

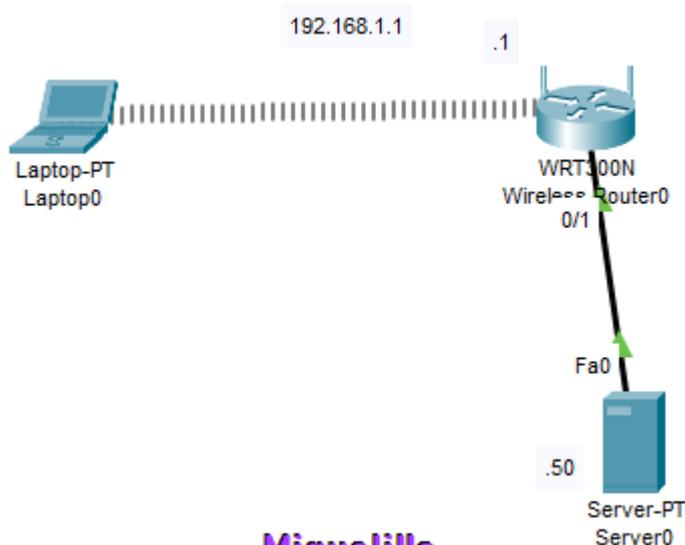
Índice:

Ejercicio 1	2
a) Simulación de un entorno de red con servidor RADIUS CISCO en el simulador Packet Tracer	2

Ejercicio 1

a) Simulación de un entorno de red con servidor RADIUS CISCO en el simulador Packet Tracer

Solución:

