Wireless devices are used more and more every day. Smart phones today are configured to use WiFi (Wireless Fidelity) when available to save the user on cell time. One of the things the security professional does is check for rouge access points (APs) on their network that can lead to vulnerability. This week, the lab will allow you to use a tool to scan APs. The tool used for this in Windows is Vistumbler. This software is safe to install and use. If you have a Mac, a similar software is WiFi Explorer Lite. If you can't install the software or don't want to install the software, you can coordinate to check out a laptop from the Cyber Lab at the Sarpy County Center.
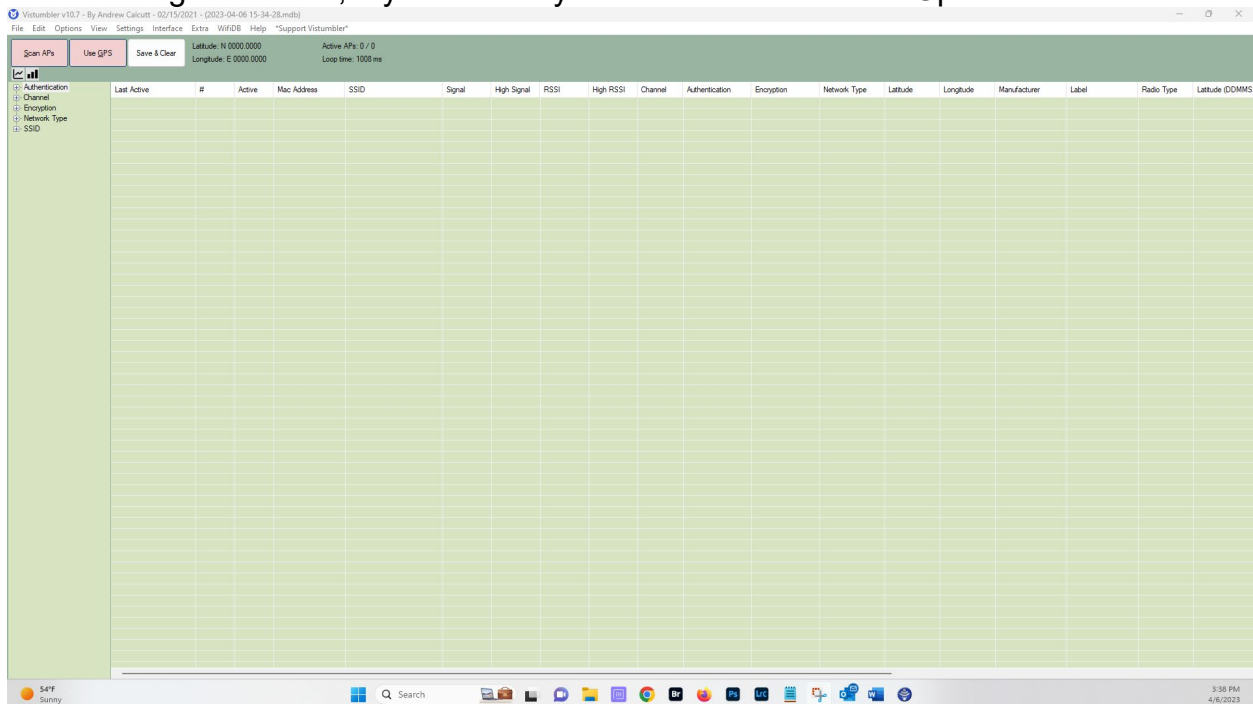
Using the scanner tool, you can have someone to drive you around your neighborhood or you can walk around the neighborhood to identify Wireless access points. This is only Identify and document APs and other devices the tool picks up during the lab.

When Vistumbler opens, in the right pane, scroll all the way to the right, click on the header of the Last Updated column and drag it all the way to the left to make it the first column in the pane. **All screen captures must show the Last Updated column.**

If you are using WiFi Explorer Lite, move the Seen column to the left side so it can be seen in the captures.

Launch the tools and paste a screen capture below this line.

I'm not sure if this means open Vistumbler or start scanning and then screenshot, so I am including both. Also, my column says "Last Active" not "Last Updated"

What are some of the SSIDs (Service Set Identifiers) you saw during the lab?

CoxWifi, Oden's Beard, 872608, Linksys03284

Were any other devices such as printers or IoT (Internet of Things) devices appearing on the scan? List any devices you found on the scan that were IoT or other devices.

No devices or IOT devices column

What choose at least three of the APs you found, what is the encryption being used?
CoxWifi: None, Oden's Beard: CCMP, 872608: CCMP, Linksys03284: CCMP

What are the channels available?
11, 157, 1, 36, 157, 6

What WiFi standard is showing? (ie. B, G, N, AC)
There is not wifi standard information area. I'm not sure where I would find this and could not find anything on google when I searched

Which APs are closer? How do you know they are closer?
I believe I would select "Use GPS" but this option says "error loading port". Since that is not an option I would assume the listed SSIDs tab is sorting by distance

Complete a screen capture showing the scans and paste below showing the APs found.

What are the interesting things you learned doing the lab?

I learned most people used WPA2 for either personal or enterprise. Some SSID's are not titled, most manufacturers are not listed, and the basic transfer rates are nearly all the same.