



Wi-Fi Deauther UI

wlp5s0

0x07 - Class 3 frame received from nonassociated





Start/Stop Monitoring Mode




Deauther Attack

Stations	Access Points
48:eb:62:1f:af:63	PenPi Network
f8:ac:65:ee:22:b2	PenPi Network
00:d0:2d:49:fe:b8	08fdac
40:b8:9a:8d:f2:31	TP-Link_0424
54:13:79:94:68:fb	MyAltice 7eab1f
06:b6:b8:14:a4:58	MyOptimum ba20a7
66:50:0e:3a:38:0a	TMobileWingman
20:57:9e:3f:7e:63	Frontier7072







Wi-Fi Deauther UI

- The Network Interface combobox is the first combobox. The user will select their device's wireless interface that will be used to carry out the attack.

- *The Reasons List is the second combobox. This allows the user to select the reason the device wants to disconnect.*
- *The Monitoring Mode button creates a monitoring interface from the selected network interface. The new monitoring interface can filter nearby network traffic.*
- *The Deauth Attack button will send deauth packets to the selected device in the table. These packets will tell the access point that the device at the selected mac address wants to disconnect for the reason specified in the second combobox.*
- *The table lists the mac address of nearby devices found by the monitoring interface.*

Known Bugs

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0x01 - Unspecified reason
0x02 - Previous authentication no longer valid
0x03 - Deauthenticated because sending station is leaving
0x04 - Disassociated due to inactivity
0x05 - Disassociated because WAP device is unable to handle currently associated STAs
0x06 - Class 2 frame received from nonauthenticated STA
0x07 - Class 3 frame received from nonassociated STA
0x08 - Disassociated because sending STA is leaving or has left Basic Service Set (BSS)
0x09 - STA requesting (re)association is not authenticated with responding STA
0x0a - Disassociated because the information in the Supported Channels element is unacceptable
0x0b - Disassociated because the information in the Supported Channels element is unacceptable
0x0c - Disassociated due to BSS Transition Management
0x0d - Invalid element, that is, an element defined in this standard for which the content does not meet the specifications in Clause 8
0x0e - Message integrity code (MIC) failure
0x0f - 4-Way Handshake timeout
0x10 - Group Key Handshake timeout
0x11 - Element in 4-Way Handshake different from (Re)Association Request/Probe Request/Beacon Frame
0x12 - Invalid group cipher
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- *The frame for Reasons List dropdown extends beyond the length of the text.*
 - *QComboBox does not support word wrapping. Word wrapping can be achieved by creating a list view, enabling word wrapping for the list view, and assigning the list view to QComboBox.*
 - *The text will wrap to the next line, but the frame stays the same length.*
 - *Most of the excess frame was off screen on the PenPi, so the issue was less noticeable.*
- *The combobox frequently closes immediately after opening.*

- *This is a calibration issue that may either stem from the touchscreen calibration or Qt's handling of input.*
- *This can be worked around by pressing the combobox and dragging your finger to the option you would like to select.*
- *The Deauth Attack causes input lag on the PenPi.*
 - *This issue was not observed while testing on a higher end system.*
 - *The mail icon blinks erratically and the deauth button sometimes doesn't respond to input.*
 - *This may be resolved by using QThreads in a similar manner to how we handled packet filtering.*
 - *The attack could be running in its own thread, without affecting the app's ui.*