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Strategic Security 2017 VPN Info



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Connecting to the lab with the InfoSecAddicts-Ubuntu VM

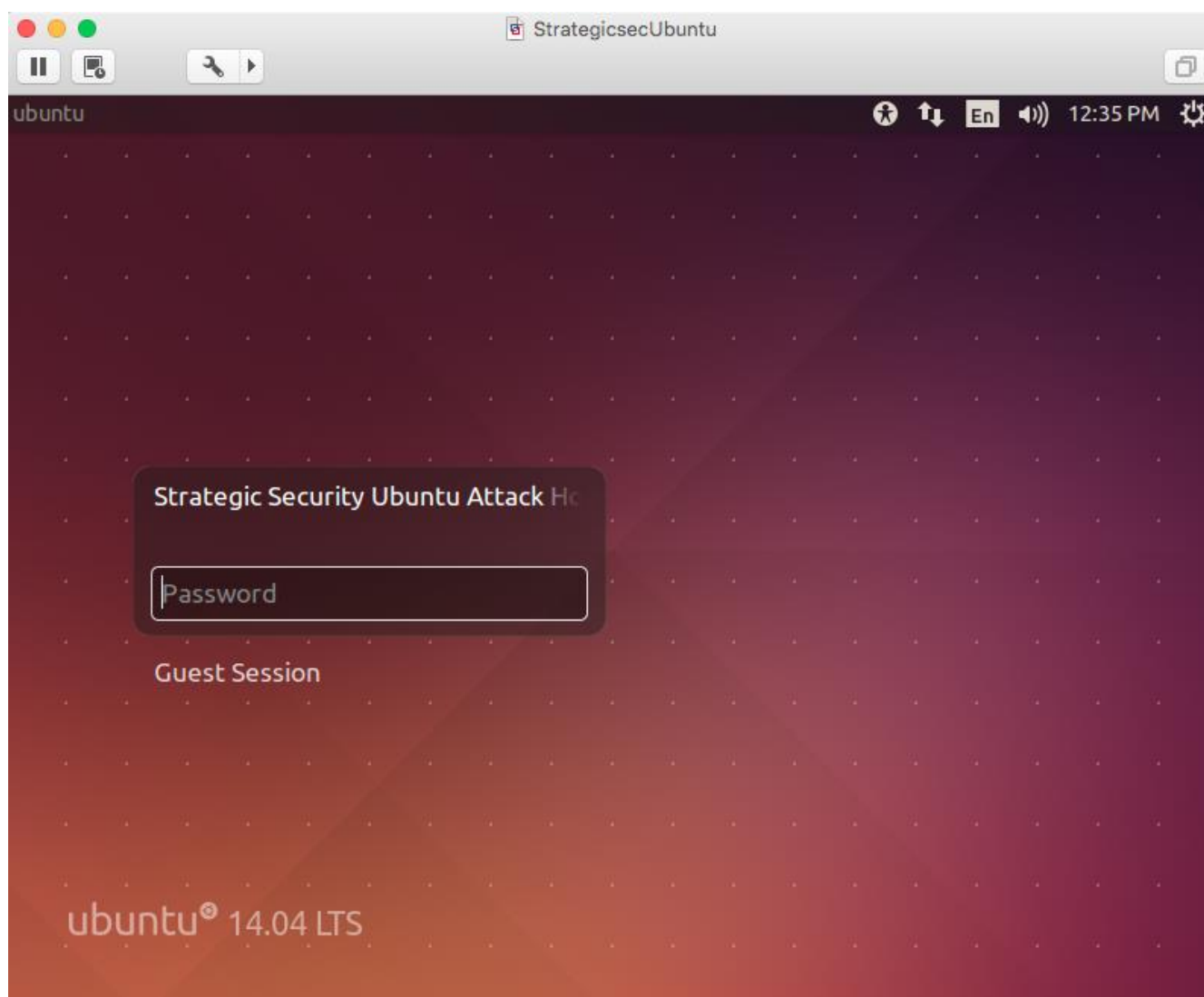
You can download the InfoSecAddicts VM from:

