

**NAME**

**networking, wifi** - quickstart guide to connecting to a network

**DESCRIPTION**

In the following examples, it is assumed that we are connecting to Ethernet with the first interface found by the em(4) driver, and Wi-Fi with the first interface found by the iwn(4) driver, though your hardware will vary.

**EXAMPLES****Connecting to an Ethernet network with DHCP:**

```
# dhclient em0
```

**Connecting to a cellular network with USB tethering:**

Load the USB tethering driver, urndis(4):

```
# kldload urndis
```

Ask for a DHCP lease on the USB tethering interface:

```
# dhclient ue0
```

**Connecting to a Wi-Fi network:**

Identify your Wi-Fi hardware:

```
% sysctl net.wlan.devices
```

Configure your Wi-Fi hardware as wlan0 interface:

```
# sysrc wlans_iwn0="wlan0"
```

Set that interface to negotiate a DHCP lease with wpa\_supplicant(8):

```
# sysrc ifconfig_wlan0="WPA SYNCDHCP"
```

Enter the details of the Wi-Fi network:

```
# wpa_passphrase "myssid" "mypassphrase" >> wpa_supplicant.conf
```

Restart the network interface daemon:

```
# service netif restart
```

**Scanning for Wi-Fi networks:**

```
% ifconfig wlan0 scan
```

**Airplane mode:**

```
# service netif stop
```

## SEE ALSO

bsdconfig(8), dhclient(8), ifconfig(8), wpa\_passphrase(8)

The Advanced Networking chapter of the FreeBSD Handbook.

## CAVEATS

Shell Special Characters in the *SSID* or *passphrase* will need to be escaped for wpa\_passphrase(8), commonly using `\`, see the manual page for your shell for more details.