

Milestone #4

NetBSD Wifi Browser Project 2022
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1 General Progress Report

Progress in the API was brought to a version 1.0 fully functional state during the progress of Milestone 5. During this time, the API removed the use of file I/O, making it possible to use the API without root permissions if operating on a configuration file that is not accessible without root permission. The API is currently in development for v1.01 which will feature cleaner output, especially when listing scanned networks and configured networks, making it easier for user interface implementers to utilize the data passed to it.

Accomplishments

- Wifi Browser API v1.0 is finished and fully functional!

Targets Not Met:

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2 Git Branch Report

One additional branch was used to clean up the output provided by `wpa_supplicant` (branch `output`) to preserve the functionality of the API in v1.0 state. Beyond this, most work was performed on `master`.

3 Individual Progress

Kevin:

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Dylan:

- Finished API to v1.0
- Converted all configuration manipulation to `wpa_supplicant`'s provided interface (`wpa_ctrl`)
- Removed the necessity for root permissions in using the API
- Reimplemented editing of network configurations to be more expandable and easier for developers to utilize
- Implemented auto WPA-EAP network configuration
- Started `wpa_supplicant` output cleanup for easier use in user interface implementation.

Stephen:

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