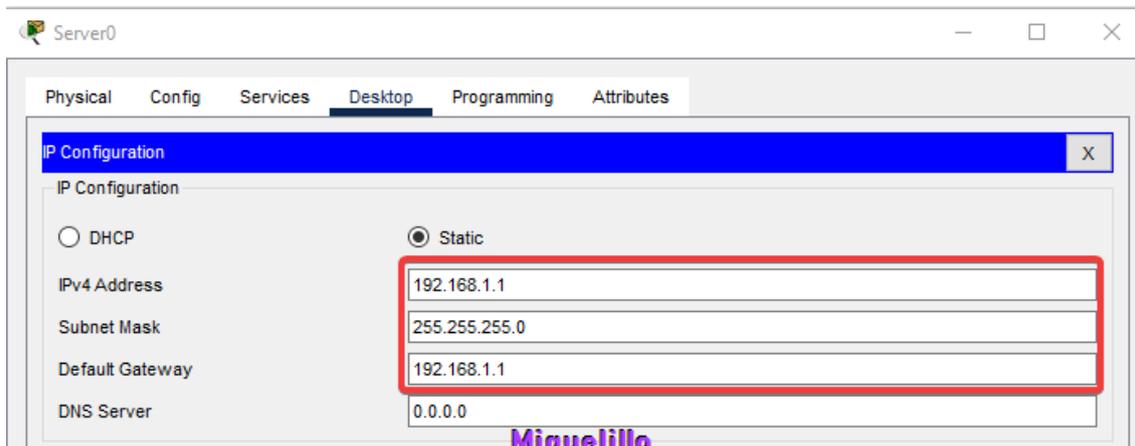


Escenario

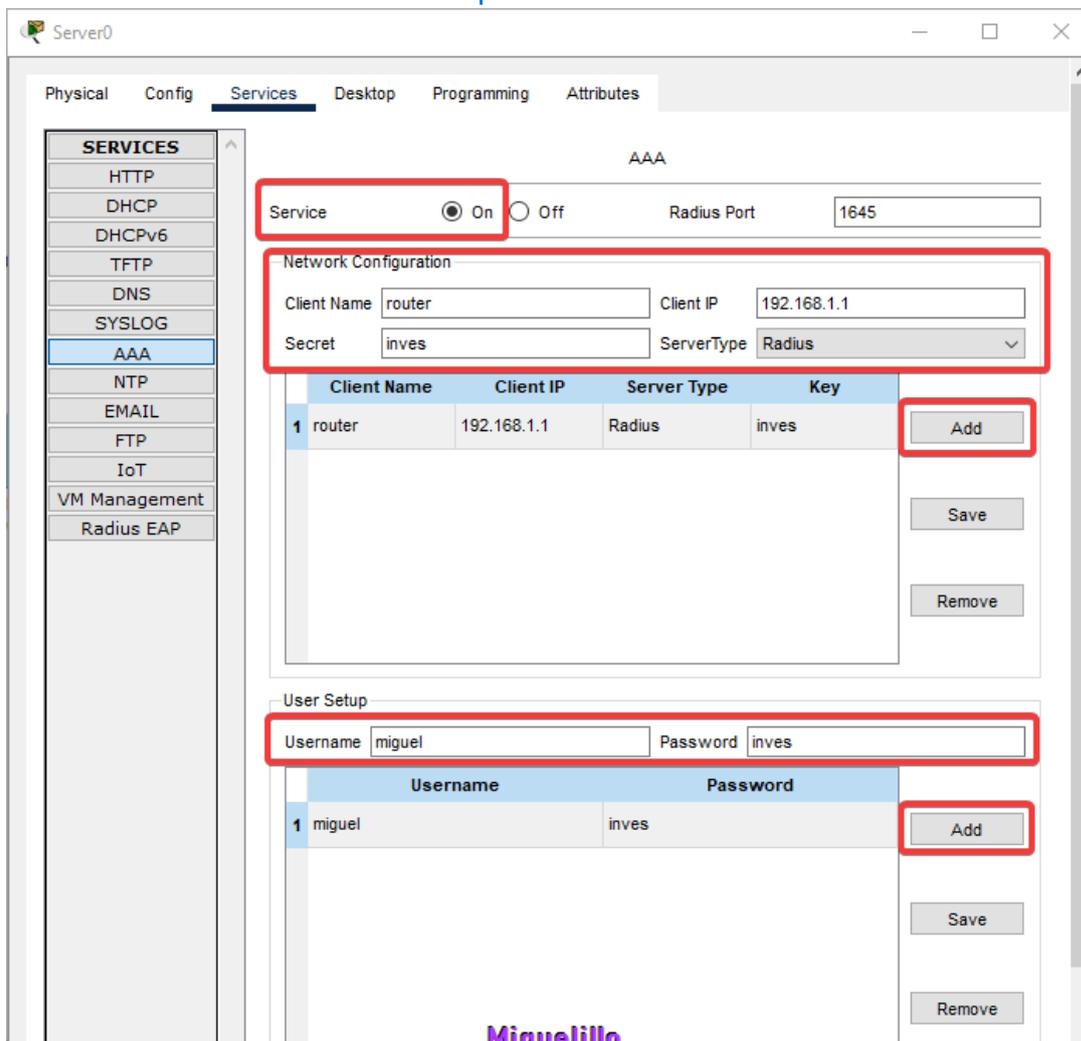
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Configuramos las IPs

