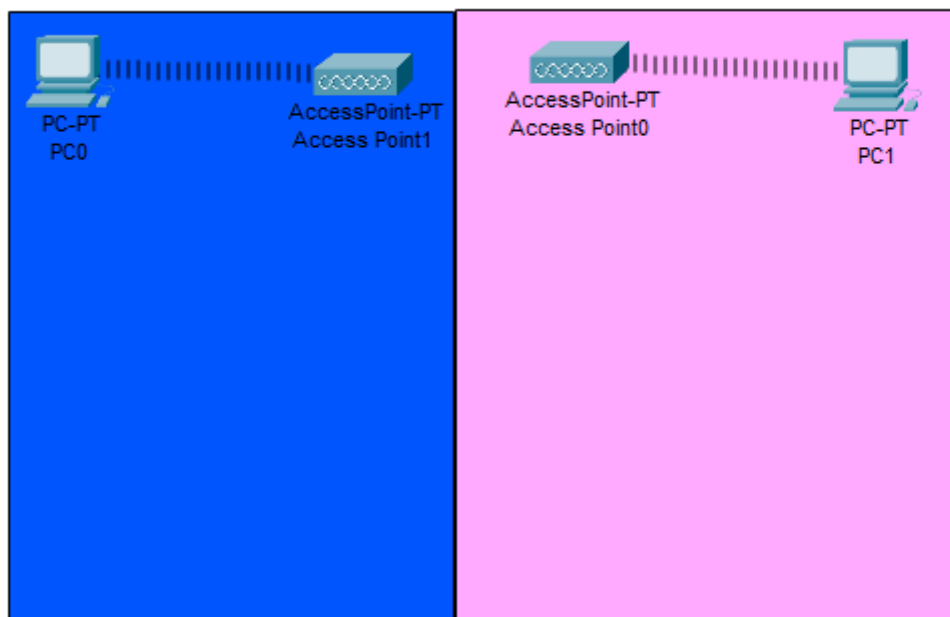


Практическая работа 20 – Сеть Wi-Fi на предприятии, защита WEP и WPA

1. Создаю сеть



2. Первичная конфигурация

Port 1	
Port Status	<input checked="" type="checkbox"/> On
SSID	buhg

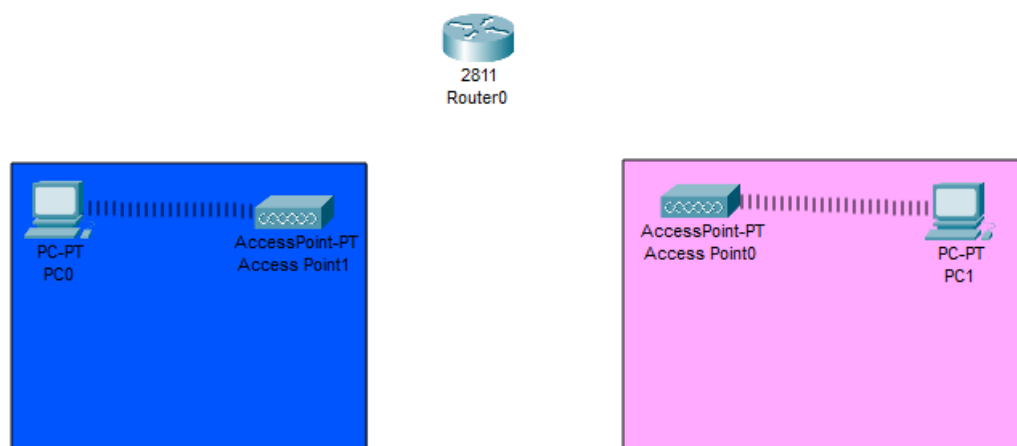
Port 1	
Port Status	<input checked="" type="checkbox"/> On
SSID	it

3. Настраиваю компьютеры

Wireless0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	18 Mbps
MAC Address	0060.70EC.C0E8
SSID	buhg
Authentication	
<input checked="" type="radio"/> Disabled	<input type="radio"/> WEP
<input type="radio"/> WPA-PSK	<input type="radio"/> WPA2-PSK
<input type="radio"/> WPA	<input type="radio"/> WPA2
<input type="radio"/> 802.1X	Method:
	WEP Key
	PSK Pass Phrase
	User ID
	Password
	MD5
	User Name
	Password
Encryption Type	Disabled
IP Configuration	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IPv4 Address	192.168.1.1
Subnet Mask	255.255.255.0

Wireless0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	24 Mbps
MAC Address	0000.0CA7.7895
SSID	it
Authentication	
<input checked="" type="radio"/> Disabled	<input type="radio"/> WEP
<input type="radio"/> WPA-PSK	<input type="radio"/> WPA2-PSK
<input type="radio"/> WPA	<input type="radio"/> WPA2
<input type="radio"/> 802.1X	Method:
	WEP Key
	PSK Pass Phrase
	User ID
	Password
	MD5
	User Name
	Password
Encryption Type	Disabled
IP Configuration	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0