<https://infosecaddictsfiles.blob.core.windows.net/vms/InfoSecAddictsVM.zip>

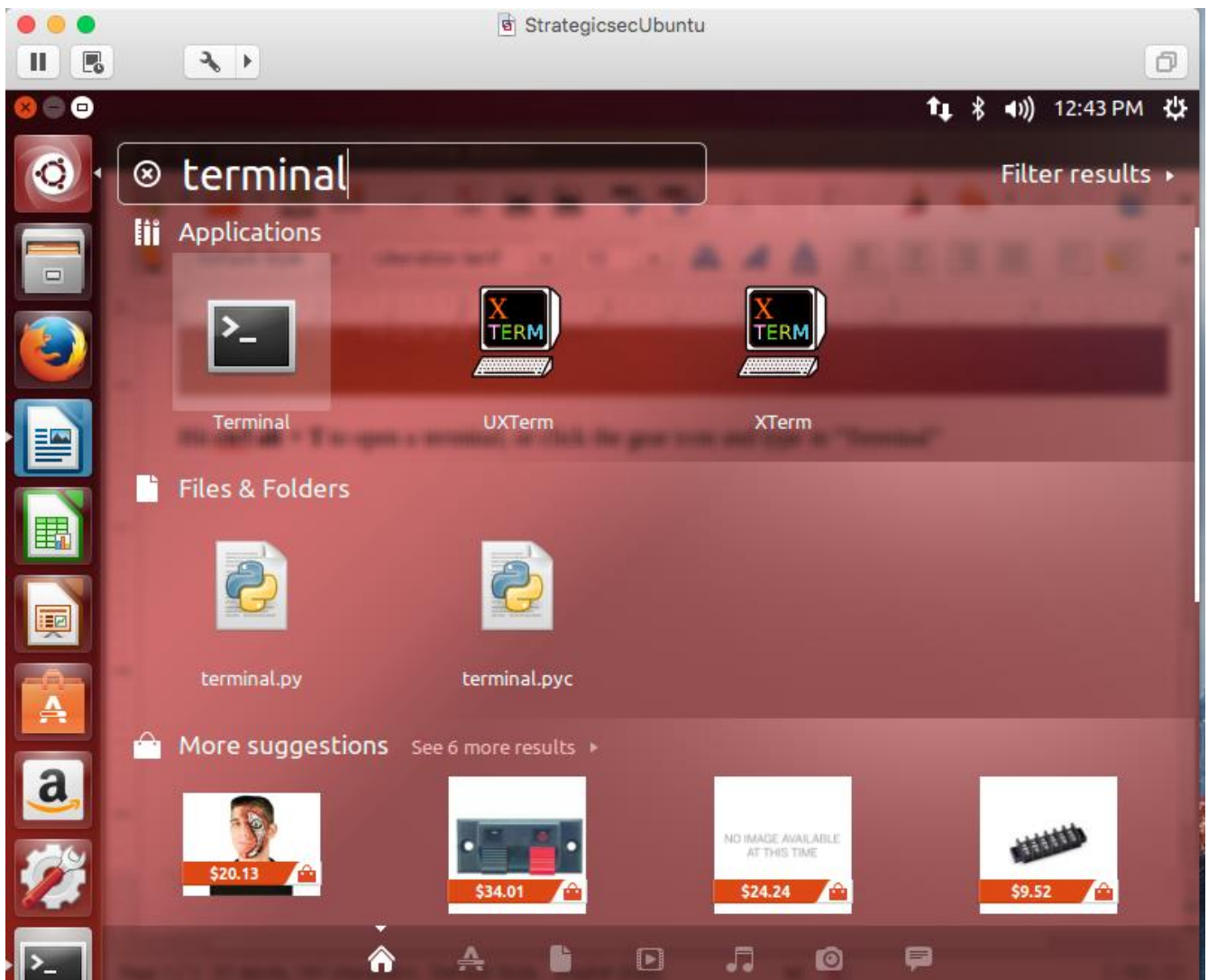
user: infosecaddicts

pass: infosecaddicts

At the login screen, enter the credentials **InfoSecAddicts** for the username and password



Hit **ctrl alt + T** to open a terminal, or click the gear icon and type in “terminal”





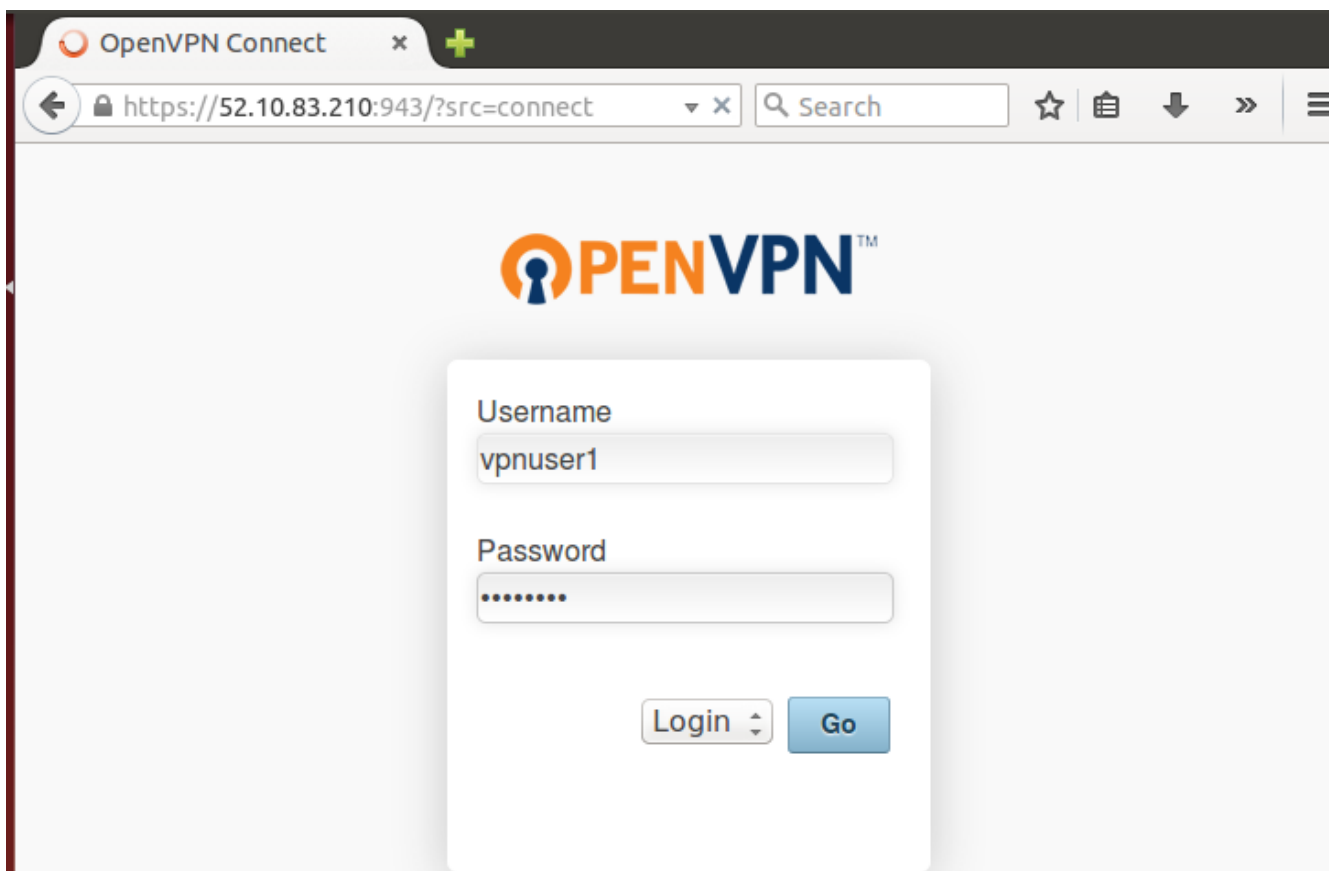
type in **sudo apt-get install openvpn**

```
strategicsec@ubuntu: ~  
strategicsec@ubuntu:~$ sudo apt-get install openvpn  
[sudo] password for strategicsec:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following extra packages will be installed:  
  libpkcs11-helper1  
Suggested packages:  
  easy-rsa  
The following NEW packages will be installed:  
  libpkcs11-helper1 openvpn  
0 upgraded, 2 newly installed, 0 to remove and 798 not upgraded.  
Need to get 432 kB of archives.  
After this operation, 1,165 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y
```

