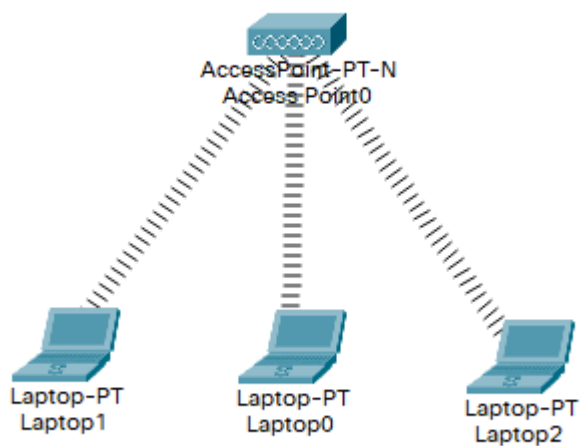


NOME: OSCAR TORRES RODRIGUEZ

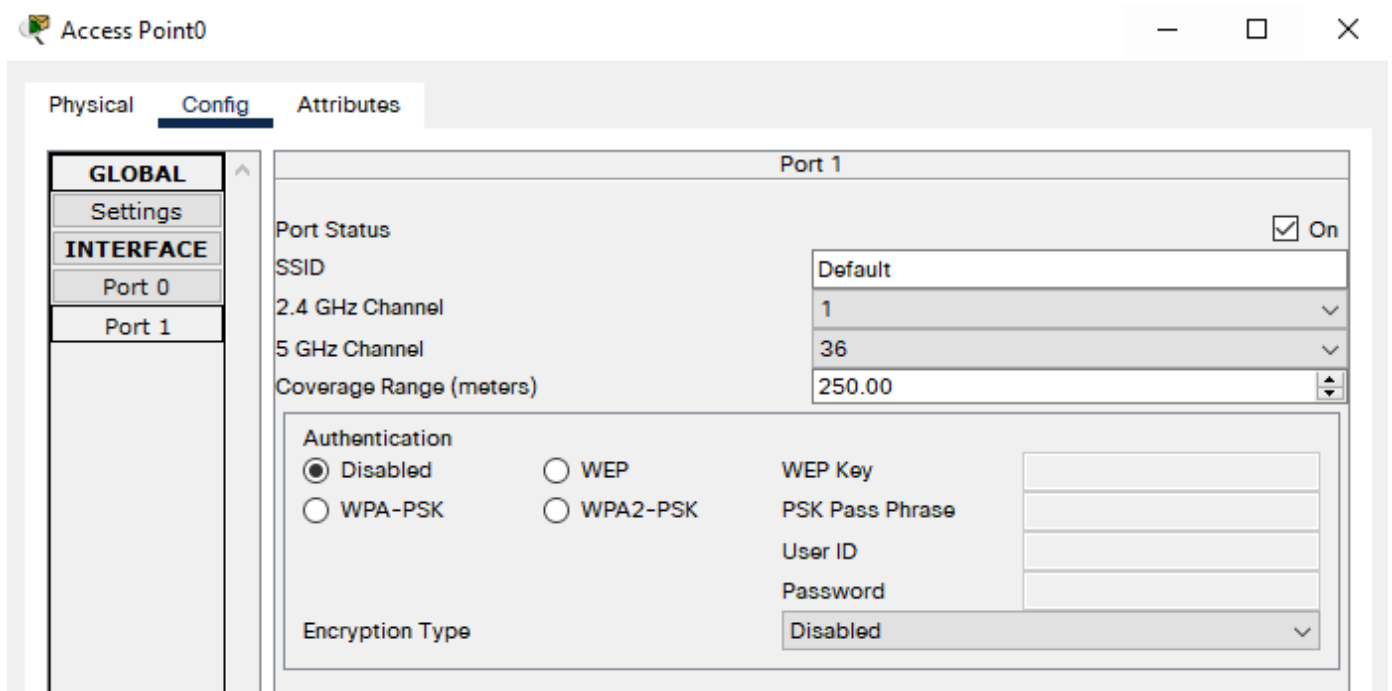
DATA:09/02/2022

1. Crea unha rede sen fíos no rango 192.168.1.0, de 3 equipos de sobremesa, conectados de xeito inalámbrico. A rede WiFi debe ser unha rede aberta sen ningún tipo de protección.

