These instructions show you how to install and configure the AWS VPN client to connect to the AWS EC2 Linux instance provided to you.

What you'll need:

- A system running either Windows, MacOS, or Ubuntu Linux
- The VPN client and ovpn file
- The IP address and SSH key of your AWS EC2 instance

1. Create the folder to copy the VPN config file into.
   You should use the folder name and location shown below according to your Operating System, or else you will have to edit a configuration file later on with the name of the folder you created.

Folder Name (Linux)	Folder Name (Windows)	Folder Name (MAC)
/home/(name)/hfg-vpn	c:\Users\(name)\hfg-vpn	/Users/(name)/hfg-vpn

Windows and Mac
Use your OS native file manager to create the folder. Please note that you must replace "(name)" with the name of your own home directory.

Linux
eg.

```
$ sudo mkdir ~/hfg-vpn
```

2. Download the **VPN configuration file** that was provided to you into the folder you created in the step above.

3. Download the VPN client appropriate for your Operating System .

Download using the appropriate link

Operating System	Link
Windows	https://aws.amazon.com/vpn/client-vpn-download/

Apple Mac	https://aws.amazon.com/vpn/client-vpn-download/
Linux Ubuntu (18.04)	https://docs.aws.amazon.com/vpn/latest/clientvpn-user/client-vpn-connect-linux.html#client-vpn-connect-linux-install

4. Install the VPN Client

Follow the instructions below for your Operating System

Windows

Execute the installation binary you downloaded

Clieck **Next** -> **I Agree** -> **Next** (to install) -> **Close**

Mac

Use the OS native App manager to install the client

Linux (from terminal)

   a.

```
wget -q -O -
https://d20adtppz83p9s.cloudfront.net/GTK/latest/debian-repo/awsvpnclient_public
_key.asc | sudo apt-key add -
```


b. Depending on your Version:

    i. <u>Ubuntu 18.04:</u>

```
echo "deb [arch=amd64]
https://d20adtppz83p9s.cloudfront.net/GTK/latest/debian-repo
ubuntu-18.04 main" | sudo tee /etc/apt/sources.list.d/aws-vpn-client.list
```

    ii. <u>Ubuntu 20.04:</u>

```
echo "deb [arch=amd64]
https://d20adtppz83p9s.cloudfront.net/GTK/latest/debian-repo ubuntu-20.04
main" | sudo tee /etc/apt/sources.list.d/aws-vpn-client.list
```

