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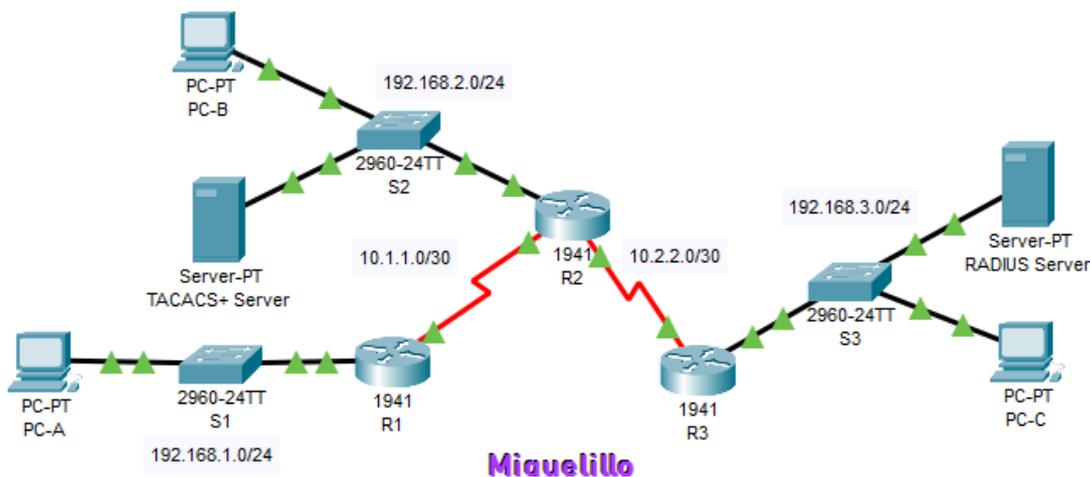
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Ejercicio 1

a) Parte 1

Solución:

Escenario



Prueba ping entre PCs

PC A ping a B y C

```
C:\>ping 192.168.3.3

Pinging 192.168.3.3 with 32 bytes of data:

Request timed out.
Reply from 192.168.3.3: bytes=32 time=2ms TTL=125
Reply from 192.168.3.3: bytes=32 time=2ms TTL=125
Reply from 192.168.3.3: bytes=32 time=2ms TTL=125

Ping statistics for 192.168.3.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 2ms, Average = 2ms

C:\>ping 192.168.2.3

Pinging 192.168.2.3 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.3: bytes=32 time=1ms TTL=126
Reply from 192.168.2.3: bytes=32 time=1ms TTL=126
Reply from 192.168.2.3: bytes=32 time=1ms TTL=126
```

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PC B ping a C

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.3.3

Pinging 192.168.3.3 with 32 bytes of data:

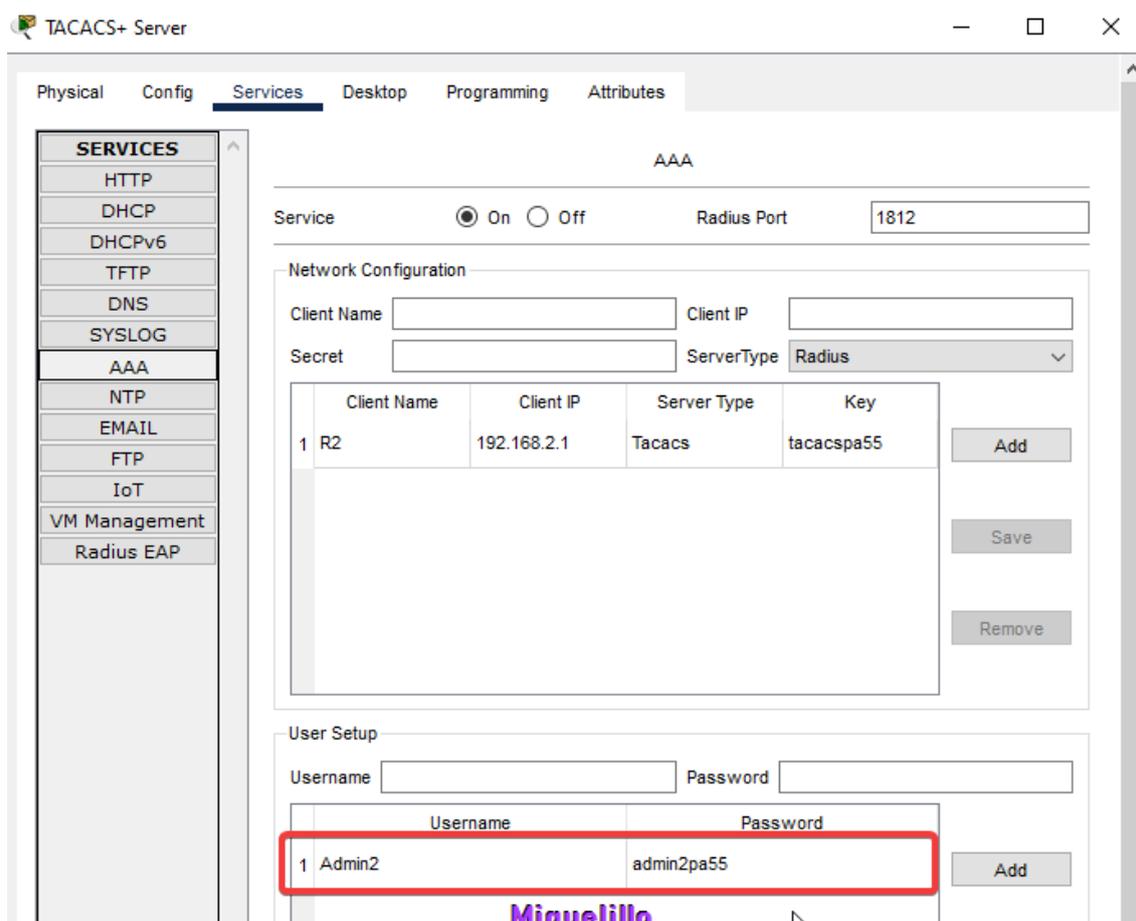
Reply from 192.168.3.3: bytes=32 time=1ms TTL=126
Reply from 192.168.3.3: bytes=32 time=1ms TTL=126
```

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Configuramos un nombre de usuario local como "Admin2" con una contraseña secreta de "admin2pa55"

