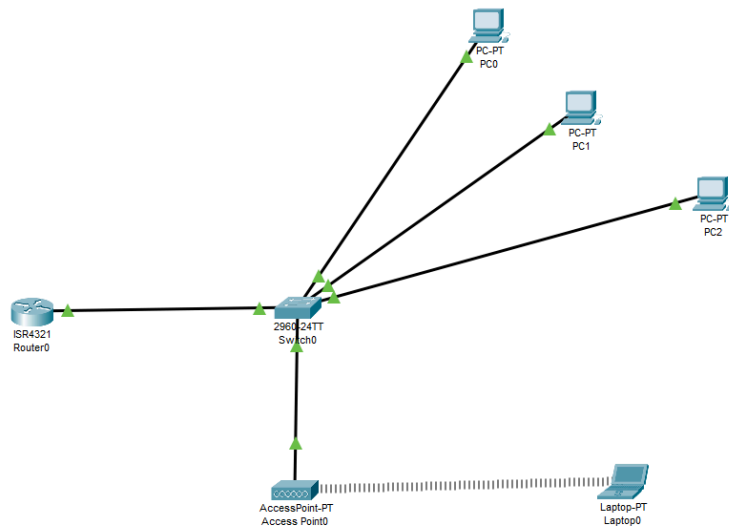


Y después vemos como nos quedo



Para después darle al mismo simbolo de paquete del pasos anterior para ver la conexión a los pc





Realtime
Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC0	PC1	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC0	PC2	ICMP		0.000	N	2	(edit)	(delete)
	Successful	Laptop0	PC2	ICMP		0.000	N	3	(edit)	(delete)