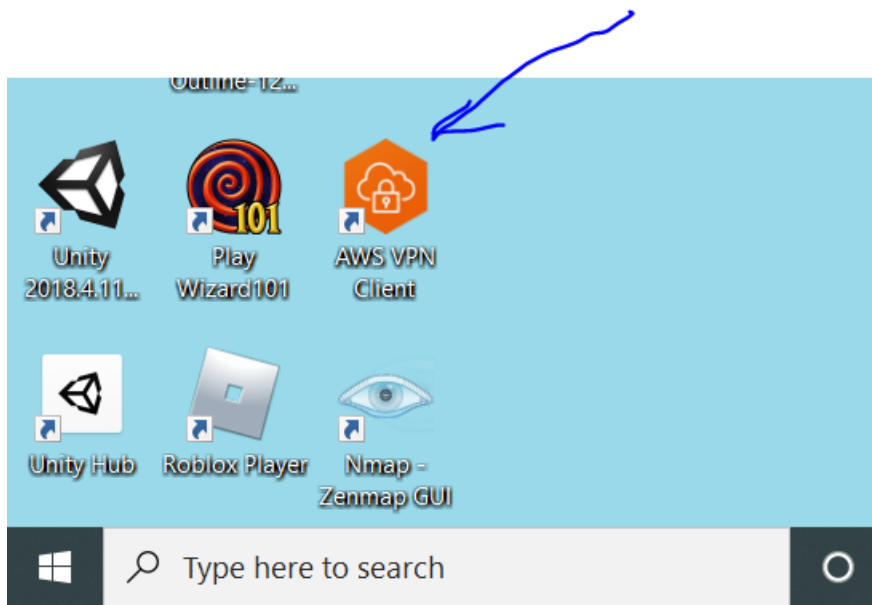c.

```
sudo apt-get update
```

d.

```
sudo apt-get install awsvpnclient
```

5. Run the VPN client

<u>Windows</u>
from the Desktop icon or from the Start menu

Mac
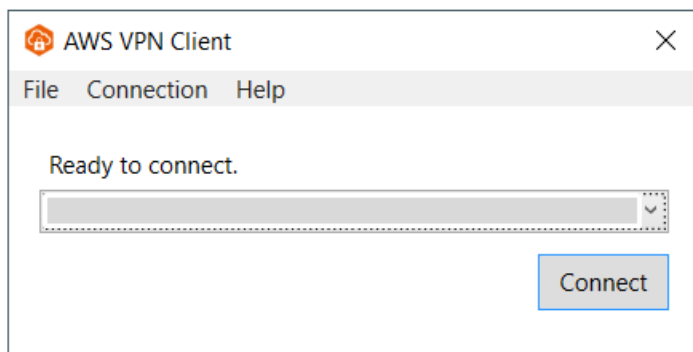Open the AWS VPN Client app

Ubuntu Linux
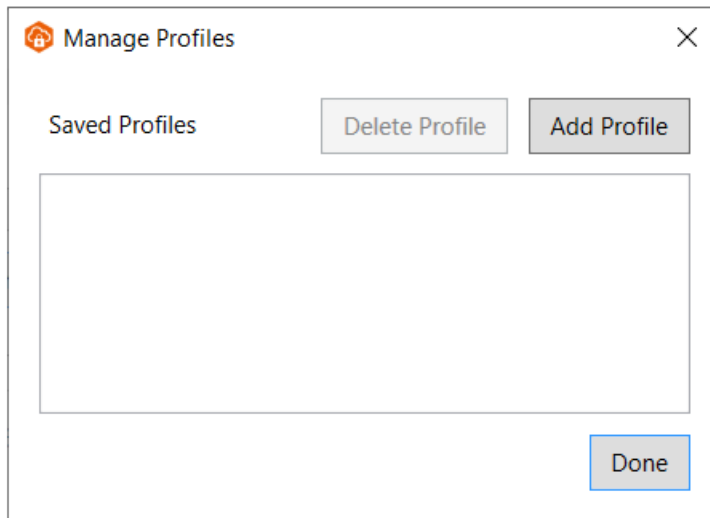This step is not required on Linux

6. Create a Profile for the VPN configuration you received.

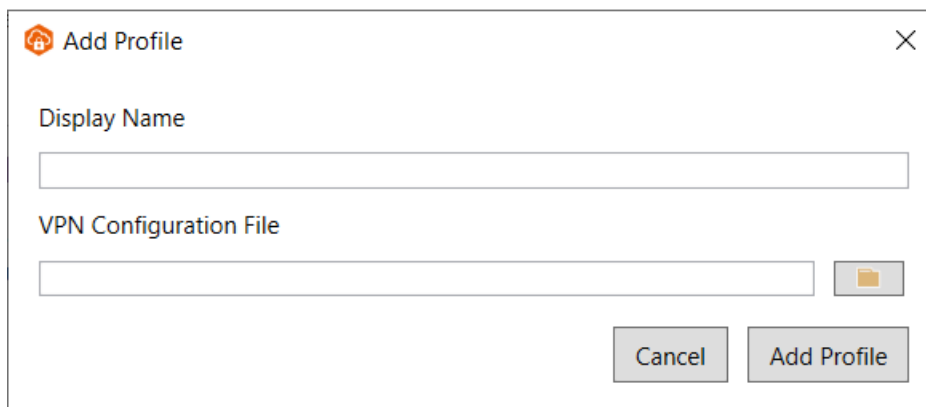   This step is the same for Windows or Mac. It's not required on Ubuntu Linux
   Windows screen shots
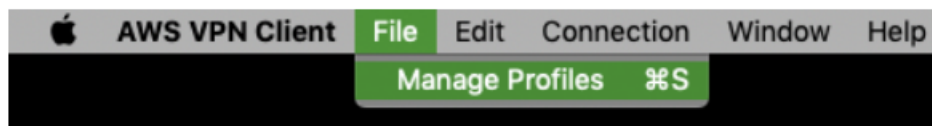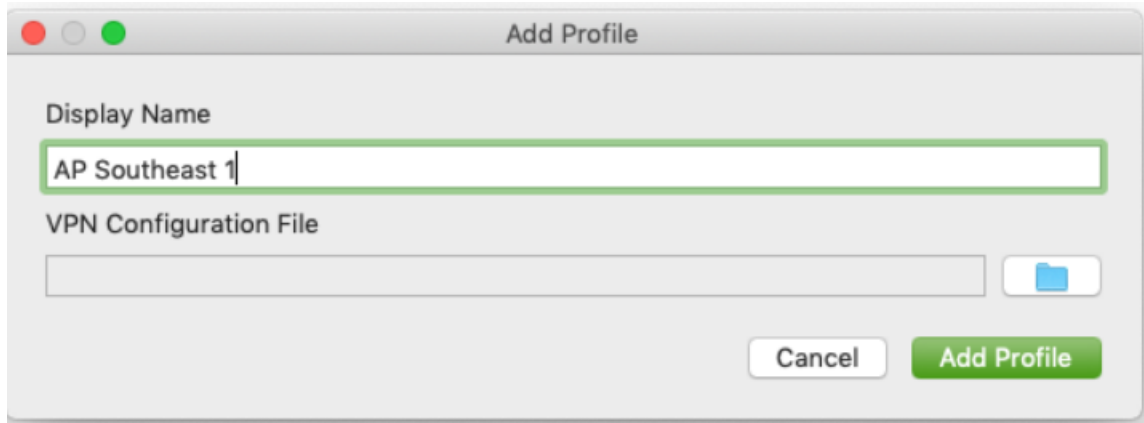   **File - > Manage Profiles -> Add Profile**