Open up Firefox and navigate to <https://54.149.185.40:943/?src=connect>

Click “I understand the risks” and “Add Exception” then “Confirm Security Exception”

Enter the username and password provided to you via email by Joe McCray:



OpenVPN Connect

https://52.10.83.210:943/?src=connect

OPENVPN™

Username
vpnuser1

Password
.....

Login Go

Click “Yourself (Autologin Profile)”

save the file



In a terminal window type **mkdir ~/Lab/ && mv ~/Downloads/client.ovpn ~/Lab/ && cd ~/Lab/**

```
strategicsec@ubuntu: ~/Lab
strategicsec@ubuntu:~$ mkdir ~/Lab/ && mv ~/Downloads/client.ovpn ~/Lab/ && cd ~/Lab/
strategicsec@ubuntu:~/Lab$
```

In a terminal type **sudo openvpn client.ovpn**

```
strategicsec@ubuntu: ~/Lab
strategicsec@ubuntu:~/Lab$ sudo openvpn client.ovpn
```

After a long string of text you should see the following once connected to the Lab environment

```
Sun Feb 28 12:53:54 2016 ROUTE remote_host is NOT LOCAL
Sun Feb 28 12:53:54 2016 /sbin/ip route add 52.10.83.210/32 via 192.168.180.2
Sun Feb 28 12:53:54 2016 /sbin/ip route add 0.0.0.0/1 via 172.27.232.1
Sun Feb 28 12:53:54 2016 /sbin/ip route add 128.0.0.0/1 via 172.27.232.1
Sun Feb 28 12:53:54 2016 Initialization Sequence Completed
```

Verify you have a lab ip address by typing **sudo ifconfig -a** in a terminal and looking for the Tap0 or Tun0 interface as seen below:

```

RX bytes:175091 (175.0 KB)  TX bytes:175091 (175.0 KB)

tun0    Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
-00
        inet addr:172.27.232.32  P-t-P:172.27.232.32  Mask:255.255.248.0
        UP POINTOPOINT RUNNING NOARP MULTICAST MTU:1500 Metric:1
        RX packets:101 errors:0 dropped:0 overruns:0 frame:0
        TX packets:123 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:100
        RX bytes:53833 (53.8 KB)  TX bytes:18193 (18.1 KB)
```




Connecting to the lab with Kali Linux

You will need your vpn username and password provided by Joseph McCray, in order to complete this installation.

Login to Kali Linux with user/pass: root/toor
(or whatever password you may have changed it to)

You'll be presented with an empty desktop. Open a Terminal window by holding down [Ctrl+Alt] and then pressing T. Or find it through the left sidebar by clicking on Dash home



then typing “terminal” in the search bar and selecting “Terminal”.

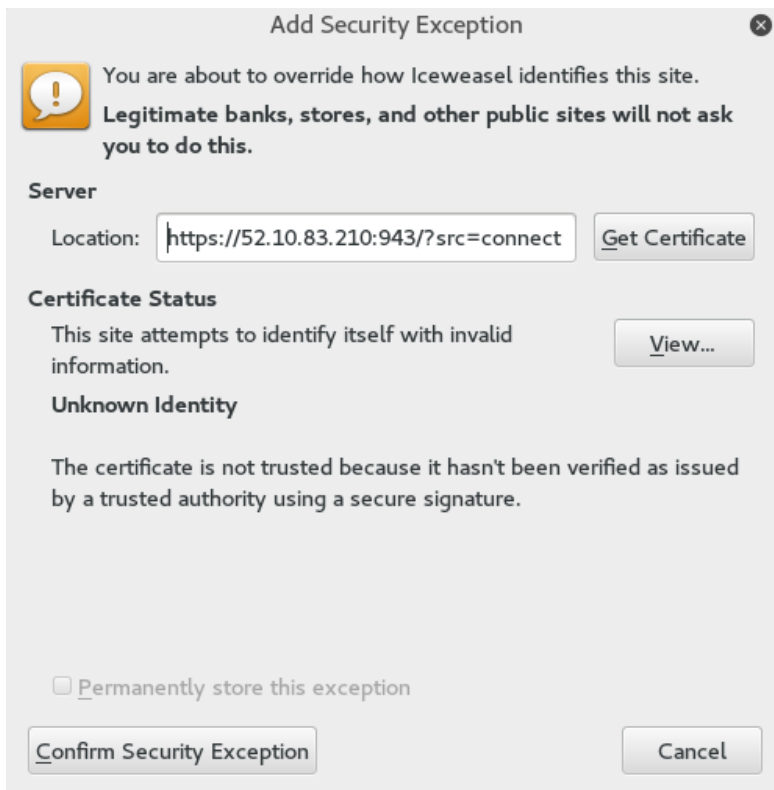
At the newly open Terminal window, type the command: **sudo -s** (enter your credentials for kali) then type the command **apt-get install openvpn**

```
root@packetassassin: ~  
File Edit View Search Terminal Help  
root@packetassassin:~# sudo -s  
root@packetassassin:~# apt-get install openvpn  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
openvpn is already the newest version (2.3.10-1).  
The following packages were automatically installed and are no longer required:  
  inguma libpython3.4-minimal libpython3.4-stdlib libqt5xcbqpa5 python-bluez  
  python-dbus-dev python-geoip python3.4 python3.4-minimal  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 428 not upgraded.  
root@packetassassin:~#
```