i

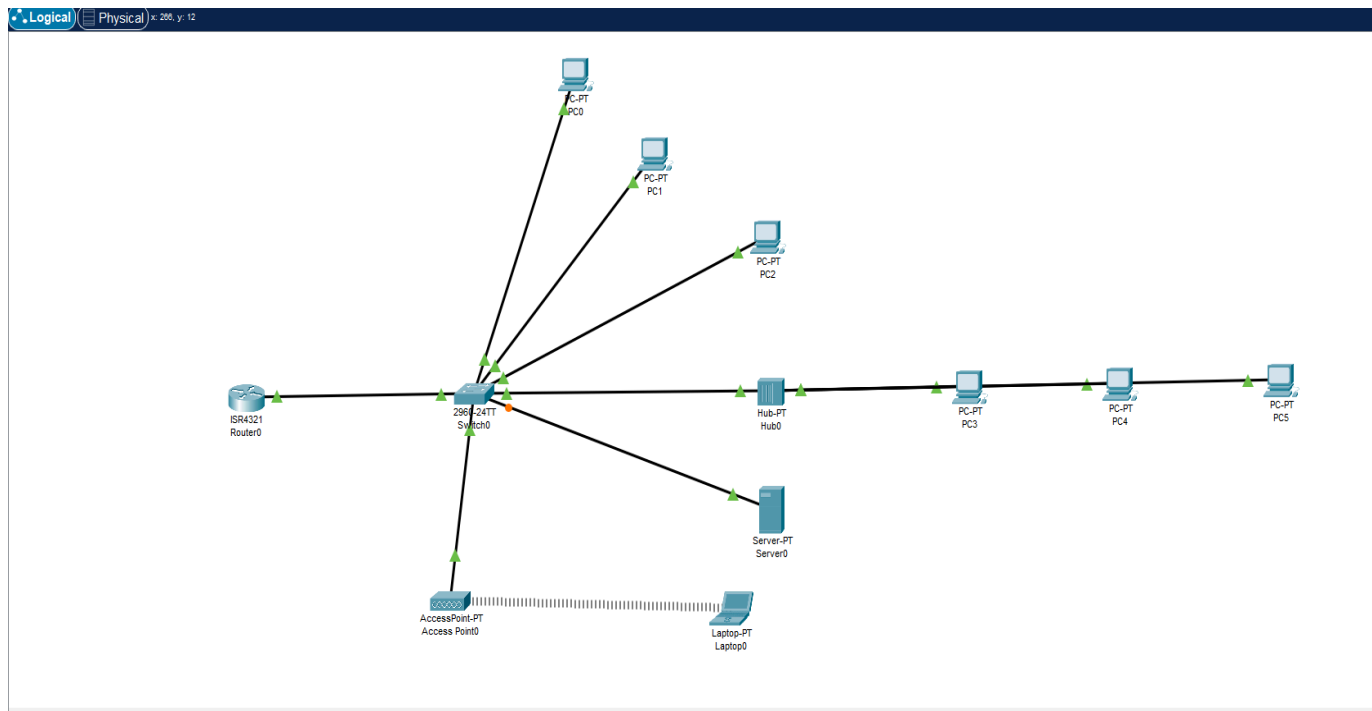
Scenario 0 ▼

New

Delete

Toggle PDU List Window

Ahora para la siguiente parte necesitamos un hub, 3 pc y un server



Abrimos el server y le damos a FTP

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

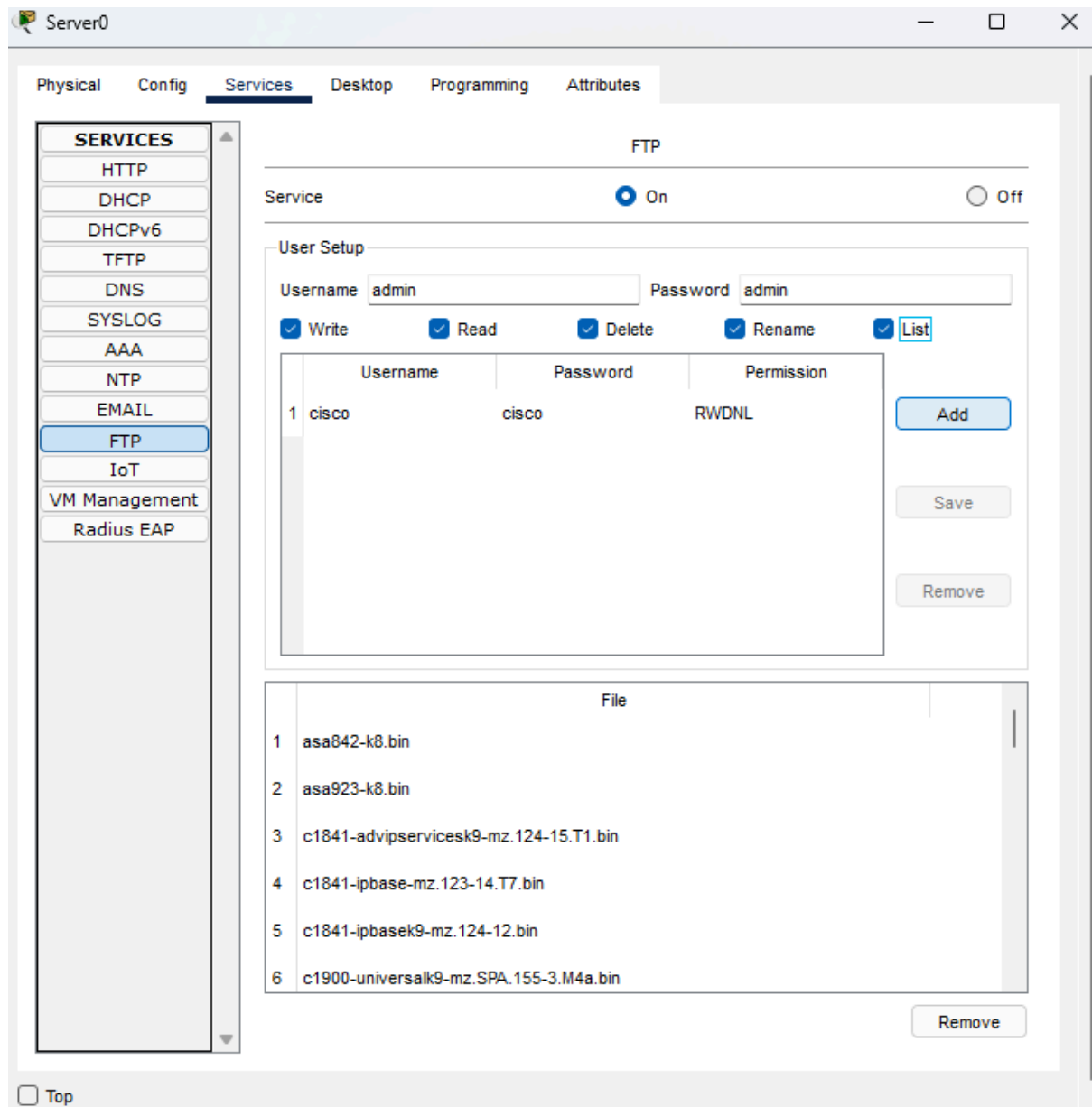
File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