4. Добавляю коммутирующее устройство



5. Настраиваю его

IP Configuration	
IPv4 Address	192.168.1.100
Subnet Mask	255.255.255.0

IP Configuration	
IPv4 Address	192.168.2.100
Subnet Mask	255.255.255.0

6. Настраиваю PC0

PC0

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Global Settings

Display Name PC0

Interfaces Wireless0

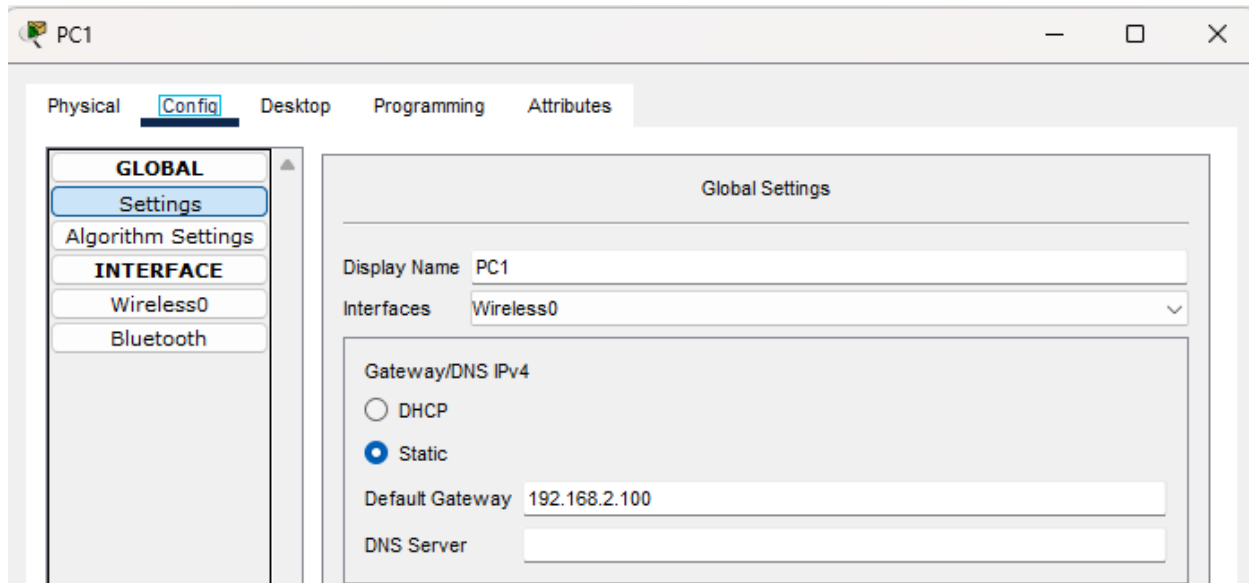
Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway 192.168.1.100

7. PC1



8. Тестирую

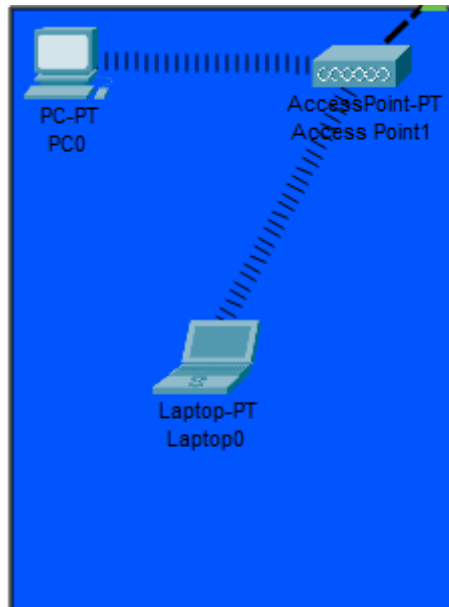
```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.1: bytes=32 time=28ms TTL=127
Reply from 192.168.2.1: bytes=32 time=21ms TTL=127
Reply from 192.168.2.1: bytes=32 time=28ms TTL=127

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 21ms, Maximum = 28ms, Average = 25ms
```

9. Добавляю еще одно устройство и прописываю SSID.



10. Устанавливаю пароль на Access Point, чтобы предотвратить подключения нежелательных пользователей

Authentication

☐ Disabled ☒ WEP ☐ WPA-PSK ☐ WPA2-PSK

WEP Key 1234567890

PSK Pass Phrase

User ID

Password

Encryption Type 40/64-Bits (10 Hex digits)

11. Прописываю пароль PC0, чтобы он мог подключиться.

PC0

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 18 Mbps

MAC Address 0060.70EC.C0E8

SSID buhg

Authentication

☐ Disabled ☒ WEP ☐ WPA-PSK ☐ WPA2-PSK

WEP Key 1234567890

PSK Pass Phrase

User ID

Password

Method: MD5

User Name

Password

Encryption Type 40/64-Bits (10 Hex digits)

12. Ставлю для it символьный пароль WPA2

Authentication

☐ Disabled ☐ WEP ☒ WPA-PSK ☐ WPA2-PSK

WEP Key

PSK Pass Phrase veryhardpass

User ID

Password

Encryption Type AES

13. Подключаю

Authentication

☐ Disabled ☐ WEP ☒ WPA-PSK ☐ WPA2-PSK

WEP Key

PSK Pass Phrase veryhardpass

User ID

Password

Method: MD5

User Name

14. Готовая сеть