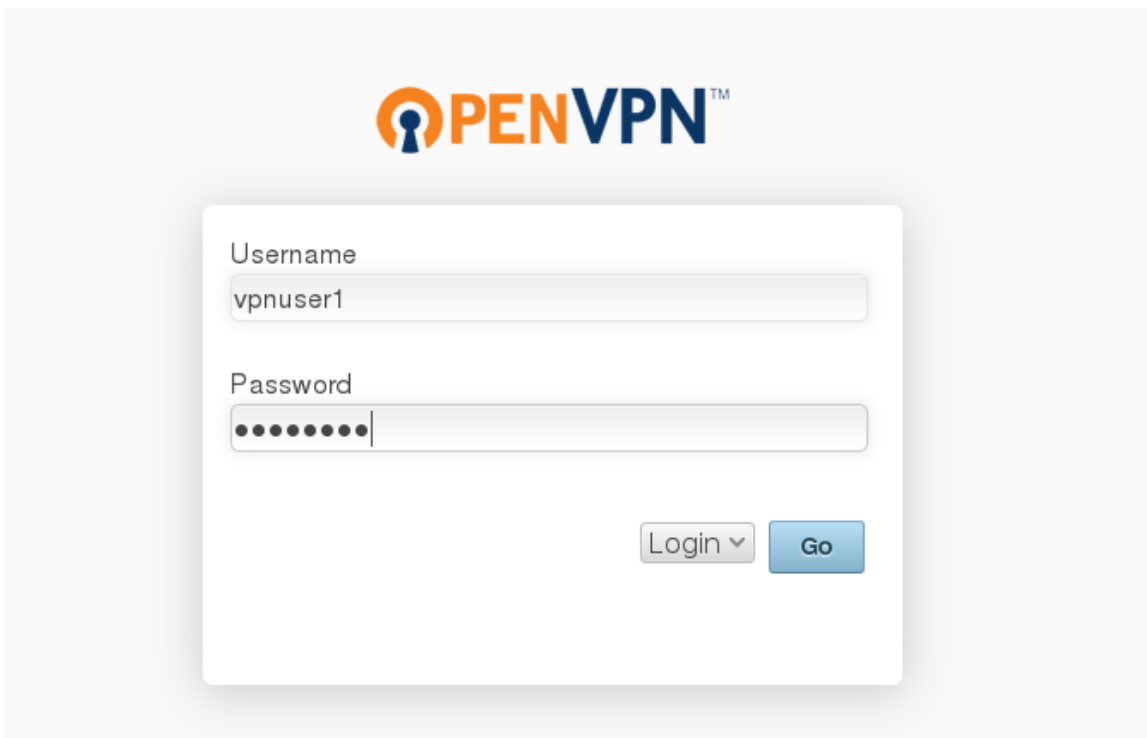


Click the iceweasel button on your tool bar to the left of the kali desktop and navigate to <https://54.149.185.40:943/?src=connect>

You will see a certificate error page. Click **Advanced** then **Add Exception** then **Confirm Security Exception**



Enter your username and password provided to you via email by Joe McCray.



Username
vpnuser1

Password
.....

Login ▾ Go

Click **Go**

Click **Yourself (AutoLogin Profile)**

Save the File



Enter the following commands **mkdir ~/Lab/ && mv ~/Downloads/client.ovpn ~/Lab/** then **cd Lab**

```
root@packetassassin: ~/Lab
File Edit View Search Terminal Help
root@packetassassin:~# mkdir ~/Lab/ && mv ~/Downloads/client.ovpn ~/Lab/
root@packetassassin:~# cd Lab/
root@packetassassin:~/Lab# ls
client.ovpn
root@packetassassin:~/Lab#
```

Next enter the command **sudo openvpn client.ovpn** You will see a long stream of text followed by the following:

```
root@packetassassin: ~/Lab
File Edit View Search Terminal Help
Sat Feb 27 23:36:47 2016 Unrecognized option or missing parameter(s) in [PUSH-OP
TIONS]:17: block-ipv6 (2.3.10)
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: timers and/or timeouts modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: explicit notify parm(s) modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: LZ0 parms modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: --ifconfig/up options modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: route options modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: route-related options modified
Sat Feb 27 23:36:47 2016 OPTIONS IMPORT: --ip-win32 and/or --dhcp-option options
modified
Sat Feb 27 23:36:47 2016 ROUTE_GATEWAY 192.168.1.1/255.255.255.0 IFACE=eth0 HWAD
DR=00:0c:29:96:c2:89
Sat Feb 27 23:36:47 2016 TUN/TAP device tun0 opened
Sat Feb 27 23:36:47 2016 TUN/TAP TX queue length set to 100
Sat Feb 27 23:36:47 2016 do_ifconfig, tt->ipv6=0, tt->did_ifconfig_ipv6_setup=0
Sat Feb 27 23:36:47 2016 /sbin/ip link set dev tun0 up mtu 1500
Sat Feb 27 23:36:47 2016 /sbin/ip addr add dev tun0 172.27.232.27/21 broadcast 1
72.27.239.255
Sat Feb 27 23:36:52 2016 ROUTE remote host is NOT LOCAL
Sat Feb 27 23:36:52 2016 /sbin/ip route add 52.10.83.210/32 via 192.168.1.1
Sat Feb 27 23:36:52 2016 /sbin/ip route add 0.0.0.0/1 via 172.27.232.1
Sat Feb 27 23:36:52 2016 /sbin/ip route add 128.0.0.0/1 via 172.27.232.1
Sat Feb 27 23:36:52 2016 Initialization Sequence Completed
```

When this completes, you can open another Terminal window or tab and type the command: **sudo ifconfig**

This will show you all of your network interfaces and you can verify that a tun0 interface has been created and you have been assigned an ip address in the lab.