Enter a name for the profile and select the .ovpn Configuration File (the one you edited before then **Add Profile**

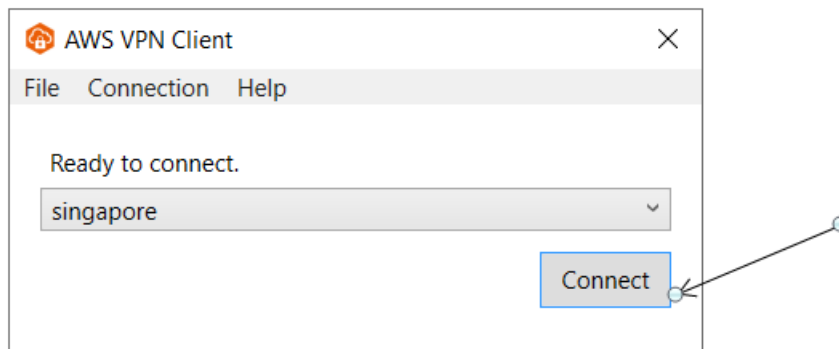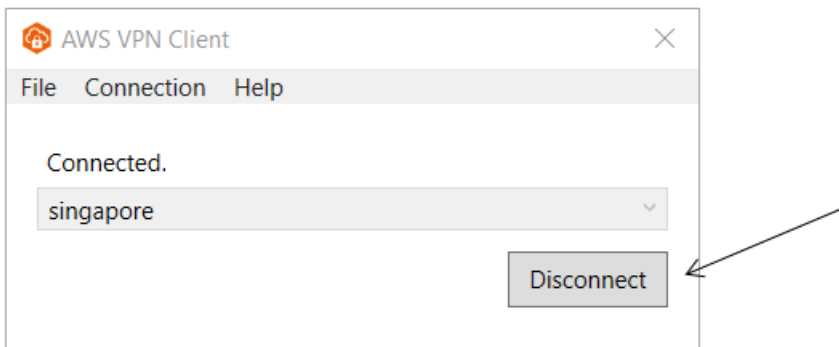

<u>Mac Screen Shots</u>

7. Establish the Connection to the VPN

   Windows & Mac

   Select the profile and Click **Connect**

Wait a few seconds and confirm the session **connects**

At this point the VPN connection is established and you can proceed to SSH into your AWS Linux system

8. Connecting to your EC2 Linux instance via SSH

   <u>Windows</u>
   Use Putty to connect to the AWS Linux host. See <u>these</u> instructions for reference Use the host **ssh key** provided to you.

   <u>Mac and Ubuntu Linux</u>
   Use the OS native ssh client to connect to the AWS Linux hosts. Use the host **ssh key** provided to you.

   SSH Syntax:

   $ ssh -i <key_name> force@<host_ip_address>

   eg.

   ```
   force@69113481-forcevm:~/Downloads$ ssh -i ubuntuKey19pem.pem ubuntu@172.26.14.188
   ***********************************************************************
   * You are accessing a secure machine that is being monitored          *
   *     Unauthorized access is prohibited                               *
   ***********************************************************************
   ubuntu@ip-172-26-14-188:~$
   ubuntu@ip-172-26-14-188:~$
   ```