New File Import

☐ Top

Una vez dentro creamos 3 usuario uno admin, otro manager y un operador, al admin le damos todos los permisos, al manager le damos todos excepto delete y el operador solamente le damos a write y read



Server0

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

FTP

Service

On

Off

User Setup

Username

operator

Password

admin

Write

Read

Delete

Rename

List

	Username	Password	Permission
1	admin	admin	RWDNL
2	manager	admin	RWNL
3	operator	admin	RW

Add

Save

Remove

File

1

asa842-k8.bin

2

asa923-k8.bin

3

c1841-advipservicesk9-mz.124-15.T1.bin

4

c1841-ipbase-mz.123-14.T7.bin

5

c1841-ipbasek9-mz.124-12.bin

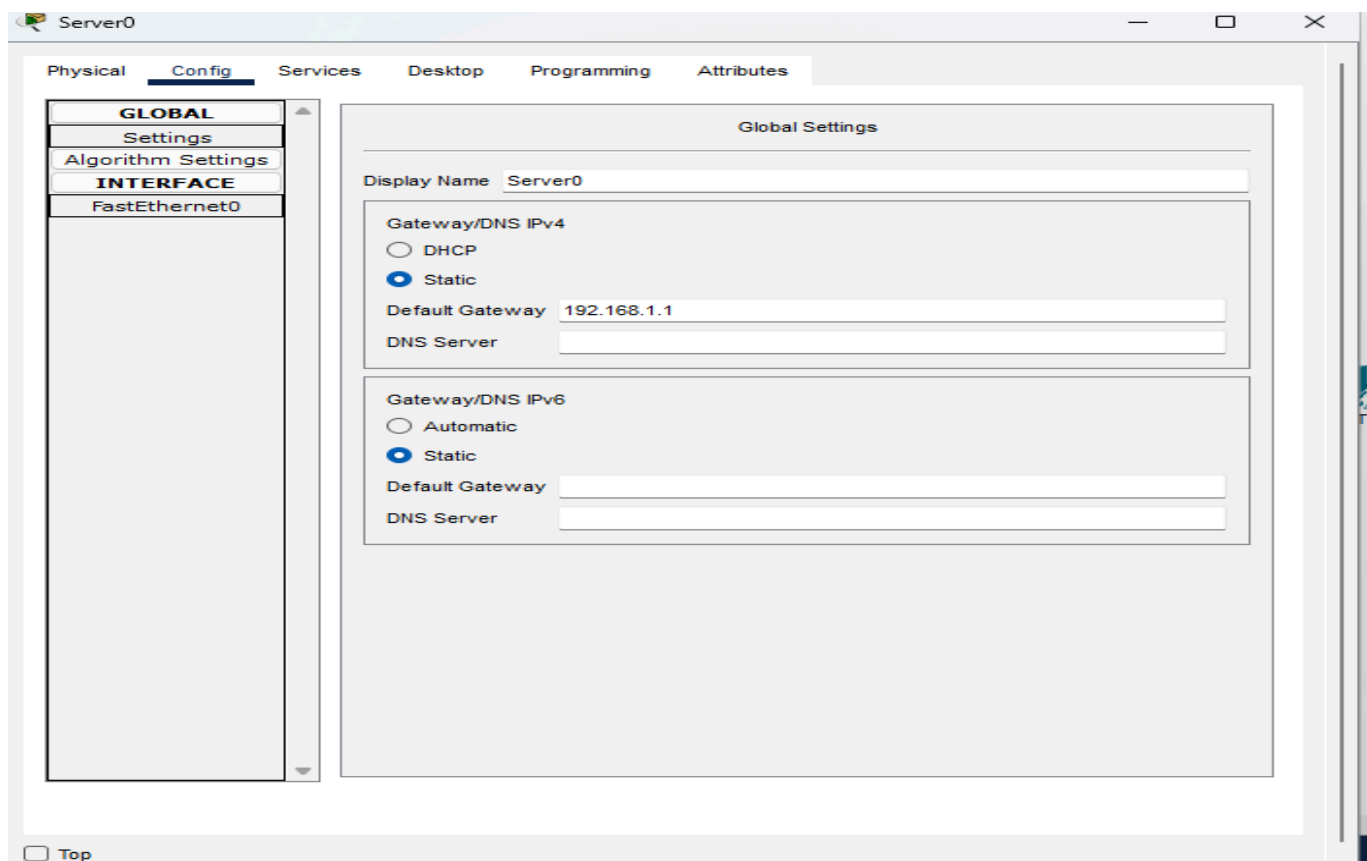
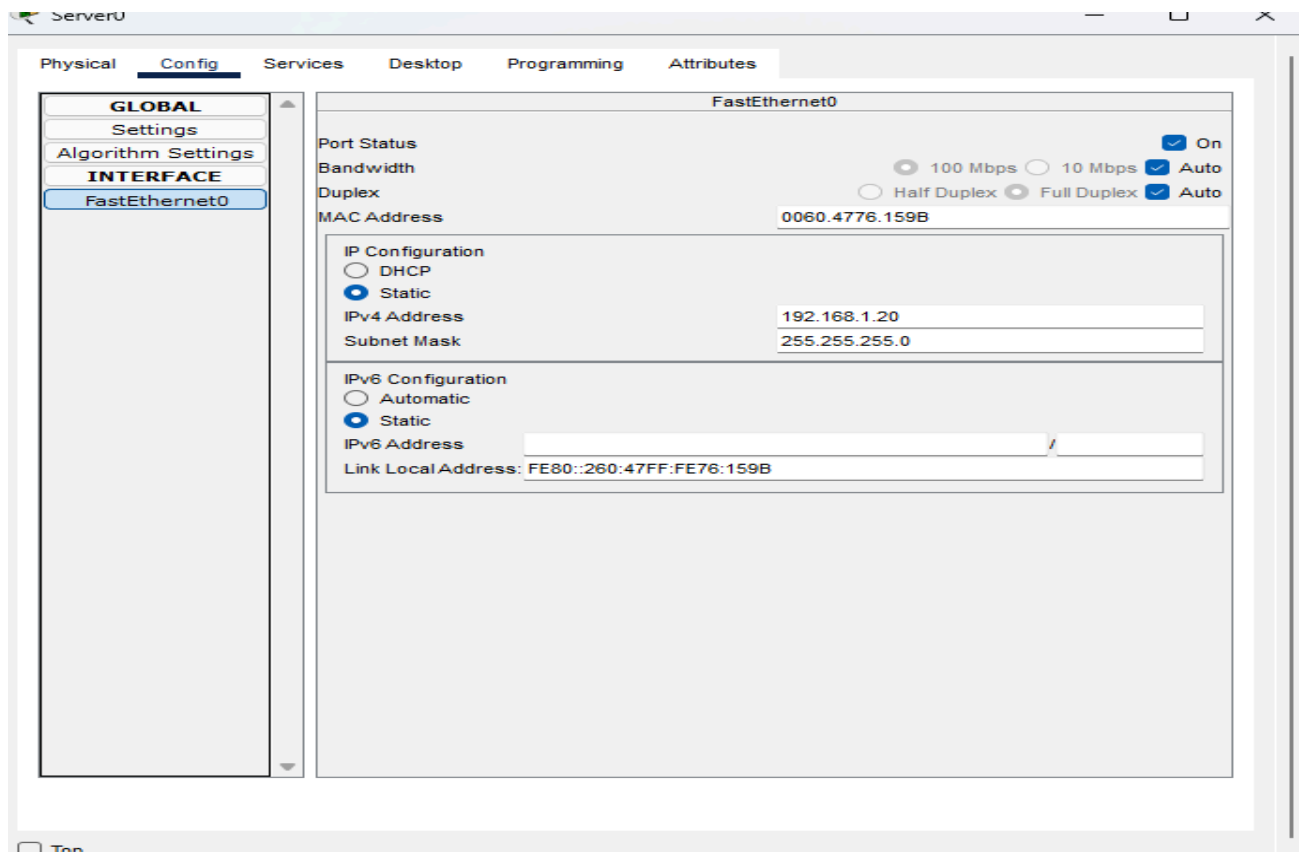
6

