

# Connecting to the bfh Wifi with wpa\_supplicant

wpa\_supplicant is a WPA Supplicant for Linux, BSD, Mac OS X, and Windows with support for WPA and WPA2 (IEEE 802.11i / RSN).

This page describes how to connect to the BFH wireless networks via wpa\_supplicant. It is for those of us who are not luxurious enough (or too arrogant in my case) to be able to use a fancy GUI-tool.

Without further ado, this wpa\_supplicant configuration necessary to be able to connect to the network:

```
# Locked BFH network
network={
    ssid="bfh"
    key_mgmt=WPA-EAP IEEE8021X
    eap=PEAP
    auth_alg=OPEN
    phase1="peaplabel=0"
    phase2="auth=MSCHAPV2"
    identity="insert-your-bfh-identity-here"
    password="insert-your-password-here"
    priority=100
}

# Open BFH network
network={
    ssid="public-bfh"
    key_mgmt=NONE
    priority=0
}
```

## Troubleshooting

If you experience problems, with this configuration, you can always increase the debugging level `-d` or `-dd`. If first-level authentication fails, you can try to set the `phase1="peaplabel=1"`.

Note: This configuration was tested and is in fact working in Bern

## Installation of wpa\_supplicant

wpa\_supplicant is available from all major package management systems:

- Ubuntu/Debian: `apt-get install wpasupplicant`
- Gentoo: `emerge -av wpa_supplicant`

- Arch: pacman -S wpa\_supplicant
- Redhat/Fedora: yum install wpa\_supplicant
- SUSE/openSUSE: zypper install wpa\_supplicant
- FreeBSD: cd /usr/ports/security/wpa\_supplicant/ && make install or pkg\_add -vrf wpa\_supplicant

If your mood is especially adventurous today, you can even compile it from source:

[http://hostap.epitest.fi/wpa\\_supplicant/](http://hostap.epitest.fi/wpa_supplicant/)

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