NAME

wpa_supplicant - WPA/802.11i Supplicant for wireless network devices

SYNOPSIS

wpa_supplicant [-**BdhKLqstuvW**] [-**b** *br_ifname*] -**c** *config-file* [-**C** *ctrl*] [-**D** *driver*] [-**f** *debug file*]
[-**g** *global ctrl*] -**i** *ifname* [-**o** *override driver*] [-**O** *override ctrl*] [-**P** *pid file*] [-**N** -**i** *ifname*
-**c** *config-file* [-**C** *ctrl*] [-**D** -**driver**] [-**p** *driver_param*] [-**b** *br_ifname*] ...]

DESCRIPTION

The **wpa_supplicant** utility is an implementation of the WPA Supplicant component, i.e., the part that
runs in the client stations. It implements WPA key negotiation with a WPA Authenticator and EAP
authentication with an Authentication Server. In addition, **wpa_supplicant** controls the roaming and
IEEE 802.11 authentication/association support of the wlan(4) module and can be used to configure
static WEP keys based on identified networks.

The **wpa_supplicant** utility is designed to be a "daemon" program that runs in the background and acts as
the backend component controlling the wireless connection. It supports separate frontend programs
such as the text-based wpa_cli(8) program.

The following arguments must be specified on the command line:

-i *ifname*
> Use the specified wireless interface.

-c *config-file*
> Use the settings in the specified configuration file when managing the wireless interface. See
> wpa_supplicant.conf(5) for a description of the configuration file syntax and contents.
>
> Changes to the configuration file can be reloaded by sending a SIGHUP to the **wpa_supplicant**
> process or with the wpa_cli(8) utility, using "wpa_cli reconfigure".

OPTIONS

The following options are available:

-b   Optional bridge interface name.

-B   Detach from the controlling terminal and run as a daemon process in the background.

-d   Enable debugging messages. If this option is supplied twice, more verbose messages are
displayed.

-D   Driver name (can be multiple drivers: nl80211,wext).

-f   Log output to debug file instead of stdout.

-g   Global ctrl_interface.

-h   Show help text.

-K   Include key information in debugging output.

-L   Display the license for this program on the terminal and exit.

-N   Start describing a new interface.

-o   Overrides driver parameter for new interfaces.

-O   Override ctrl_interface parameter for new interfaces.

-p   Specify driver parameters.

-P   File in which to save the process PID.

-q   Decrease debugging verbosity (i.e., counteract the use of the **-d** flag).

-s   Send log messages through syslog(3) instead of to the terminal.

-t   Include timestamp in debug messages.

-v   Display version information on the terminal and exit.

-W   Wait for a control interface monitor before starting.

SEE ALSO
    ath(4), ipw(4), iwi(4), ral(4), rum(4), ural(4), wlan(4), wpi(4), zyd(4), wpa_supplicant.conf(5), devd(8), ifconfig(8), wpa_cli(8)

HISTORY
    The **wpa_supplicant** utility first appeared in FreeBSD 6.0.

AUTHORS

The **wpa_supplicant** utility was written by Jouni Malinen <*j@w1.fi*>. This manual page is derived from the *README* file included in the **wpa_supplicant** distribution.