c1900-universalk9-mz.SPA.155-3.M4a.bin

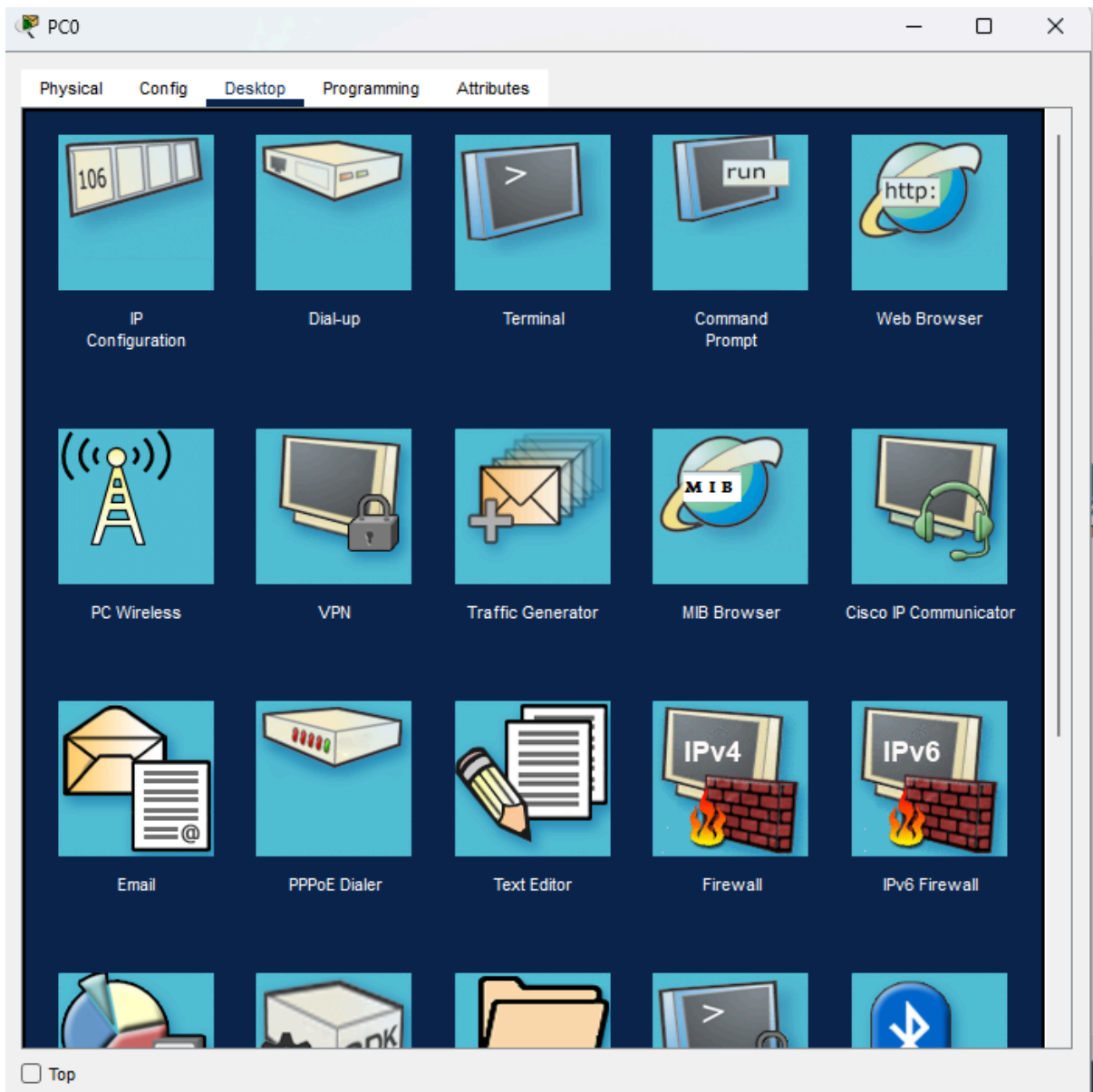
Remove

Top

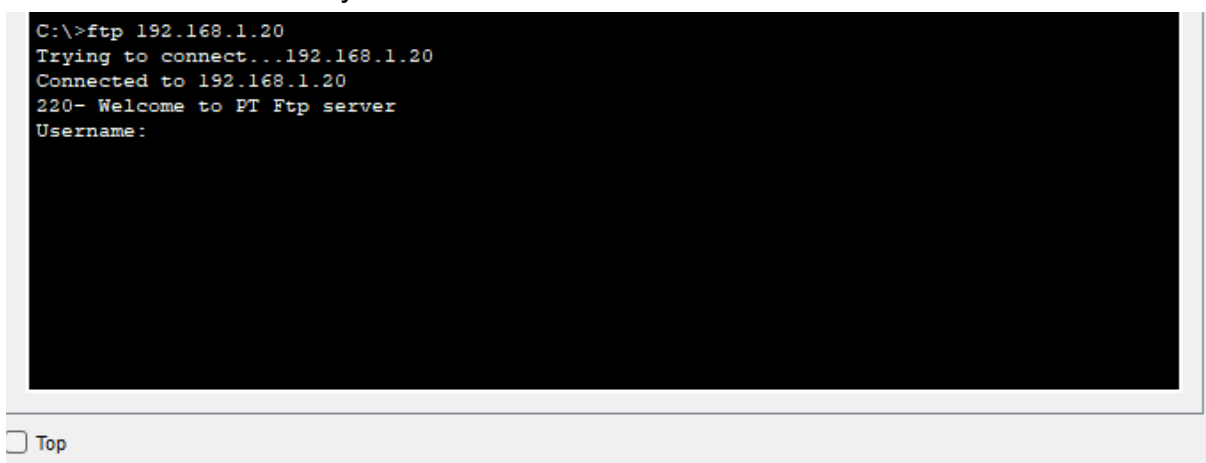
Configuramos la IPv4 y colocamos la default gateway en el server



Después le damos a cualquier pc y le damos a command Prompt



Nos conectamos a ftp con el comando ftp 192.168.1.20 la default gateway que colocamos en el server y nos conectamos con el usuario admin



Después usamos dir para ver los paquetes que tenemos y mkdir para agregar uno nuevo

```
230- Logged in
(passive mode On)
ftp>dir

Listing /ftp directory from 192.168.1.20:
0 : asa842-k8.bin                    5571584
1 : asa923-k8.bin                    30468096
2 : cl841-advipservicesk9-mz.124-15.Tl.bin 33591768
3 : cl841-ipbase-mz.123-14.T7.bin      13832032
4 : cl841-ipbasek9-mz.124-12.bin      16599160
5 : cl900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.Tl.bin 33591768
7 : c2600-i-mz.122-28.bin             5571584
8 : c2600-ipbasek9-mz.124-8.bin       13169700
9 : c2800nm-advipservicesk9-mz.124-15.Tl.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin   5571584
12 : c2800nm-ipbasek9-mz.124-8.bin    15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin   3058048
15 : c2950-i6q412-mz.121-22.EA8.bin   3117390
16 : c2960-lanbase-mz.122-25.FX.bin   4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin  4670455
19 : c3560-advipservicesk9-mz.122-37.SEE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SEE1.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
27 : ir800-universalk9-mz.SPA.155-3.M 61750062
28 : ir800-universalk9-mz.SPA.156-3.M 63753767
29 : ir800_yocto-1.7.2.tar            2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
31 : pt1000-i-mz.122-28.bin           5571584
32 : pt3000-i6q412-mz.121-22.EA4.bin  3117390
ftp>
```

Top

```
C:\>mkdir CONTABILIDAD.EXE
C:\>dir

Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\

3/1/1993   1:4 PM   <DIR>                CONTABILIDAD.EXE
12/31/1969 19:0 PM           26          sampleFile.txt
                26 bytes                2 File(s)
```

C:\>

Top

Le damos put CONTABILIDAD.EXE

```

C:\>ftp 192.168.1.20
Trying to connect...192.168.1.20
Connected to 192.168.1.20
220- Welcome to PT Ftp server
Username:admin
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>put CONTABILIDAD.EXE

Writing file CONTABILIDAD.EXE to 192.168.1.20:
File transfer in progress...