Del servidor y del router

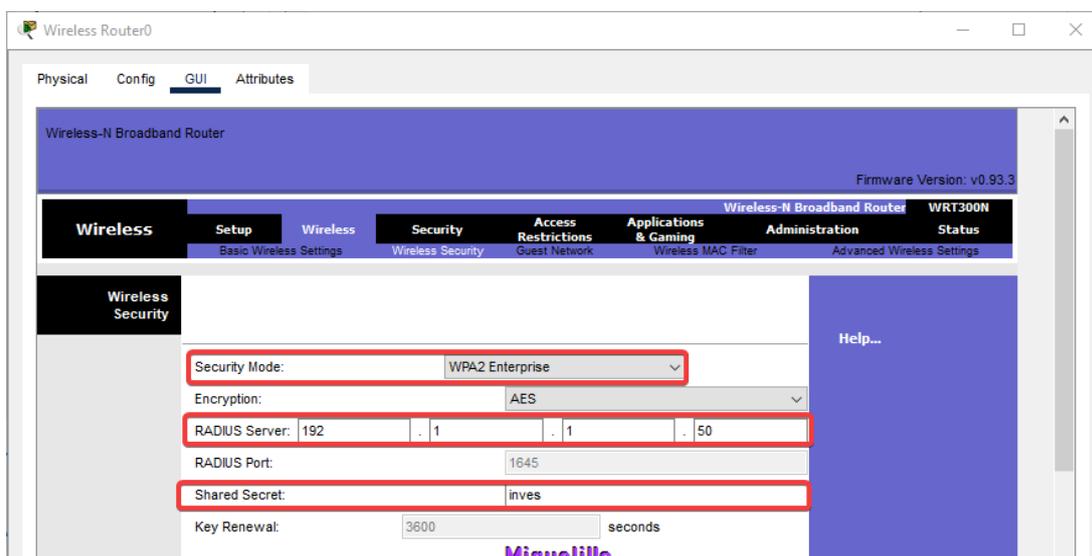


Vamos a **AAA** y lo habilitamos configuramos los clientes y los añadimos, añadimos a usuarios con sus respectivas contraseñas



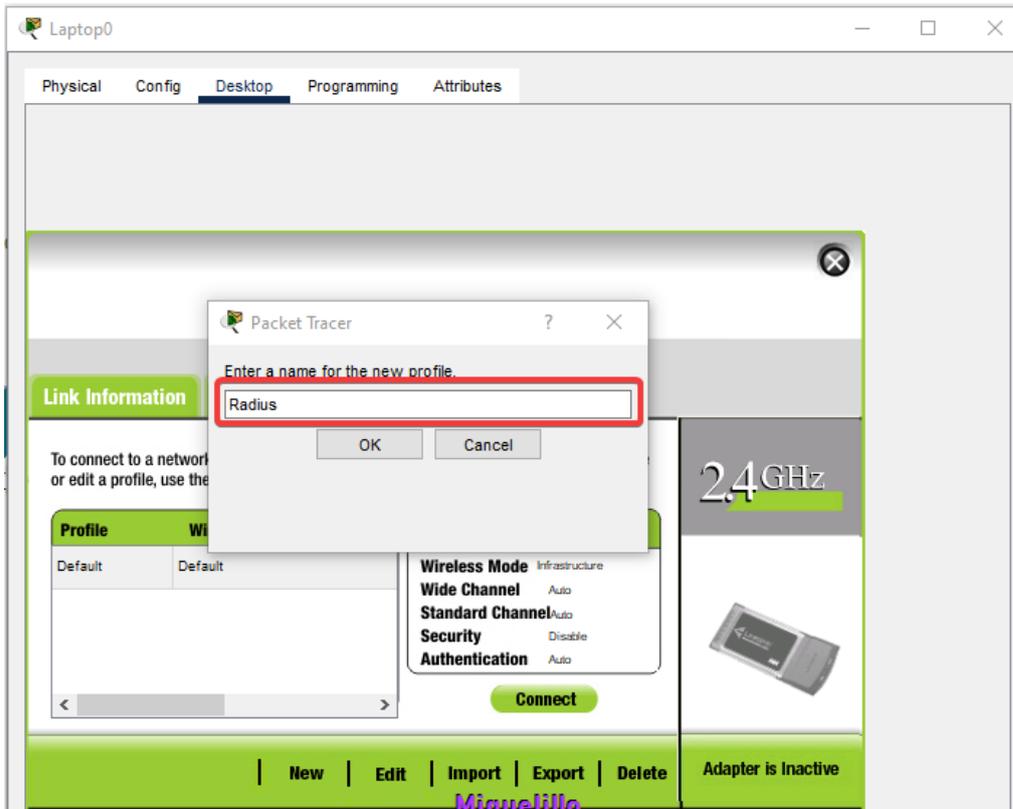
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Vamos al router y configuramos como cliente radius poniendo la clave precompartida. Para ello vamos a **Wireless**→**Wireless Security** e introducimos los datos del servidor.