## ESQUEMA



## PUNTO DE ACCESO



HOSTS

Laptop1

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status

On

Bandwidth

300 Mbps

MAC Address

00E0.F703.3197

SSID

Default

Authentication

Disabled

WPA-PSK

WPA

802.1X

WEP

WPA2-PSK

WPA2

Method:

WEP Key

PSK Pass Phrase

User ID

Password

MD5

User Name

Password

Encryption Type

Disabled

IP Configuration

DHCP

Static

IPv4 Address

192.168.1.1

Subnet Mask

255.255.255.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

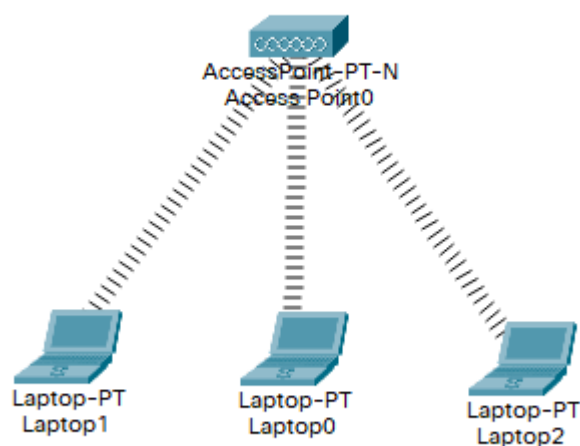
FE80::2E0:F7FF:FE03:3197

PRUEBAS

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Lapt...	Laptop2	ICMP		0.000	N	0	(edit)	
	Successful	Lapt...	Laptop2	ICMP		0.000	N	1	(edit)	

2. Partindo de exercicio anterior configura a mesma rede máis desta volta usando a validación WPA2-PSK e a contrasinal *DAM1SI2022*.

## ESQUEMA



## PUNTO DE ACCESO

Access Point0

— □ ×

Physical Config Attributes

**GLOBAL**

Settings

**INTERFACE**

Port 0

Port 1

Port 1

Port Status ☒ On

SSID Default

2.4 GHz Channel 1

5 GHz Channel 36

Coverage Range (meters) 250.00

Authentication

☐ Disabled ☐ WEP ☒ WPA2-PSK

WEP Key

PSK Pass Phrase DAM1SI2022

User ID

Password

Encryption Type AES

PORTATIL

Laptop1

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status

On

Bandwidth

300 Mbps

MAC Address

00E0.F703.3197

SSID

Default

Authentication

Disabled

WPA-PSK

WPA

802.1X

WEP

WPA2-PSK

WPA2

Method:

