



wifi-stuf



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Goals

- Wifi Scanning
- Deauth Attacks
- WPA Brute-Forcing





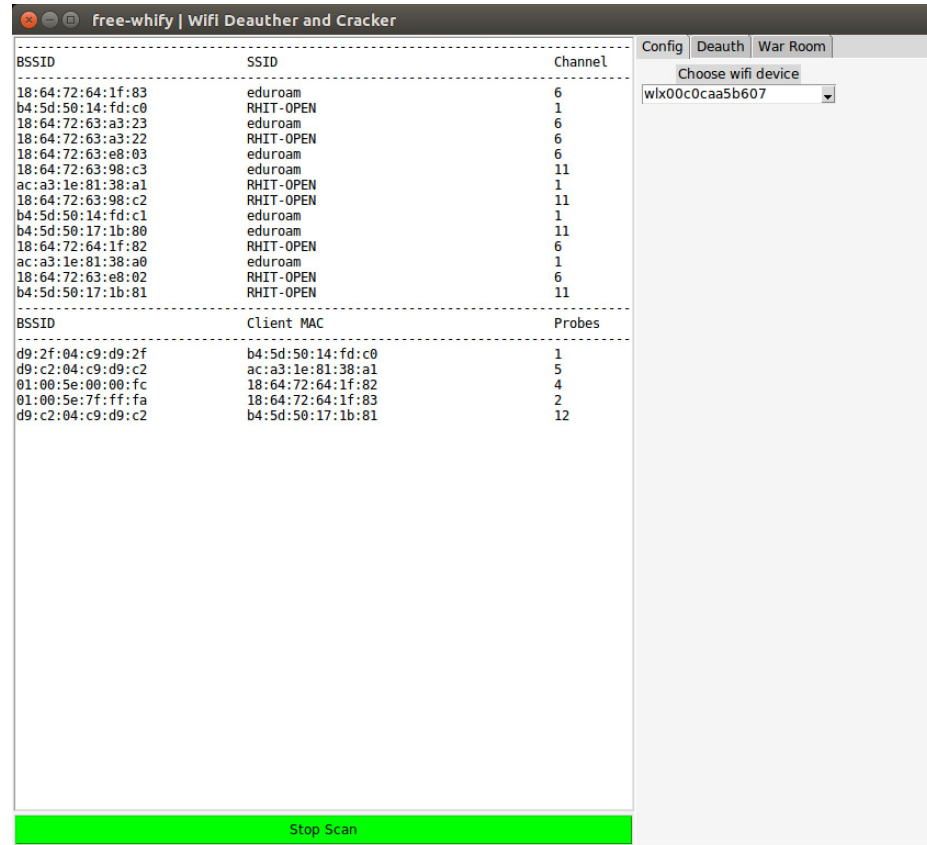
Resources

- Python
- Tkinter
- Scapy (Networking)