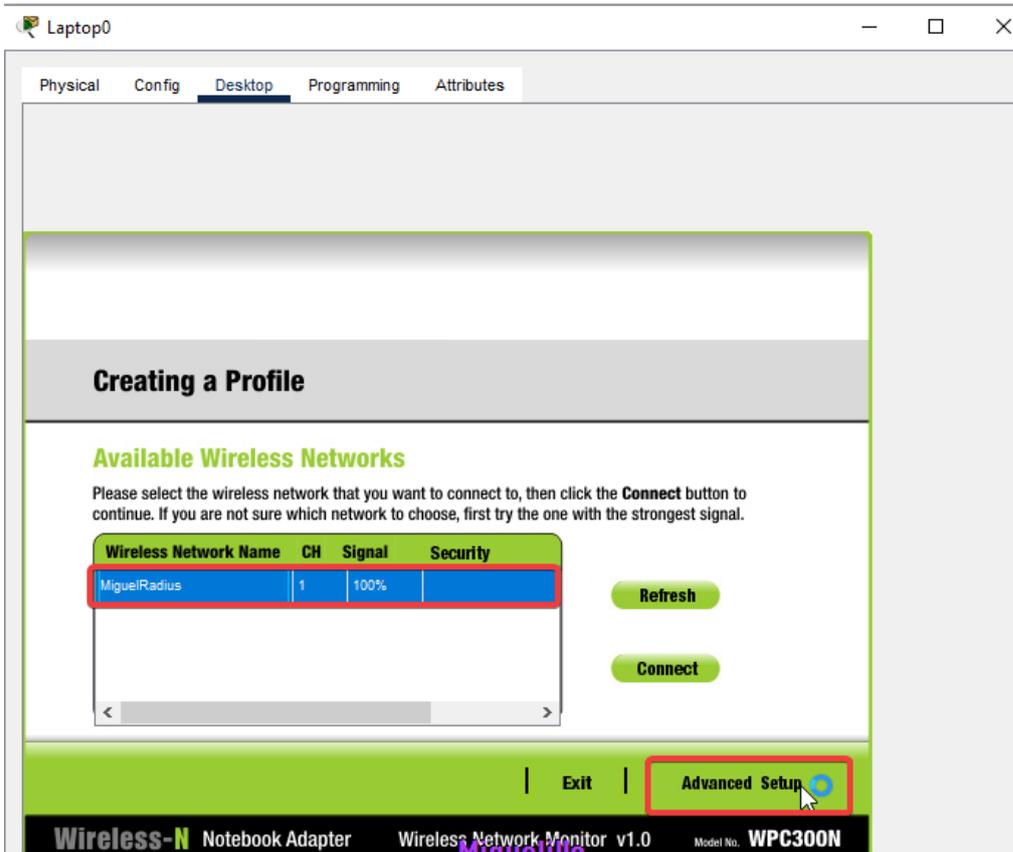


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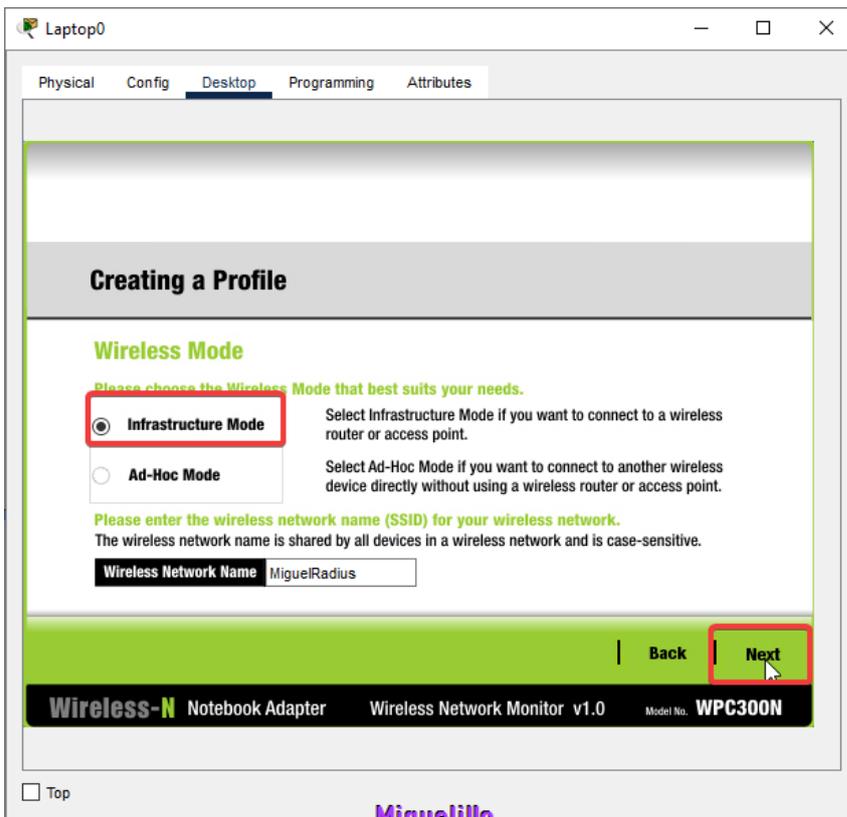
Vamos al portátil y creamos un perfil nuevo



