Background

When connecting to a Cisco AnyConnect VPN server (as used at Deakin) there are two client options:

Cisco AnyConnect	VPN client produced by Cisco. This is only supported on a limited number of Linux distributions. This is not described in these instructions.
Open source OpenConnect	An open source implementation of the Cisco VPN client. These instructions describe how to use this to connect to Deakin's VPN.

Installation

Use your distribution's package manager to install the openconnect and associated packages.

Debian and Ubuntu

Run:
```
sudo apt-get install openconnect network-manager-openconnect network-manager-openconnect-gnome curl
```

CentOS, Fedora, and RedHat (untested)

Run:
```
sudo yum install openconnect curl <packages for openconnect networkmanager>
```

Create CSD script

Download openconnect-csd-deakin and save it to /home/*<username>*/bin/openconnect-csd-deakin
Where *<username>* is you Linux username.

openconnect-csd-deakin contains:
```
#!/bin/bash

platform_version="x86x64"

device_type="Linux-x86"

device_uniqueid="BBBBBBB"

exec curl \

--globoff \

--user-agent "AnyConnect Linux" \

--header "X-Transcend-Version: 1" \

--header "X-Aggregate-Auth: 1" \

--header "X-AnyConnect-Identifier-Platform: linux" \

--header "X-AnyConnect-Identifier-PlatformVersion: $platform_version" \

--header "X-AnyConnect-Identifier-DeviceType: $device_type" \

--header "X-AnyConnect-Identifier-Device-UniqueID: $uniqueid" \
```

```
--cookie "sdesktop=$CSD_TOKEN" \

--data-ascii @- "https://$CSD_HOSTNAME/+CSCOE+/sdesktop/scan.xml" <<END

endpoint.feature="failure";

endpoint.os.version="Linux";

END
```

Change the permissions or this file to be Executable by anyone, either by using your favourite file manger's file properties dialogue, or by running:
```
chmod +x /home/<username>/bin/openconnect-csd-deakin
```

Configure OpenConnect for Deakin

1. Click the NetworkManger icon in your system tray
2. Click "Edit Connections"
3. Click "Add new connection" or "+"
4. Select "Cisco AnyConnect Compatible VPN (openconnect)", then Create
5. Fill in the VPN tab

The CSD Wrapper Script above should contain the full path to where you installed the CSD script in "Create CSD script" above, ie /home/*username*/bin/openconnect-csd-deakin

6. Click "Save"

Start the VPN

1. Click on the NetworkManger icon in your system tray
2. Click on "VPN connections"
3. Click on "Deakin" (the connection you created above)
4. When prompted enter you Deakin username and password

Disconnect from the VPN

1. Click on the NetworkManger icon in your system tray
2. Click on "VPN connections"
3. Click on "Deakin" (the connection you created above) to untick the connection.