WEP Key

PSK Pass Phrase

DAM1SI2022

User ID

Password

MD5

User Name

Password

Encryption Type

AES

IP Configuration

DHCP

Static

IPv4 Address

192.168.1.1

Subnet Mask

255.255.255.0

IPv6 Configuration

Automatic





Static

IPv6 Address

Link Local Address

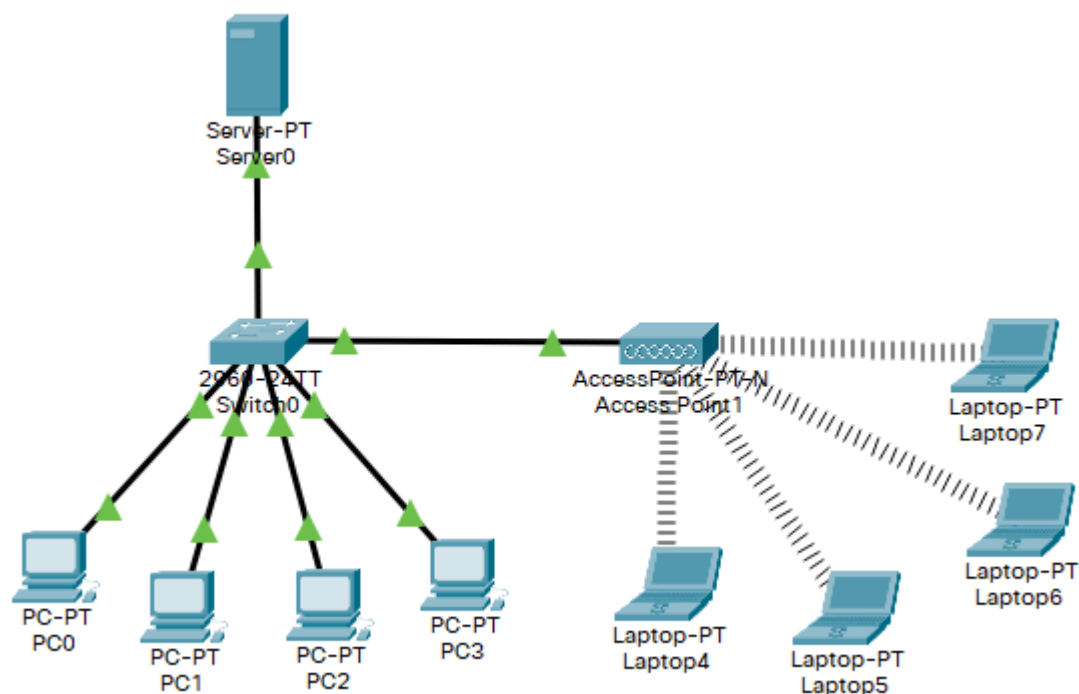
FE80::2E0:F7FF:FE03:3197

PRUEBAS

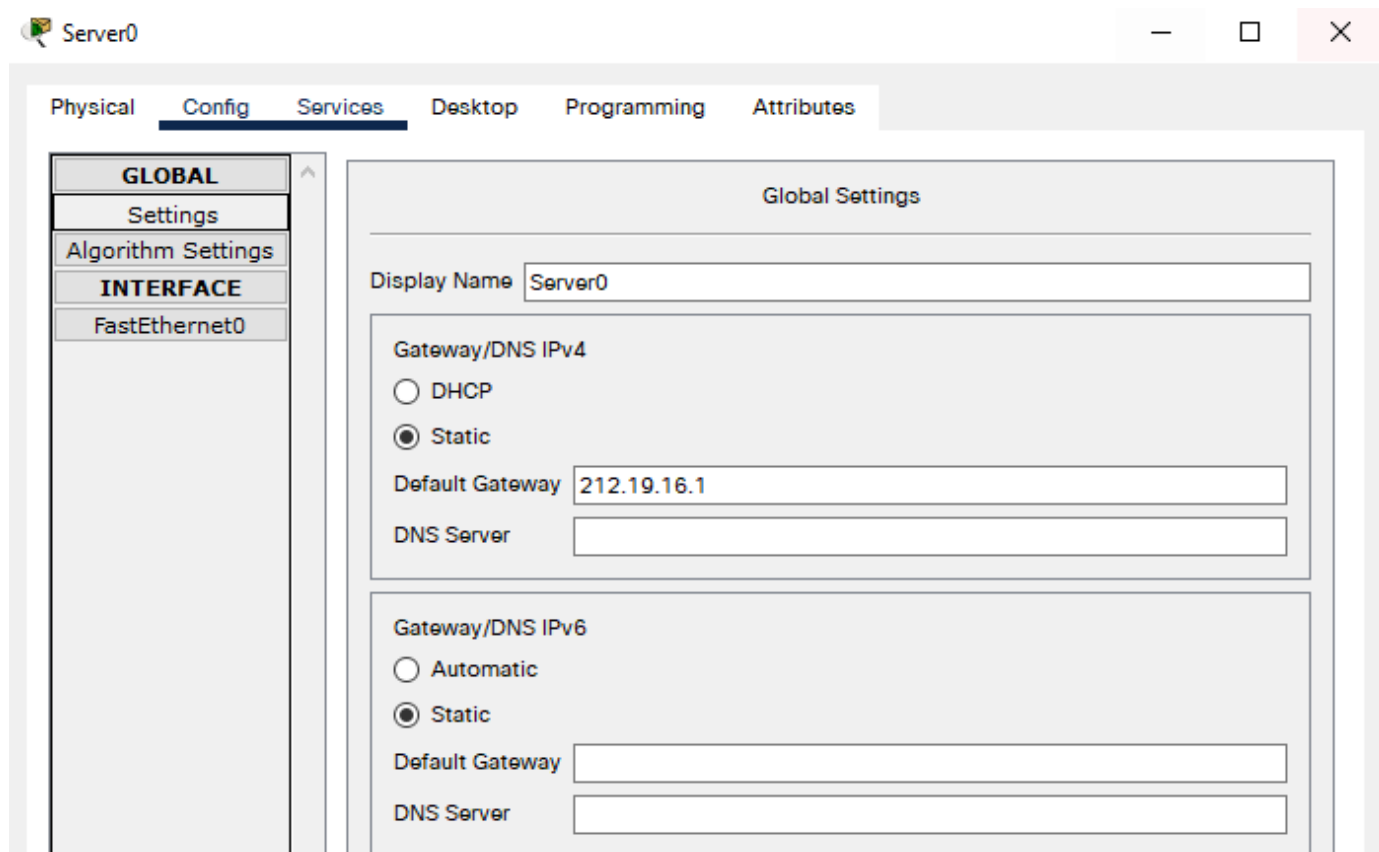
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Lapt...	Laptop2	ICMP		0.000	N	0	(edit)	
	Successful	Lapt...	Laptop2	ICMP		0.000	N	1	(edit)	