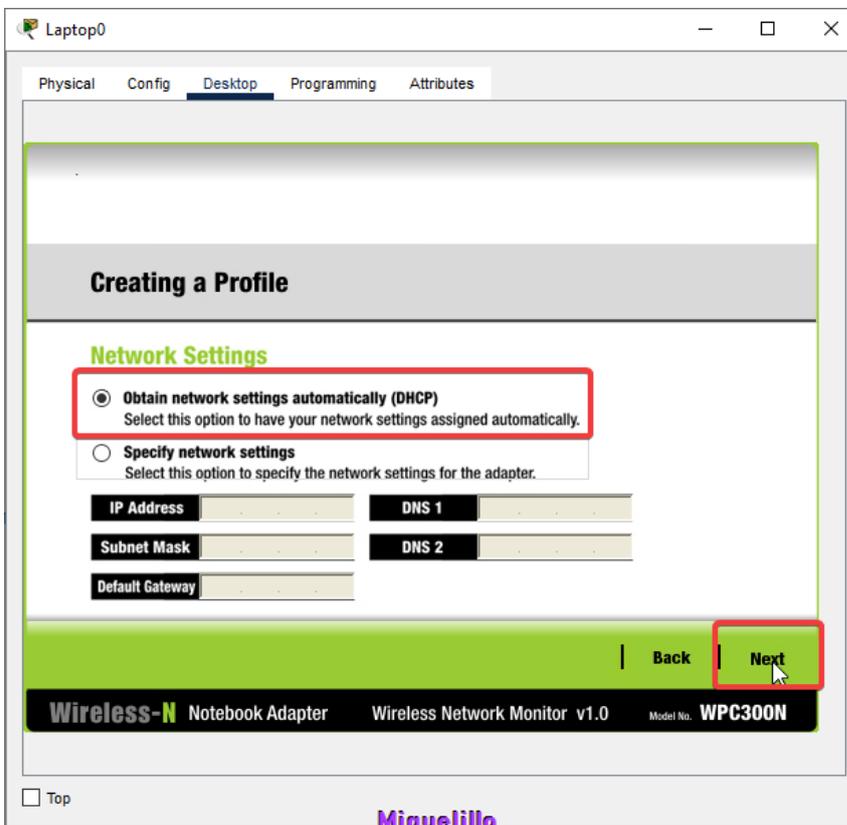
Vamos a opciones avanzadas



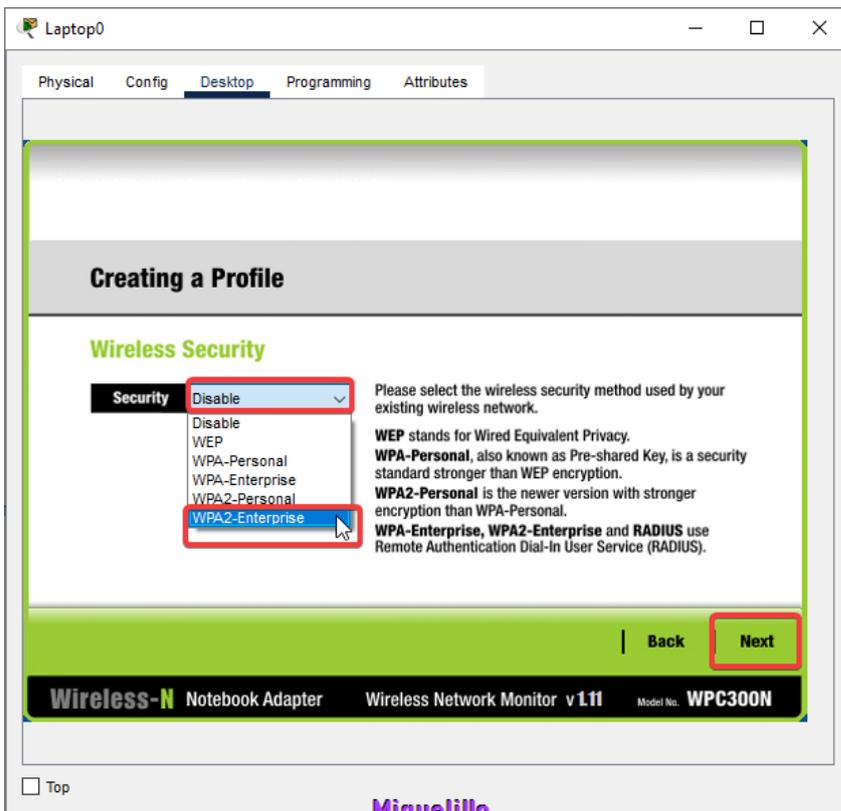
Seleccionamos el modo infraestructura y clicamos en siguiente