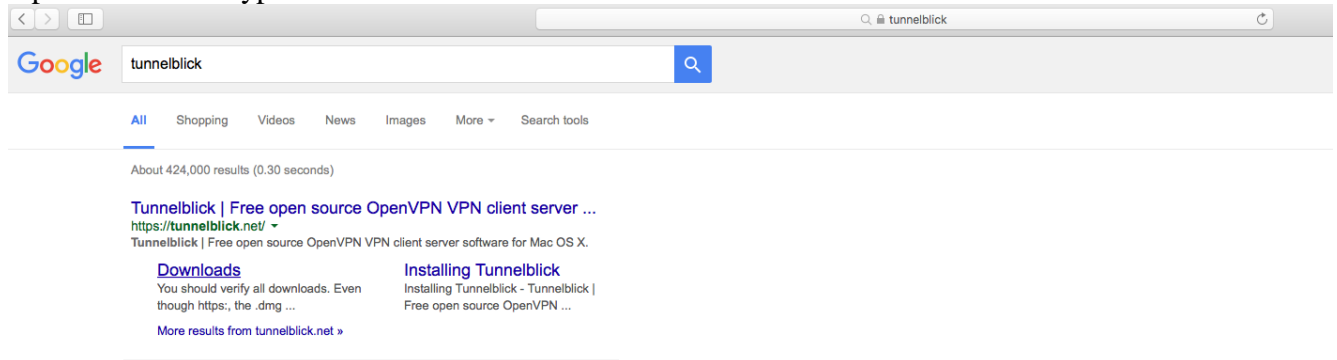
```
root@packetassassin: ~  
File Edit View Search Terminal Help  
root@packetassassin:~# sudo ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.1.25 netmask 255.255.255.0 broadcast 192.168.1.255  
    inet6 fe80::20c:29ff:fe96:c289 prefixlen 64 scopeid 0x20<link>  
    ether 00:0c:29:96:c2:89 txqueuelen 1000 (Ethernet)  
    RX packets 87024 bytes 128826968 (122.8 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 32256 bytes 2227082 (2.1 MiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 0 (Local Loopback)  
    RX packets 24 bytes 1440 (1.4 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 24 bytes 1440 (1.4 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
tun0: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1500  
    inet 172.27.232.27 netmask 255.255.248.0 destination 172.27.232.27  
    unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00 txqueuelen 100  
(UNSPEC)
```

Congratulations you are ready to begin working in the Strategic Security Lab!

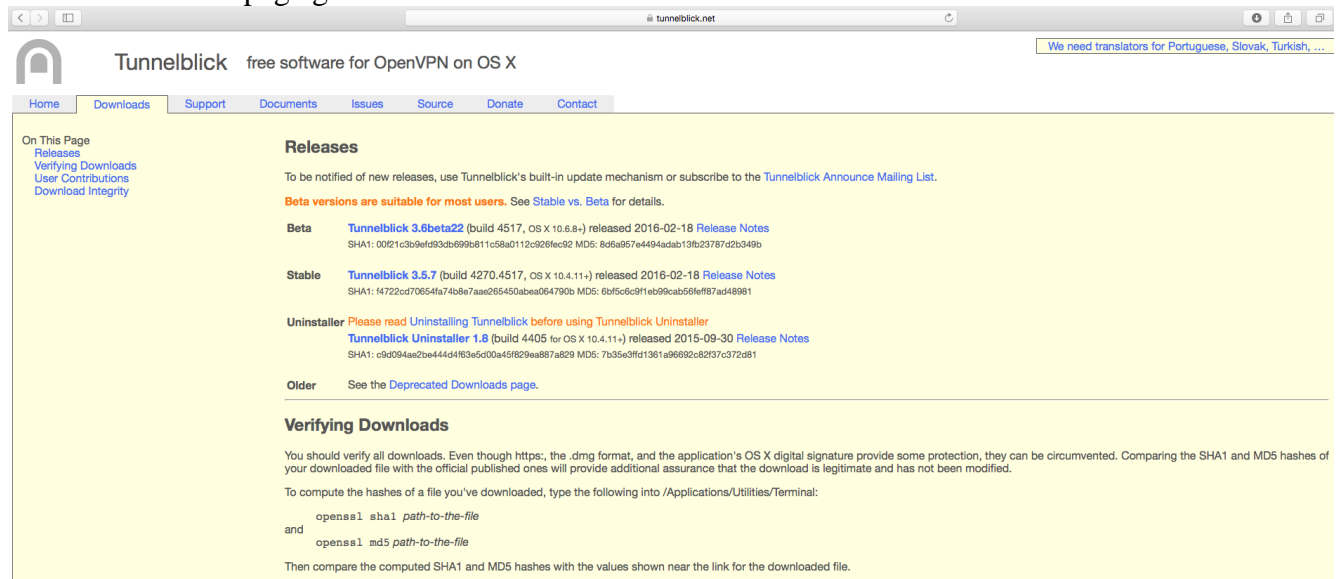


Connecting to the lab with Mac OS X

Open Safari and type in Tunnelblick and Click Downloads



In the Downloads page go to **Stable** and click **Tunnelblick 3.5.7**



It will download as **Tunnelblick_3.5.7.x.x.dmg** and double click that file

The screenshot shows the Tunnelblick website in a web browser. The page has a navigation bar with links: Home, Downloads, Support, Documents, Issues, Source, Donate, and Contact. A sidebar on the left lists 'On This Page' with links to Releases, Verifying Downloads, User Contributions, and Download Integrity. The main content area is divided into sections: 'Releases' with links to Beta and Stable versions (Tunnelblick 3.6beta22 and Tunnelblick 3.5.7) and an Uninstaller; 'Verifying Downloads' with instructions on how to verify file hashes; and 'User Contributions' with a list of scripts and files contributed by users. The bottom of the page shows a Mac OS X desktop environment with various application icons in the dock and a file manager window open.

Releases

To be notified of new releases, use Tunnelblick's built-in update mechanism or subscribe to the [Tunnelblick Announce Mailing List](#).

Beta versions are suitable for most users. See Stable vs. Beta for details.

