

# OpenConnect

## Connecting to the Purdue VPN using the OpenConnect client

Debian (from shell):

```
sudo apt-get install openconnect
sudo openconnect webvpn.purdue.edu
```

The output should look like this:

```
POST https://webvpn.purdue.edu/
Attempting to connect to server 928.910.939.931:443
SSL negotiation with webvpn.purdue.edu
Connected to HTTPS on webvpn.purdue.edu
XML POST enabled
© 2009 Purdue University. All rights reserved.
Enter your username and password below to connect
Username:<purdue-userid>
Password:
POST https://webvpn.purdue.edu/
Got CONNECT response: HTTP/1.1 200 OK
CSTP connected. DPD 30, Keepalive 20
Connected tun0 as 172.921.929.997, using SSL + deflate
Established DTLS connection (using GnuTLS). Ciphersuite AES256-SHA.
```

<Ctrl+C> will disconnect you.

Debian:

```
sudo apt-get install openconnect-network-manager-gnome
```

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### Fedora 21: (xfce4)

Install the openconnect client, Network Manager front end, and its dependencies.

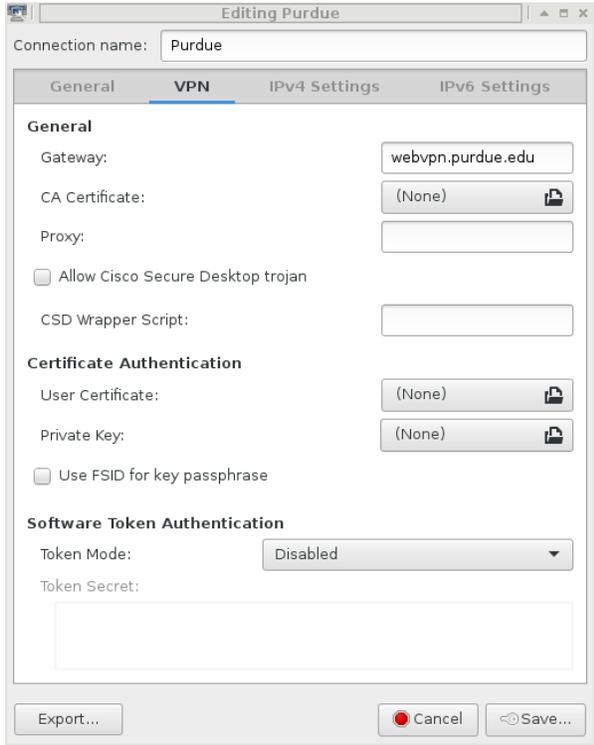
```
sudo yum install NetworkManager-openconnect
```

Go to:

- Applications
- Settings
- Network Connections

Here, you will add the VPN:

- Add
- VPN (Cisco Anyconnect Compatible - openconnect)
- Create
- Gateway: webvpn.purdue.edu



- Click Save.

To connect, click on your network connection icon. It may look similar to this:



- Select "VPN Connections"
- Select your newly created VPN connection.



- Type in your Purdue career account username and password and select 'Login'.
- You shouldn't save your password.
- A successful connection may look similar to this:



## Fedora 21: (GNOME)

Install the openconnect client, Network Manager front end, and its dependencies.

- Click Activities.
- Search and open "Terminal".
- Type the following into the terminal window.

```
sudo yum install NetworkManager-openconnect
```

- This will prompt you for your password and proceed to install the OpenConnect client and its dependencies.

Add and Configure the VPN:

- Activities.
- Search for Settings.
- Click on "Network" within the settings window.
- Click the + button to add.
- Select VPN.
- Select "Cisco AnyConnect Compatible VPN (openconnect)".
- Name the connection "Purdue".
- Gateway: webvpn.purdue.edu

The screenshot shows the 'Add Network Connection' dialog box in GNOME. The 'Identity' tab is selected, showing 'IPv4' and 'IPv6' options. The 'Name' field is set to 'Purdue', and the 'Firewall Zone' is set to 'Default'. Under the 'General' section, the 'Gateway' is set to 'webvpn.purdue.edu', and 'CA Certificate', 'Proxy', and 'CSD Wrapper Script' are set to '(None)'. There are checkboxes for 'Make available to other users' and 'Allow Cisco Secure Desktop trojan'. Under 'Certificate Authentication', 'User Certificate' and 'Private Key' are set to '(None)'. There is a checkbox for 'Use FSID for key passphrase'. Under 'Software Token Authentication', 'Token Mode' is set to 'Disabled'. A 'Token Secret' field is present but empty. 'Cancel' and 'Add' buttons are at the bottom right.

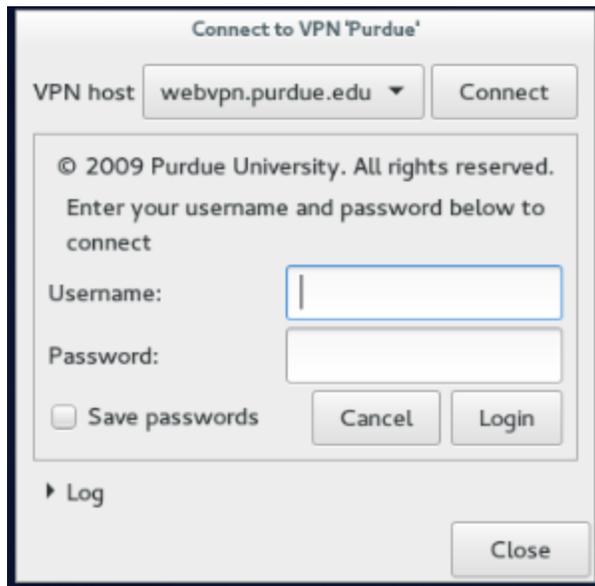
- Click "Add" to complete the configuration.

To Connect:

- Click the network connection icon in the upper right.



- VPN
- Connect



- Type in your career account username and password.
- Click "Login".
- When you are successfully connected, you will see a lock in the top right corner.



#### FreeBSD 10:

```
cd /usr/ports/security/openconnect  
make install
```

The computer should churn for a few moments while it downloads and builds OpenConnect.

```
sudo openconnect webvpn.purdue.edu
```

Enter your career account username and password when prompted.

To disconnect, press Ctrl+C from the terminal running openconnect.