```

Ahora vamos a eliminar un archivo del dir usando la secuencia delete asa842.k8.bin

```

Listing /ftp directory from 192.168.1.20:
 0 : asa842-k8.bin                    5571584
 1 : asa923-k8.bin                    30468096
 2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
 3 : c1841-ipbase-mz.123-14.T7.bin 13832032
 4 : c1841-ipbasek9-mz.124-12.bin 16599160
 5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
 6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
 7 : c2600-i-mz.122-28.bin 5571584
 8 : c2600-ipbasek9-mz.124-8.bin 13169700
 9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
27 : ir800-universalk9-mz.SPA.155-3.M 61750062
28 : ir800-universalk9-mz.SPA.156-3.M 63753767
29 : ir800_yocto-1.7.2.tar 2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
31 : pt1000-i-mz.122-28.bin 5571584
32 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
ftp>delete asa842-k8.bin

Deleting file asa842-k8.bin from 192.168.1.20: ftp>
[Deleted file asa842-k8.bin successfully ]
ftp>

```

```

Deleting file asa842-k8.bin from 192.168.1.20: ftp>
[Deleted file asa842-k8.bin successfully ]
ftp>dir

Listing /ftp directory from 192.168.1.20:
0   : asa923-k8.bin                               30468096
1   : c1841-advipservicesk9-mz.124-15.T1.bin      33591768
2   : c1841-ipbase-mz.123-14.T7.bin               13832032
3   : c1841-ipbasek9-mz.124-12.bin               16599160
4   : c1900-universalk9-mz.SPA.155-3.M4a.bin      33591768
5   : c2600-advipservicesk9-mz.124-15.T1.bin      33591768
6   : c2600-i-mz.122-28.bin                      5571584
7   : c2600-ipbasek9-mz.124-8.bin                13169700
8   : c2800nm-advipservicesk9-mz.124-15.T1.bin    50938004
9   : c2800nm-advipservicesk9-mz.151-4.M4.bin     33591768
10  : c2800nm-ipbase-mz.123-14.T7.bin            5571584
11  : c2800nm-ipbasek9-mz.124-8.bin              15522644
12  : c2900-universalk9-mz.SPA.155-3.M4a.bin      33591768
13  : c2950-i6q412-mz.121-22.EA4.bin            3058048
14  : c2950-i6q412-mz.121-22.EA8.bin            3117390
15  : c2960-lanbase-mz.122-25.FX.bin             4414921
16  : c2960-lanbase-mz.122-25.SEE1.bin           4670455
17  : c2960-lanbasek9-mz.150-2.SE4.bin           4670455
18  : c3560-advipservicesk9-mz.122-37.SE1.bin    8662192
19  : c3560-advipservicesk9-mz.122-46.SE.bin     10713279
20  : c800-universalk9-mz.SPA.152-4.M4.bin        33591768
21  : c800-universalk9-mz.SPA.154-3.M6a.bin      83029236
22  : cat3k_caa-universalk9.16.03.02.SPA.bin     505532849
23  : cgr1000-universalk9-mz.SPA.154-2.CG        159487552
24  : cgr1000-universalk9-mz.SPA.156-3.CG        184530138
25  : ir800-universalk9-bundle.SPA.156-3.M.bin    160968869
26  : ir800-universalk9-mz.SPA.155-3.M           61750062
27  : ir800-universalk9-mz.SPA.156-3.M           63753767
28  : ir800_yocto-1.7.2.tar                     2877440
29  : ir800_yocto-1.7.2_python-2.7.3.tar        6912000
30  : pt1000-i-mz.122-28.bin                     5571584
31  : pt3000-i6q412-mz.121-22.EA4.bin           3117390
ftp>

```

Se eliminó correctamente, ahora vamos a comprobar lo permisos de los demás usuario ejemplo manager, ingresamos con el usuario y contraseña de manager y intentamos eliminar

```

C:\>ftp 192.168.1.20
Trying to connect...192.168.1.20
Connected to 192.168.1.20
220- Welcome to PT Ftp server
Username:manager
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>delete asa842-k8.bin

Deleting file asa842-k8.bin from 192.168.1.20: ftp>
%Error ftp://192.168.1.20/asa842-k8.bin (No such file or directory Or Permission denied)
550-Requested action not taken. permission denied).

ftp>

```

☐ Top

Como podemos observar nos sale error, entonces está bien configurado nuestro permisos