3. Crea unha rede no rango 212.19.16.0 onde coexistan 4 equipos cableados 4 equipos sen fíos. As Ips deberanse asignar de xeito automático e a WiFi deberá usar validación WPA2-PSK.

## ESQUEMA



## SERVIDOR DHCP



Server0

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 0060.475B.08CA

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 212.19.16.2

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::260:47FF:FE5B:8CA

Server0

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 212.19.16.1

DNS Server 0.0.0.0

Start IP Address : 212 19 16 100

Subnet Mask: 255 255 255 0

Maximum Number of Users : 10

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
serverPool	212.19....	0.0.0.0	212.19....	255.255...	10	0.0.0.0	0.0.0.0

## PUNTO DE ACCESO

Access Point1

Physical **Config** Attributes

**GLOBAL**

Settings

**INTERFACE**

Port 0

Port 1

**Port 1**

Port Status ☒ On

SSID Default

2.4 GHz Channel 1

5 GHz Channel 36

Coverage Range (meters) 250.00

Authentication

☐ Disabled ☐ WEP ☒ WPA2-PSK

WEP Key

PSK Pass Phrase DAM1SI2022

User ID

Password

Encryption Type AES

## HOSTS

PC0

Physical **Config** Desktop Programming Attributes

**GLOBAL**

Settings

Algorithm Settings

**INTERFACE**

FastEthernet0

Bluetooth

**FastEthernet0**

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0000.0C1A.8550

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 212.19.16.100

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address: FE80::200:CFF:FE1A:8550

Laptop7

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status

On

Bandwidth

300 Mbps

MAC Address

00D0.BC79.CD11

SSID

Default

Authentication

Disabled

WPA-PSK

WPA

802.1X

WEP

WPA2-PSK

WPA2

Method:

MD5

WEP Key

PSK Pass Phrase

DAM1SI2022

User ID

Password

User Name

Password

Encryption Type

AES

IP Configuration

DHCP

Static

IPv4 Address

212.19.16.107

Subnet Mask

255.255.255.0

IPv6 Configuration

Automatic









Static

IPv6 Address

Link Local Address

FE80::2D0:BCFF:FE79:CD11

PRUEBAS

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Server0	Laptop4	ICMP		0.000	N	0	(edit)	
	Successful	PC0	Laptop7	ICMP		0.000	N	1	(edit)	
	Successful	Laptop4	Laptop7	ICMP		0.000	N	2	(edit)	
	Successful	PC3	PC0	ICMP		0.000	N	3	(edit)	

UD03-PT05 – WiFi

8



*As respostas daranse en formato captura de pantalla con texto de apoio se é necesario. Deben incluír, cando menos:*

- ⑩ *Esquema completo*
- ⑩ *Configuración de cliente para cada rede*
- ⑩ *Todas as configuracións feitas nos server*
- ⑩ *Configuracións WiFi de ser necesarias*
- ⑩ *Probas de conectividade entre os equipos da rede*