

VPN Configuration Guide for Unix/Linux

Table of Contents

VPN Configuration Guide for Unix/Linux	1
Pulse Secure Client for Ubuntu 14.x/16.x	3
Installation.....	3
Configuration of VPN Client.....	3
Establish a VPN Connection.....	3
Disconnect the VPN Connection	3
OpenConnect Client for Fedora 23 and newer	4
Client Precheck	4
Installation.....	4
Establish a VPN Connection.....	4
Disconnect the VPN Connection	4
OpenConnect Client for Debian 8	5
Installation.....	5
Establish a VPN Connection.....	5
Disconnect the VPN Connection	5
Pulse Secure Client for CentOS 7	6
Installation.....	6
Configuration of VPN Client.....	6
Establish a VPN Connection.....	6
Disconnect the VPN Connection	6
VPN Client for RedHat	7

Pulse Secure Client for Ubuntu 14.x/16.x

Installation

1. Download the Debian Pulse Secure install package from the IT VPN download page:
<http://it.rockefeller.edu/vpn>
2. Open Terminal and cd to the location where you downloaded the installer from step 1 and run:
 - a. `sudo dpkg -i pulse.5.2R6.i386.deb`
3. If you get a message about missing dependencies, run the script as suggested on screen:
 - a. `sudo /usr/local/pulse/PulseClient.sh install_dependency_packages`
 - b. There will be a lot of downloading and installing packages. Press 'Y' when asked to install additional packages

Configuration of VPN Client

1. To run the Pulse Secure client use the 'Search button' and search for pulse
 - a. The Pulse Secure program icon should show up. For easy access you can drag it to the Launch bar
2. Run the Pulse Secure GUI program
3. Click on the '+' button
 - a. Add a name and **vpn.rockefeller.edu** as the URL

Establish a VPN Connection

1. Open Pulse Secure
2. Click **Connect**
3. Enter your log-in information when prompted

Disconnect the VPN Connection

1. Open Pulse Secure
2. Click **Disconnect**

OpenConnect Client for Fedora 23 and newer

Client Precheck

Check to see if OpenConnect is installed.

1. Open Terminal
2. Run following command: `sudo openconnect`
3. Run following command: `openconnect --version`

If the version is older than 7.08, run the following update command:

```
sudo dnf upgrade openconnect
```

Once the program has completed upgrading, check the version again by running the command in step 3 above. Version should be 7.08 or newer

Installation

If OpenConnect is not installed, follow these steps:

1. Open Terminal
2. Run following command: `sudo dnf install openconnect`
3. Once the program has been installed, check the version by running the following command as the version should be 7.08 or newer:

```
openconnect --version
```

Depending on your version of Fedora, if the installed version is older than 7.08, follow these steps:

1. Open Terminal
2. Run following commands:
 - a. `dnf remove openconnect`
 - b. `dnf install vpnc-script openssl-devel libxml2-devel`
3. Download the latest openconnect source code from here:
<http://www.infradead.org/openconnect/download.html>
4. Unpack and compile the source code by entering the following commands as root:
 - a. `tar -xzf openconnect-x.xx.tar.gz` (replace x.xx with the version)
 - b. `cd openconnect-x.xx`
 - c. `./configure --prefix= --without-gnutls`
 - d. `Make install`

Establish a VPN Connection

To establish a VPN connection, use sudo command to run the following command:

```
openconnect --juniper --no-dtls vpn.rockefeller.edu
```

Disconnect the VPN Connection

To disconnect terminate the VPN connection, close the root shell window or hold down ctrl+c on your keyboard in the root shell

OpenConnect Client for Debian 8

Installation

1. If you run Debian please install pkg-config by entering the following command as root: **apt-get install pkg-config**
 - a. Install needed libraries, open Terminal and as root, enter:

apt-get install vpnc-scripts openssl libssl-dev libxml2-dev gcc gettext pkg-config make
 - b. Download the latest version of the openconnect source code from here:
<http://www.infradead.org/openconnect/download.html>
 - c. Unpack the source code by entering the following commands as root:
 - a. tar xzvf openconnect-x.xx.tar.gz (replace x.xx with the version)
 - b. cd openconnect
 - c. ./configure --prefix= --with-vpnc-script=/usr/share/vpnc-scripts/vpnc-script --without-gnutls --without-openssl-version-check
 - d. make install

Establish a VPN Connection

To establish a VPN connection, use sudo command to run the following command:

```
sudo openconnect --juniper --no-dtls vpn.rockefeller.edu
```

Disconnect the VPN Connection

To disconnect terminate the VPN connection, close the root shell window or hold down ctrl+c on your keyboard in the root shell

Pulse Secure Client for CentOS 7

Installation

4. Download the RPM PulseSecure debian install package from the IT VPN download page:
<http://it.rockefeller.edu/vpn>
5. Open Terminal and cd to the location where you downloaded the installer from step 1 and run:
 - a. `sudo rpm -i pulse-5.2R6.i386.rpm`
6. If you get a message about missing dependencies, run the script as suggested on screen:
 - a. `sudo /usr/local/pulse/PulseClient.sh install_dependency_packages`
 - b. There will be a lot of downloading and installing packages. Press 'Y' when asked to install additional packages

Configuration of VPN Client

4. To run the Pulse Secure client use the 'Search button' and search for pulse
 - a. The Pulse Secure program icon should show up. For easy access you can drag it to the Launch bar
5. Run the Pulse Secure GUI program
6. Click on the '+' button
 - a. Add a name and **vpn.rockefeller.edu** as the URL

Establish a VPN Connection

4. Open Pulse Secure
5. Click **Connect**
6. Enter your log-in information when prompted

Disconnect the VPN Connection

3. Open Pulse Secure
4. Click **Disconnect**

VPN Client for RedHat

RedHat users should contact the IT Help Desk at x8940 or helpdesk@rockefeller.edu for a Linux technician to assist with the compiling and installation of the VPN client