Beta [Tunnelblick 3.6beta22](#) (build 4517, OS X 10.6.8+) released 2016-02-18 [Release Notes](#)
SHA1: 00f21c3b9ef93db699b811c58a0112c926fec92 MD5: 806a957e4494adab13fb23787d2b349b

Stable [Tunnelblick 3.5.7](#) (build 4270.4517, OS X 10.4.11+) released 2016-02-18 [Release Notes](#)
SHA1: 14722cd70654fa74b8e7aa265450abea064790b MD5: 6bf5c6c9f1eb99cab56f87ad48981

Uninstaller [Please read Uninstalling Tunnelblick before using Tunnelblick Uninstaller](#)
[Tunnelblick Uninstaller 1.8](#) (build 4405 for OS X 10.4.11+) released 2015-09-30 [Release Notes](#)
SHA1: c0d094ae2be44d4f63e5d00a45f829aea887a829 MD5: 7b35a3ff1d1381a96692c82f37c372d81

Older See the [Deprecated Downloads page](#).

Verifying Downloads

You should verify all downloads. Even though https, the .dmg format, and the application's OS X digital signature provide some protection, they can be circumvented. Comparing the S your downloaded file with the official published ones will provide additional assurance that the download is legitimate and has not been modified.

To compute the hashes of a file you've downloaded, type the following into /Applications/Utilities/Terminal:

```
openssl sha1 path-to-the-file
and
openssl md5 path-to-the-file
```

Then compare the computed SHA1 and MD5 hashes with the values shown near the link for the downloaded file.

User Contributions

These downloads have been contributed by users and usually help deal with special circumstances. They are not endorsed or checked by the Tunnelblick project, and use them at your own risk. To contribute a download, [send it to the developers](#) or post it on the [Tunnelblick Discussion Group](#).

Before using these scripts, please read [Tunnelblick and VPNs: Privacy and Security](#). (Actually, "everyone" using a VPN should read that!)

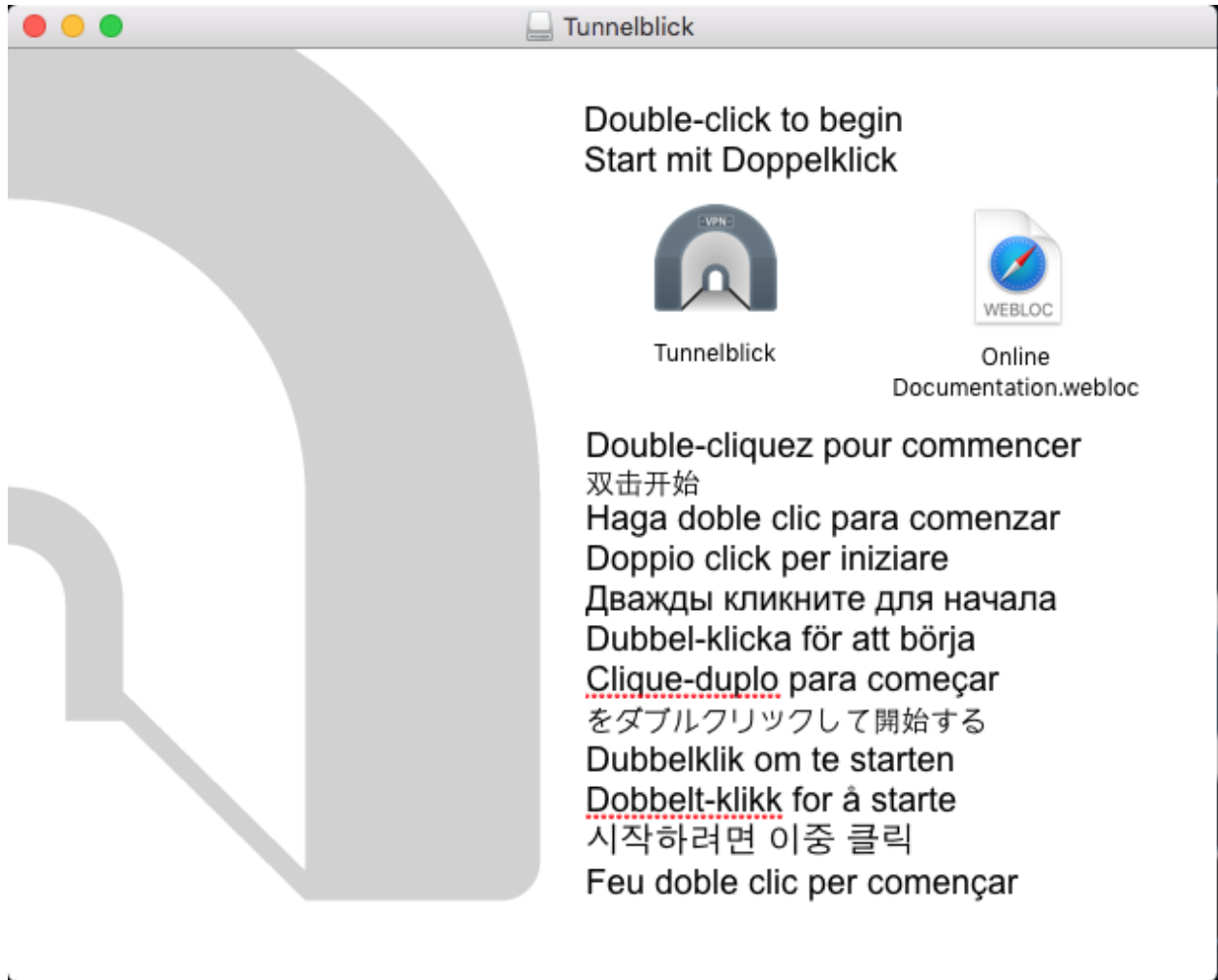
Note: these scripts are executed as root. Instructions for using scripts.

