wpa-cute

Name

`wpaCute` — A graphical wpa_supplicant front end

Synopsis

wpa-cute [-i *ifname*] [-m *seconds*] [-N] [-p *path-to-ctrl-sockets*] [-q] [-t] [-W]

Overview

wpaCute is a graphical Qt front end program for interacting with wpa_supplicant. It's used to query current status, change configuration and request interactive user input.

It supports (almost) all of the interactive status and configuration features of the command line client, wpa_cli. Refer to the wpa_cli man page for a comprehensive list of the interactive mode features.

wpaCute is a fork from wpa_gui, shipped with wpa_supplicant version 2.6

Command Arguments

-i ifname

Specify the interface that is being configured. By default, choose the first interface found with a control socket in the socket path.

-m seconds

Set an independent update interval in seconds for the signal strength meter.

This value must be a positive integer. Without `-m` the signal meter is only updated at each status update. See also the notes about polling and pinging.

-N

Force not to use QSocketNotifier, use only polling. It's more for testing purposes.

-p path

Change the path where control sockets should be found.

-q

Run program in the quiet mode - do not display tray icon pop-up messages.

-t

Start program in the system tray only (if the window manager supports it). By default the main status window is shown.

-W

Unset setting - Disable network after "WRONG_KEY"

This a workaround to a wpa_supplicant quirk where he endless tries to connect to a wrong configured network. There are cases where it is a good idea, but I believe it is mostly annoying due to it's implementation. If I'm wrong, use `-W` to have the original behavior. By default will now a network disabled after a "WRONG_KEY" message.

Things Of Interest

Polling And Pinging

On systems where QSocketNotifier is not supported is wpa_supplicant only polled to fetch status changes.

One ambitious development goal was to drop the need for Polling & Pinging on systems where QSocketNotifier is supported. But it turned out that this was a road to ruin due to the lack of some 'Status Has Changed Message' from wpa_supplicant. And finally would than still the problem be left that wpa_supplicant could silently die without some sigh. So, we are doomed to poll!

The polling is now not done in a fixed interval but depends on current status and reach from high frequent polling in 1sec, when probably changes are on the way, down to 20sec in some static status where primally is checked if someone is still alive.

With the main window visible is polled in 5sec. Only in (the unthinkable) case of an fatal error is polling halted.

Edit Network

The window morphs its look to show always only what is needed, or can be used, to some selections you made. If you encounter some misbehaviour please report.

Entered secrets will not shown again when you edit a network. Only a hint that there is a password or key saved. I'm not a friend of that because while messing around to get a connect you can't check if you miss typed the password or something different is the problem.

When you add, delete or modify a network are these changes only made in a temporary manner inside the running wpa_supplicant. They take effect as long as the wpa_supplicant is not terminated or triggered to reload its configuration. You have to save the changes explicit. This is different from the original wpa_gui.

Right now is the behaviour, which data are changed (send to wpa_supplicant) not coherend. It depends sometimes if they are visible when you "Apply" or not. Your removed data are not everytime forced to remove by wpa_supplicant. It's a little messi, sorry. Needs love and reports.

Right now will no data explicit removed when they are not visible. The wpa_supplicant documentation describes that you can have a pretty mix of possible settings which are all tested when wpa_supplicant tries to connect to some accesspoint. I'm not sure if this is really a smart decison.

Long story, short sense: Don't expect to have a "clean" configured network block in your config file after you have clicked around to find a working setup.

Peers

While transforming some code from old-school C/C++ to a more Qt like style, I noticed some wpa control request that are not, or in a different way, supported by wpa_cli. So you may encounter some disappointments. I haven't played much with the peers window.

See Also

wpa_cli(8) wpa_supplicant(8)

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