Lo ponemos por DHCP y clicamos en siguiente

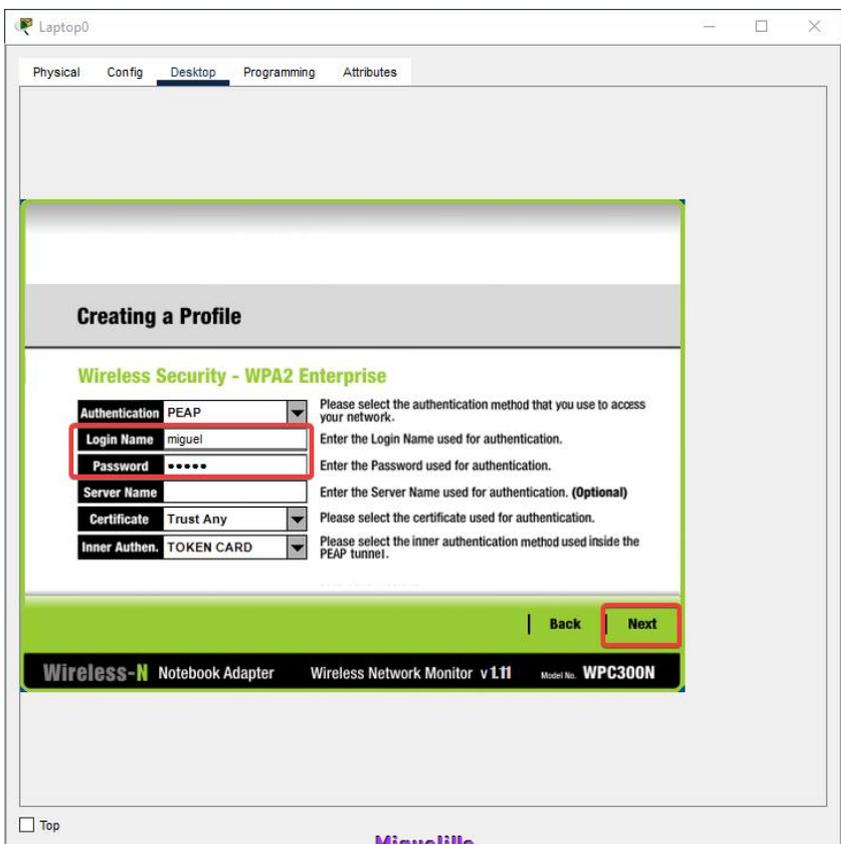


Seleccionamos WPA2-Enterprise



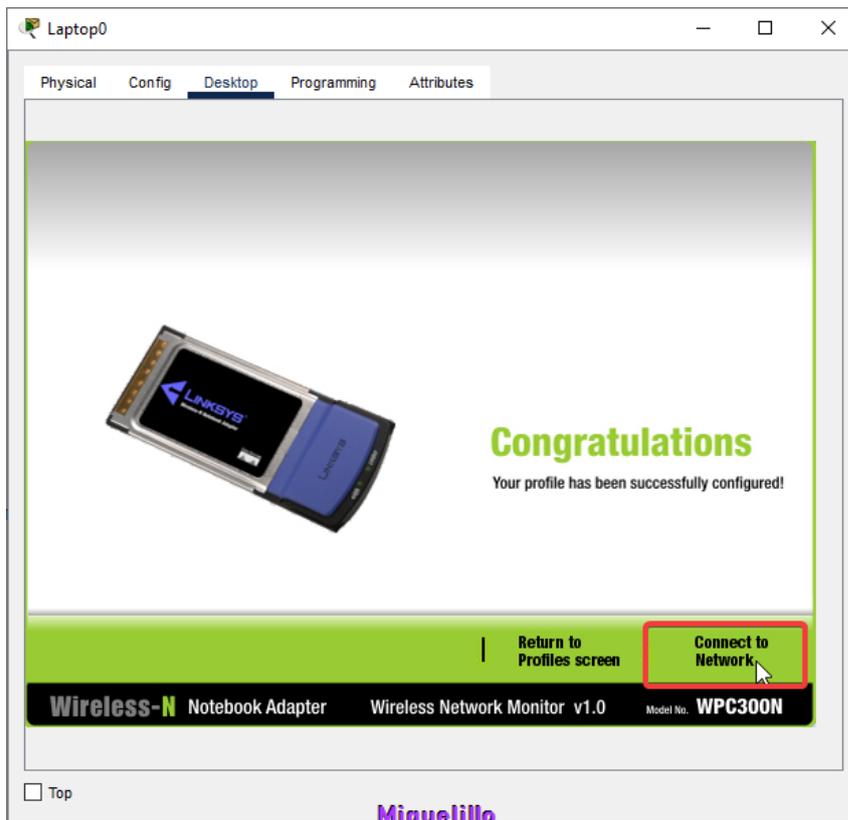
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Introducimos usuario y contraseña que hemos creado en el servidor radius



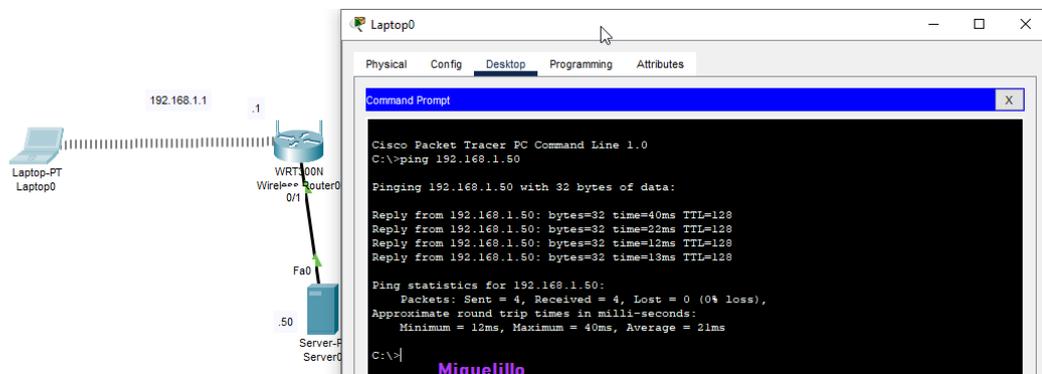
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Clicamos en conectar



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Probamos a hacer un ping



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Si nos fijamos esta conectado por wpa enterprise y tiene IP por dhcp

The image shows a network diagram on the left and a configuration window for 'Laptop0' on the right. The diagram illustrates a connection between 'Laptop-PT Laptop0' and 'WRT100N Wireless Router0'. The IP address 192.168.1.1 is shown near the router. The router is also connected to 'Server-R Server0' via 'Fa0/50'. The configuration window for 'Laptop0' is open to the 'Config' tab, showing the 'Wireless0' interface settings. The 'Authentication' section has 'WPA2' selected. The 'Encryption Type' is set to 'AES'. The 'IP Configuration' section has 'DHCP' selected. The 'SSID' is 'MigueRadius', the 'MAC Address' is '00D0:BCEA:765E', the 'User ID' is 'miguel', and the 'Password' is 'inves'. The 'Pv4 Address' is '192.168.1.100' and the 'Subnet Mask' is '255.255.255.0'. The 'Local Address' is 'FE80::2D0:BCFF:FEAA:765E'. A watermark 'Miduslib' is visible at the bottom of the configuration window.