

# Openconnect helpers

I wrote an `openconnect`<sup>1</sup> wrapper to help setup a vpn connection to the EPFL<sup>2</sup> network. It can of course also be used to connect to another network. The script setups routing tables and update DNS information on the client.

## 1 Download

`openconnect-helpers` is available both as a Pacman<sup>3</sup> package (x86\_64 only), or in source form. For source or Pacman installation, please refer to the Generic download and install instructions<sup>4</sup>.

There is also an Ubuntu package<sup>5</sup>, thanks to Didier Raboud.

- Latest source tarball<sup>6</sup>
- PGP signature<sup>7</sup>

## 2 Usage

There are two scripts: `vpn-connect` and `vpn-disconnect`. `vpn-connect` takes as argument the configuration file you want to use, or it will use `/etc/openconnect-helpers/default.conf` if no argument is given. Once connected, you can call `vpn-disconnect` to close the connection and revert the routing table to what it was before.

The configuration file is a simple key-value file. For example:

```
# VPN server to connect to. This is a mandatory option
VPN_SERVER="vpn.epfl.ch"
# vpnc script program to use. You can either use the one from vpnc, or use the
# ones from http://git.infradead.org/users/dwmw2/vpnc-scripts.git
SCRIPT_PROGRAM="/etc/vpnc/vpnc-script"
# Username to use when connecting. Leave blank if you want to input it
# interactively everytime or if it isn't relevant
USERNAME=""
# If you do not want to type in your password everytime, this gives a file where
```

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<sup>1</sup><http://www.infradead.org/openconnect/>

<sup>2</sup><http://www.epfl.ch/index.en.html>

<sup>3</sup><http://www.archlinux.org/pacman/>

<sup>4</sup>[http://svasey.org/projects/download-install-doc\\_en.html](http://svasey.org/projects/download-install-doc_en.html)

<sup>5</sup><https://launchpad.net/~odyx/+archive/openconnect-helpers>

<sup>6</sup><http://svasey.org/public-repo.svasey.org/src/openconnect-helpers.tar.gz>

<sup>7</sup><http://svasey.org/public-repo.svasey.org/src/openconnect-helpers.tar.gz.sig>

```
# your password is stored.
#PASSWORD_FILE="/etc/epfl-vpn.pass"
PASSWORD_FILE=""
# SHA1 SSL fingerprint of the your vpn server
SERVER_SHA1=""
# Path to SSL certificate of server (or CA having signed the server's
# certificate)
SERVER_CERT="/etc/ssl/certs/QuoVadis_Root_CA.pem"
# Additional options that are directly passed to openconnect
ADDITIONAL_OPTS=""
```

The variables are:

- **VPN\_SERVER**: gives the address of the server you want to connect to. Mandatory.
- **SCRIPT\_PROGRAM**: script to use to setup DNS and routing table, by default use the one at `/etc/vpnc/vpnc-script`.
- **USERNAME**: The username to connect as.
- **PASSWORD\_FILE**: Path to a file containing your password, followed by a new line. This must be specified if you do not want to input your password interactively everytime.
- **SERVER\_SHA1**: The fingerprint of your vpn server's SSL certificate
- **SERVER\_CERT**: The path to your vpn server's SSL certificate
- **ADDITIONAL\_OPTS**: Additionnal options that are directly passed to openconnect.