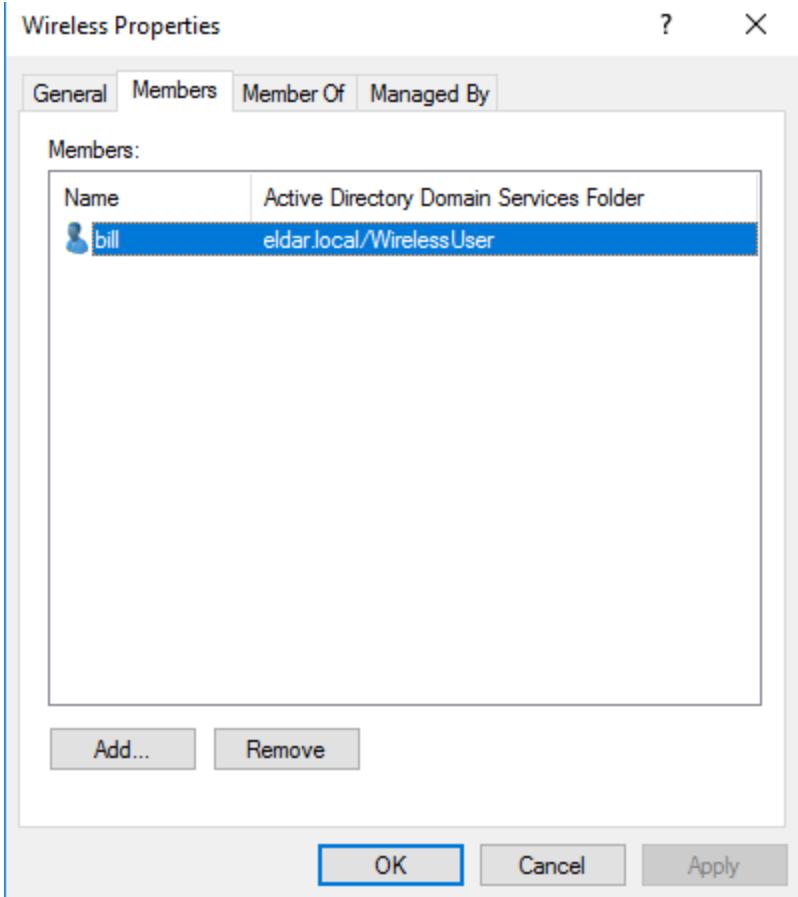


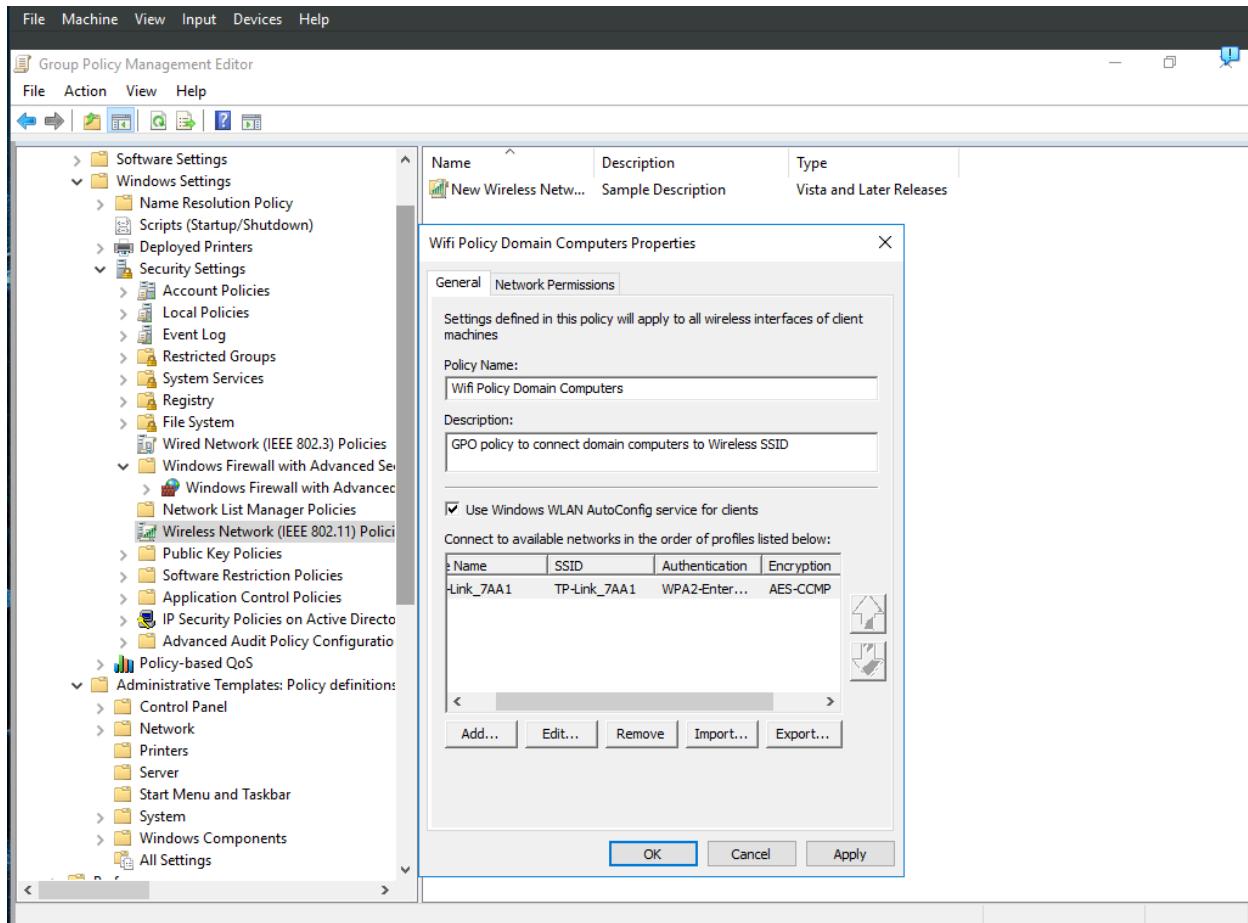
The screenshot shows the Windows Active Directory Users and Computers management console. The left pane displays a tree view of the directory structure under 'eldar.local'. The right pane is a table view with columns 'Name', 'Type', and 'Description'. A single row is selected, highlighted with a blue background, representing a user account named 'bill'.

Name	Type	Description
bill	User	
Wireless	Security Group...	

In this Active Directory I have created a user named bill that I will use as credentials to log in to the Radius Wifi. I have made the Wireless group in this directory where bill will be located for network authentication.



I have made bill a member of the wireless group for authentication via wireless on my mobile device.



I have made the Radius server policy and enabled it.

tp-link | AX1800 Wi-Fi 6 Router

Search TP-Link ID Log Out

Network Map Internet Wireless Advanced

Wireless Settings

Personalize settings for each band or enable Smart Connect to configure the same settings for all bands.

Smart Connect: Enable [?](#)

Wireless Radio: Enable [Sharing Network](#)

Network Name (SSID): Hide SSID

Security:

RADIUS Server IP:

RADIUS Port:

RADIUS Password:

Guest Network

Enable the wireless bands you want your guests to use and complete the related information.