```
R2(config)#username Admin2 secret admin2pa55
R2(config)#
```

Verificamos que exista una entrada de configuración de red para R2 y una entrada de configuración de usuario para "Admin2"



Configuramos la dirección IP y la clave secreta del servidor AAA TACACS en R2

```
R2(config)#aaa new-model
R2(config)#aaa authentication login default group tacacs+ local
R2(config)#tacacs-server host 192.168.2.2
R2(config)#tacacs-server key tacacspa55
R2(config)#
```

Habilitamos AAA en R2 y configuramos todos los inicios de sesión para autenticarse utilizando el servidor AAA

```
R2(config)#line con 0
R2(config-line)#login authentication default
R2(config-line)#
```

Guardamos la configuración y reiniciamos para probarlo

```
R2#write
Building configuration...
[OK]
R2#reload
Proceed with reload? [confirm]
```

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Vemos el inicio de sesión

```
R2#show aaa sessions
Total sessions since last reload: 1
Session Id:1
          Unique Id:1
          User Name:Admin2
          IP Address:0.0.0.0
          Idle Time: 0
          CT Call Handle: 0
R2#
```

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b) Parte 2

Solución:

Configuramos un nombre de usuario local como "Admin3" con una contraseña secreta de "admin3pa55"

```
R3(config)#username Admin3 secret admin3pa55
R3(config)#
```

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Verificamos la configuración del servidor radius

Physical Config **Services** Desktop Programming Attributes

AAA

Service On Off Radius Port 1645

Network Configuration

Client Name Client IP

Secret ServerType Radius

Client Name	Client IP	Server Type	Key
1 R3	192.168.3.1	Radius	radiuspa55

User Setup

Username Password

Username	Password
1 Admin3	admin3pa55

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Configuramos la dirección IP y la clave secreta del servidor AAA RADIUS en R3

```
R3(config)#aaa new-model
R3(config)#aaa authentication login default group radius local
R3(config)#radius-server host 192.168.3.2
R3(config)#radius-server key radiuspa55
R3(config)#
```

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Configuramos la autenticación AAA para el acceso a la consola en R3

```
R3(config)#line con 0
R3(config-line)#login authentication default
R3(config-line)#
```

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Guardamos y reiniciamos

```
R3#write
Building configuration...
[OK]
R3#reload
Proceed with reload? [confirm]
```

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Probamos y verificamos la conexión

```
Username: Admin3
Password:
R3>en
Password:
R3#show aaa sess
R3#show aaa sessions
Total sessions since last reload: 1
Session Id:2
        Unique Id:2
        User Name:Admin3
        IP Address:0.0.0.0
        Idle Time: 0
        CT Call Handle: 0
R3#
```

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Verificamos la practica

Cisco Packet Tracer - C:\Users\Miguel\Downloads\7.4.9-packet-tracer---configure-server-based-aaa-with-tacacs-and-radius (1).pka - Guest - 2024...

File Edit Options View Tools Extensions Window Help

Activity Results Time Elapsed: 00:44:01

Congratulations Guest! You completed the activity.

Overall Feedback **Assessment Items** Connectivity Tests

Expand/Collapse All Show Incorrect Items

Assessment Items	Status	Points	Component(s)	Feedback
Network				
R2				
AAA		0	Other	
Authentication				
Authen Command 1	Correct	1	Other	
New-model	Correct	1	Other	
Console Line		0	Other	
AAA Method List Name	Correct	1	Other	
User Names		0	Other	
(deprecated) Username	Correct	1	Other	
R3				
AAA		0	Other	
Authentication				
Authen Command 1	Correct	1	Other	
New-model	Correct	1	Other	
Console Line		0	Other	
AAA Method List Name	Correct	1	Other	
User Names		0	Other	
(deprecated) Username	Correct	1	Other	

Score : 8/8

Item Count : 8/8

Component	Items/Total	Score
Other	8/8	8/8

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