Scripts to Unload Cisco Tun Kext: [user-contributed-001-pre-post.zip](#)
SHA1: d3b39a22844e2862be7d55059581a85698930b28 MD5: f0f484864697607ee5c7206a5b056b12
Contributed by "petlepoco".
These scripts unload the Cisco AnyConnect tun kext before a Tunnelblick connection is started, and reload the Cisco tun kext after a Tunnelblick connection is started. (The Cisco ke Tunnelblick's operation of tun connections.)

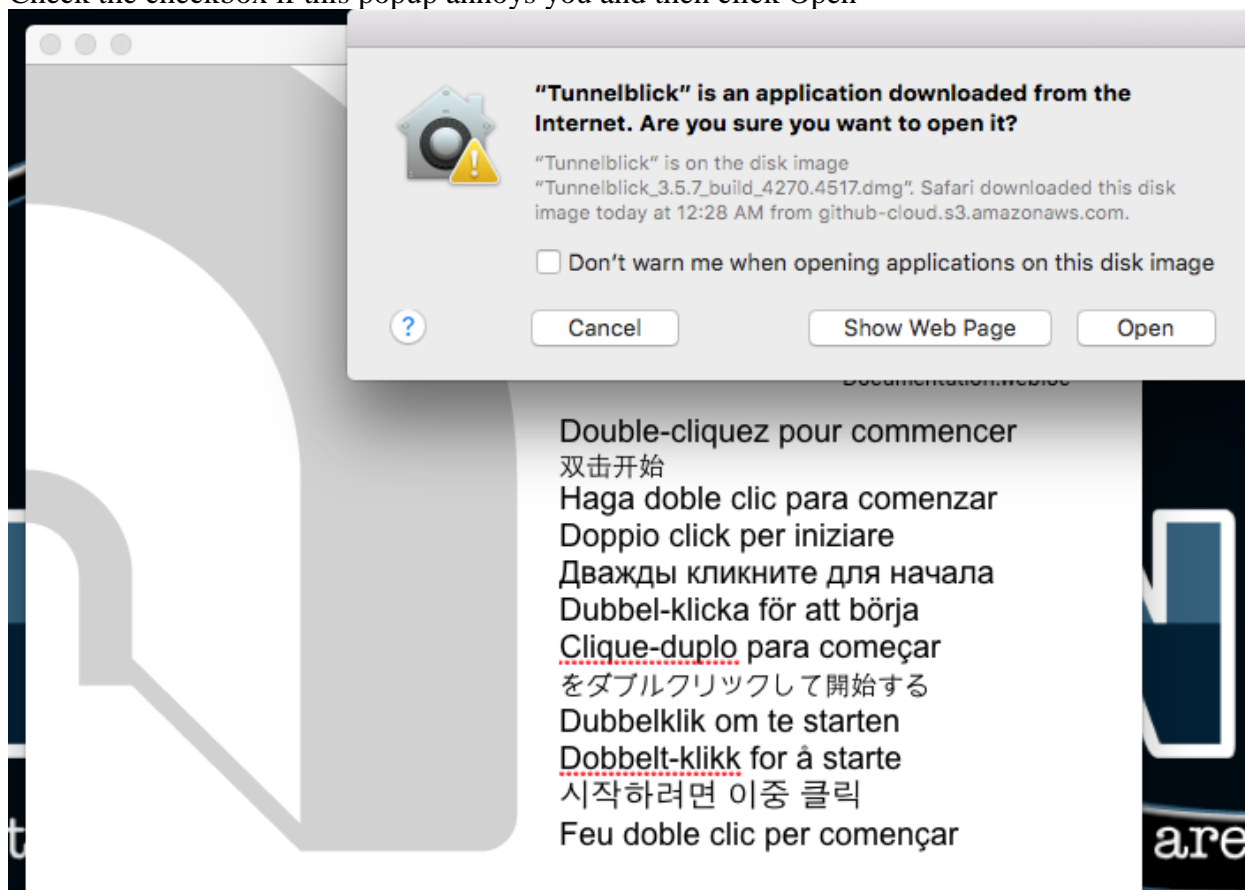
Open in Finder
VPN Setup.docx
openvpn-connect-2.0.18.202.dmg
Tunnelblick_3.5.7.build_4270.4517.dmg
(The Cisco ke