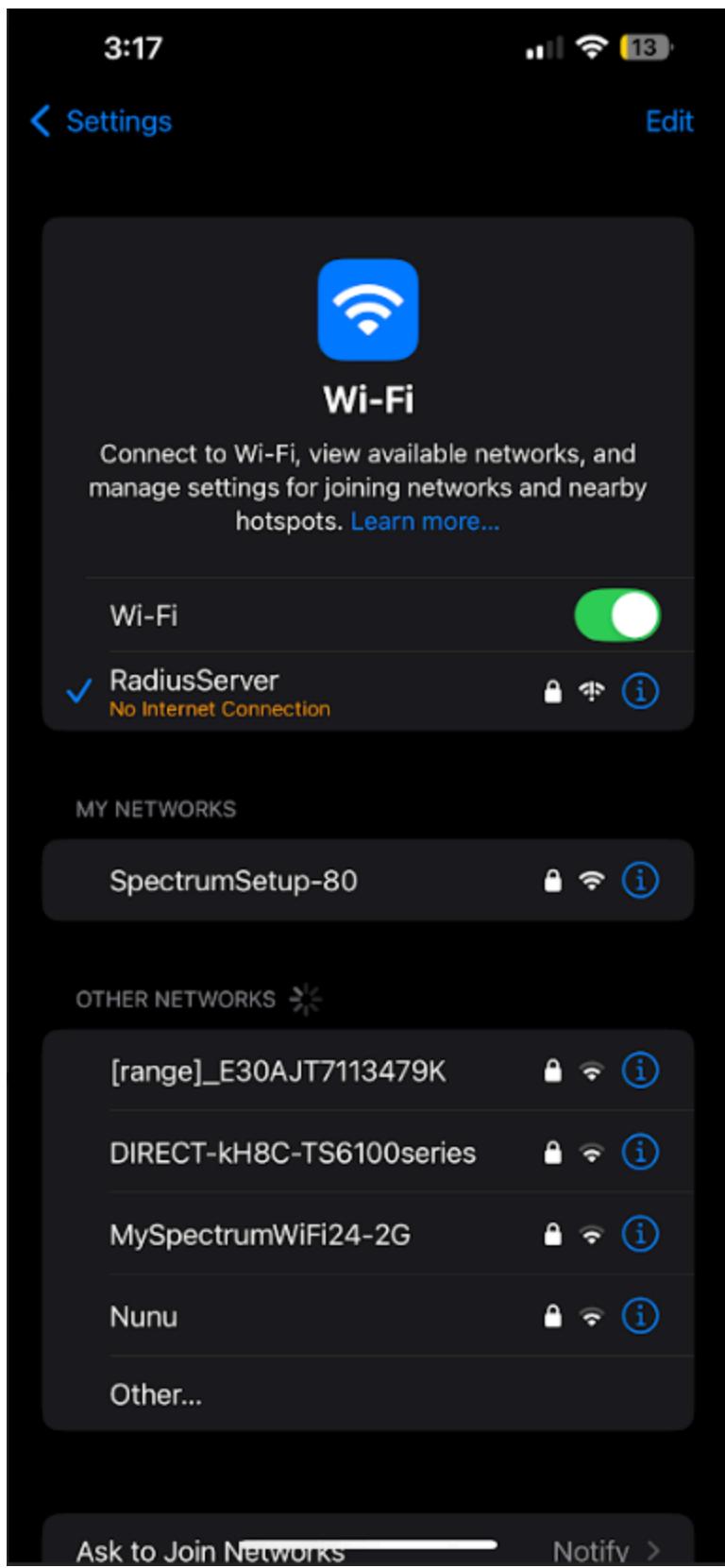
2.4GHz: Enable [Sharing Network](#)

5GHz: Enable [Sharing Network](#)

Security:

The screenshot shows the 'Wireless' tab selected in the navigation bar. Under 'Wireless Settings', it displays configuration for a guest network named 'RadiusServer' using WPA/WPA2-Enterprise security. It also shows options for 2.4GHz and 5GHz bands, both currently disabled. Under 'Guest Network', it lists security options like 'No Security'. The interface is clean with a light blue header and white background.

These are the settings I configured to the router I purchased and am using for this Radius project.



After these successful steps I connected to the RadiusServer network via bills credentials.

3:17



13

Wi-Fi

RadiusServer

No Internet Connection

If this is your Wi-Fi network, try restarting the modem and the router, or contact your ISP.

Weak Security

WPA/WPA2 (TKIP) is not considered secure.

If this is your Wi-Fi network, configure the router to use WPA2 (AES) or WPA3 security type.

[Learn more about recommended settings for Wi-Fi...](#)

[Forget This Network](#)