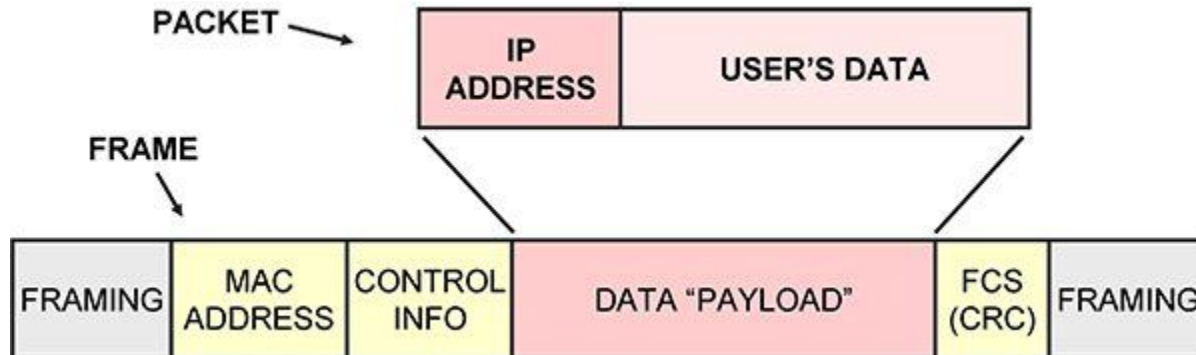
GUI

- Tkinter
- Considered web based front end



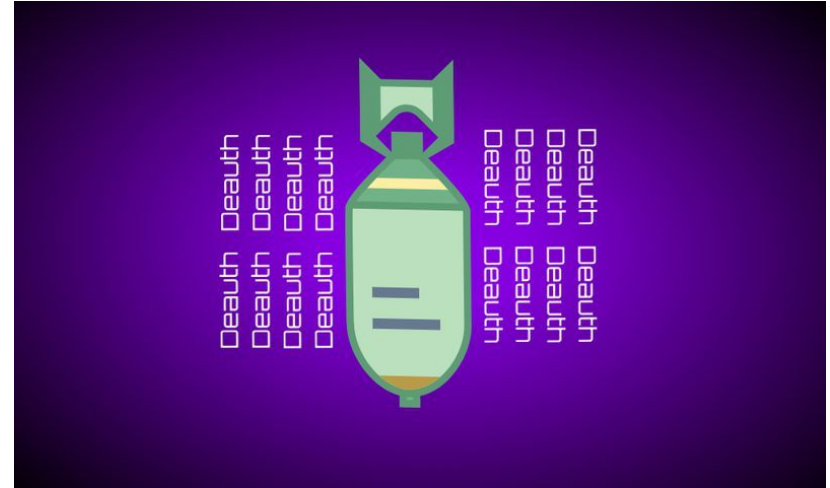
Networking with Scapy

- Scapy works at the physical layer
- Can view and inject MAC frames



Deauth Attacks

- Types
 - Single client
 - Specific access point
 - Every access point in range (Nuclear)



free-whify | Wifi Deauther and Cracker

BSSID	SSID	Channel
18:64:72:64:1f:83	eduroam	6
b4:5d:50:14:fd:c0	RHIT-OPEN	1
18:64:72:63:a3:23	eduroam	6
18:64:72:63:a3:22	RHIT-OPEN	6
18:64:72:63:e8:03	eduroam	6
18:64:72:63:98:c3	eduroam	11
ac:a3:1e:81:38:a1	RHIT-OPEN	1
18:64:72:63:98:c2	RHIT-OPEN	11
b4:5d:50:14:fd:c1	eduroam	1
b4:5d:50:17:1b:80	eduroam	11
18:64:72:64:1f:82	RHIT-OPEN	6
ac:a3:1e:81:38:a0	eduroam	1
18:64:72:63:e8:02	RHIT-OPEN	6
b4:5d:50:17:1b:81	RHIT-OPEN	11

BSSID	Client MAC	Probes
d9:2f:04:c9:d9:2f	b4:5d:50:14:fd:c0	1
01:00:5e:7f:ff:fa	18:64:72:64:1f:83	2
d9:c2:04:c9:d9:c2	ac:a3:1e:81:38:a1	6
01:00:5e:00:00:fc	18:64:72:64:1f:82	5
01:00:5e:7f:ff:fa	ac:a3:1e:81:38:a0	1
d9:c2:04:c9:d9:c2	b4:5d:50:17:1b:81	12

ConfigDeauthWar Room

Deauth Station

Target station

☐ Continuous

Deauth Network

Target network

☐ Continuous

Stop Scan

free-whify | Wifi Deauther and Cracker

BSSID	SSID	Channel
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18:64:72:63:98:c3	eduroam	11
ac:a3:1e:81:38:a1	RHIT-OPEN	1
18:64:72:63:98:c2	RHIT-OPEN	11
b4:5d:50:14:fd:c1	eduroam	1
b4:5d:50:17:1b:80	eduroam	11
18:64:72:64:1f:82	RHIT-OPEN	6
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d9:c2:04:c9:d9:c2	ac:a3:1e:81:38:a1	6
01:00:5e:00:00:fc	18:64:72:64:1f:82	5
01:00:5e:7f:ff:fa	ac:a3:1e:81:38:a0	1
d9:c2:04:c9:d9:c2	b4:5d:50:17:1b:81	12

ConfigDeauthWar Room

Nuke

Stop Scan

Deauth attacks on clients and access points (left) and for everything (right)



Hacking WPA

- Capture WPA authentication handshake
- Run a dictionary attack against it
- Half finished this



Demo



Questions?