Auto-Join



Username

••••

Password

••••••

Low Data Mode



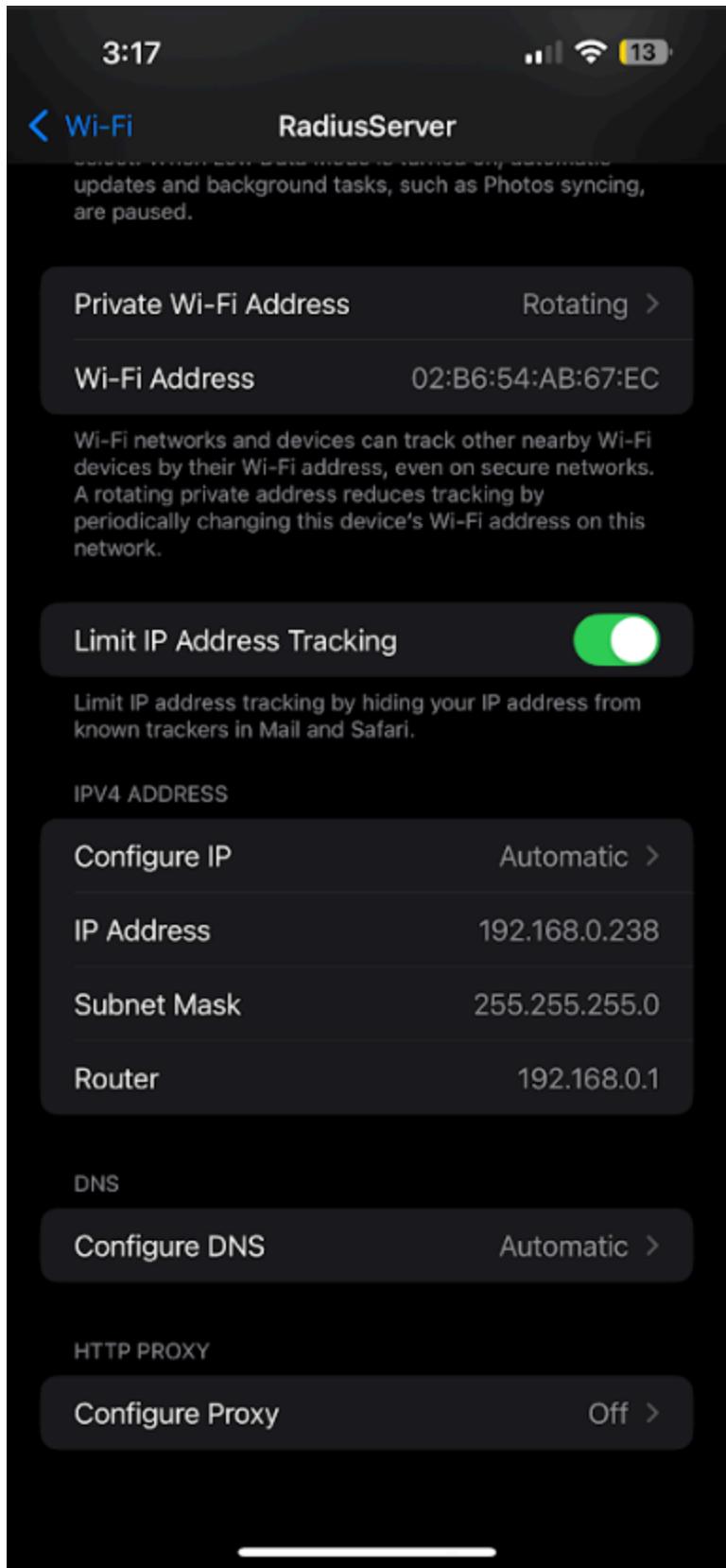
Low Data Mode helps reduce your iPhone data usage over your cellular network or specific Wi-Fi networks you select. When Low Data Mode is turned on, automatic updates and background tasks, such as Photos syncing, are paused.

Private Wi-Fi Address

Rotating >

Wi-Fi Address 02:B6:54:AB:67:EC

The username as seen covered, is set as bill, showing that is how I authenticate into the network



The IP address for this device is 192.168.0.238

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>ping 192.168.0.238

Pinging 192.168.0.238 with 32 bytes of data:
Reply from 192.168.0.238: bytes=32 time=87ms TTL=64
Reply from 192.168.0.238: bytes=32 time=90ms TTL=64
Reply from 192.168.0.238: bytes=32 time=98ms TTL=64
Reply from 192.168.0.238: bytes=32 time=107ms TTL=64

Ping statistics for 192.168.0.238:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 87ms, Maximum = 107ms, Average = 95ms
```

I have pinged my mobile device within the Radius Server VM indicating that I successfully completed network authentication.