Double click **Tunnelblick**

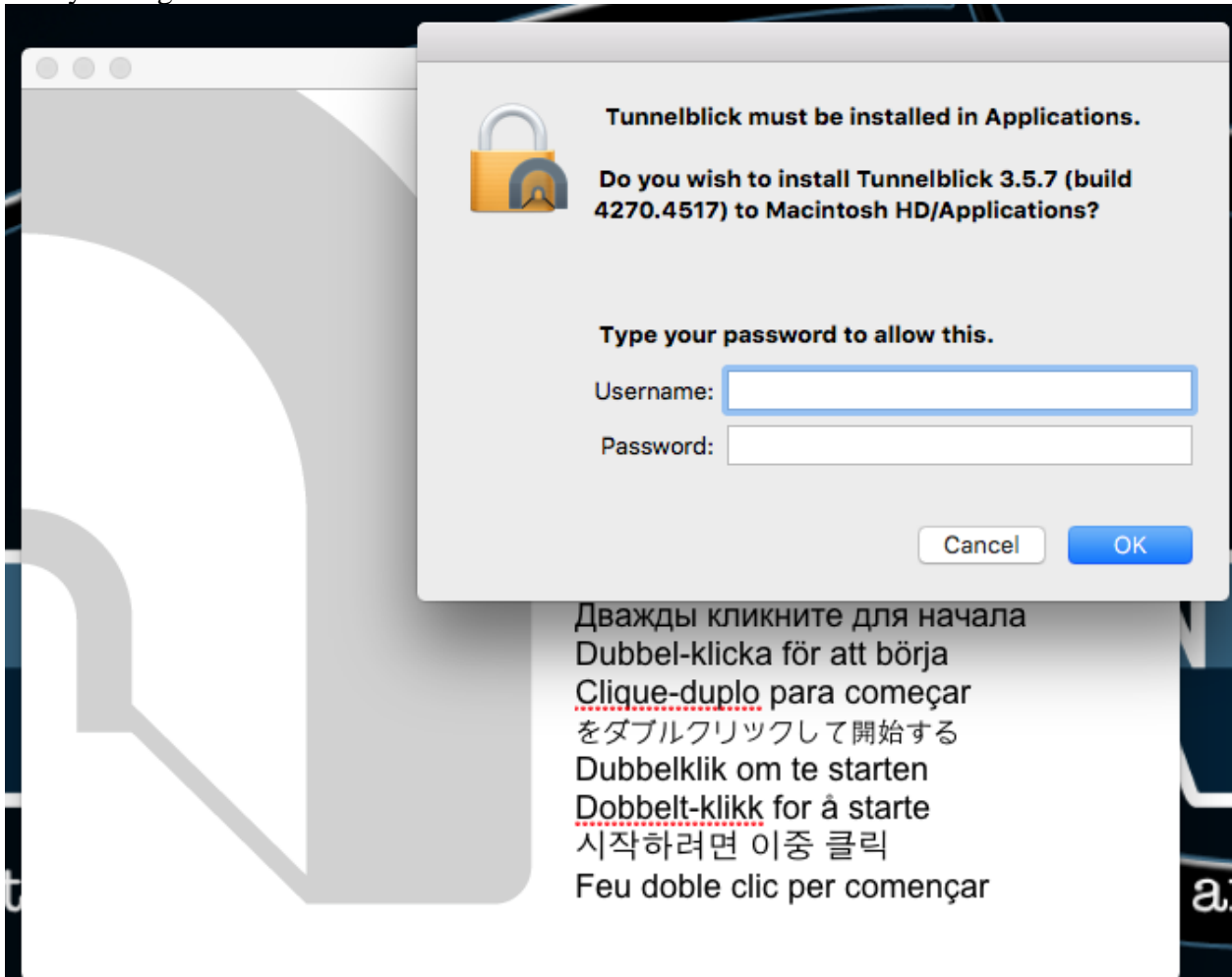


Check the checkbox if this popup annoys you and then click Open

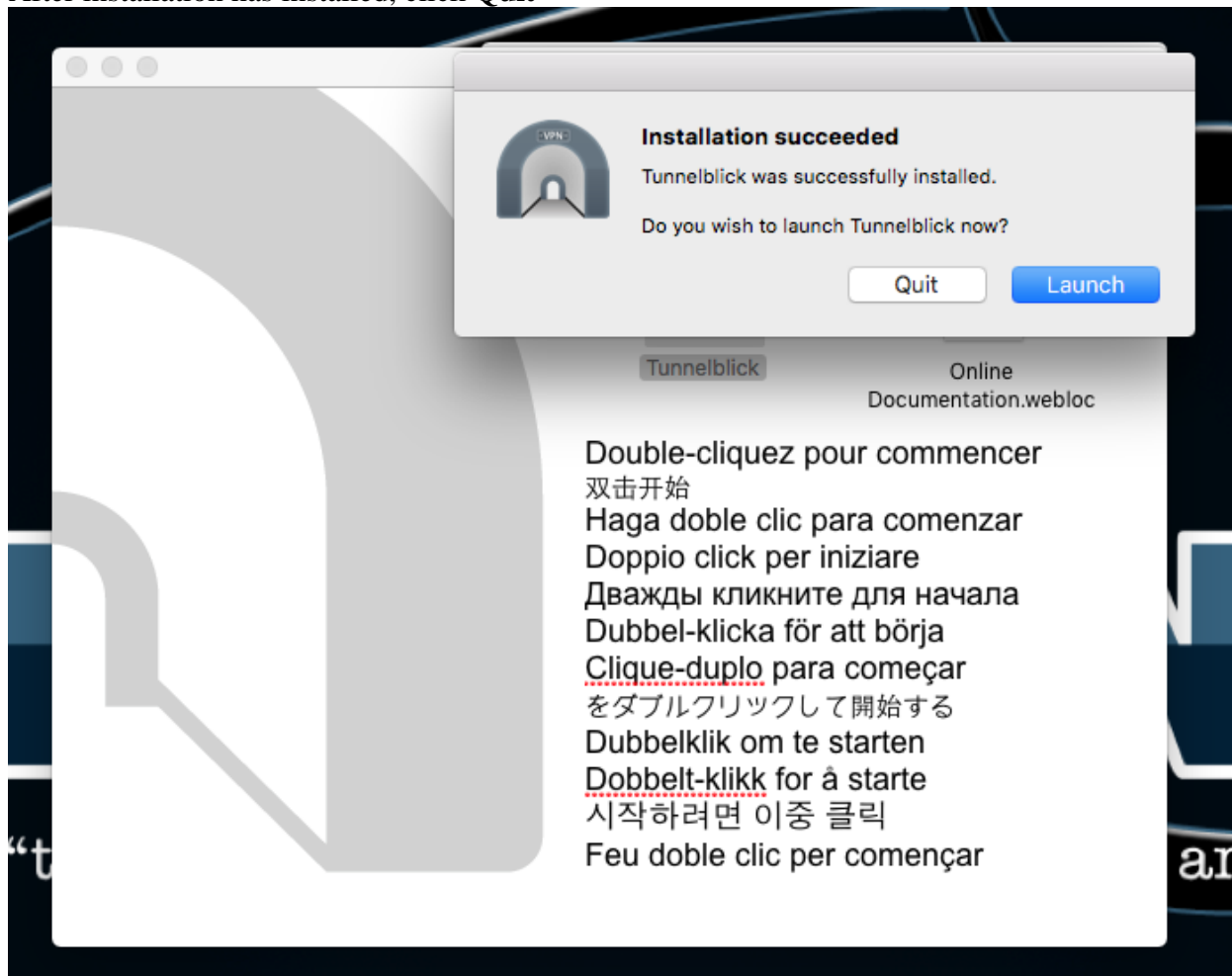




Add your login credentials



After installation has installed, click **Quit**



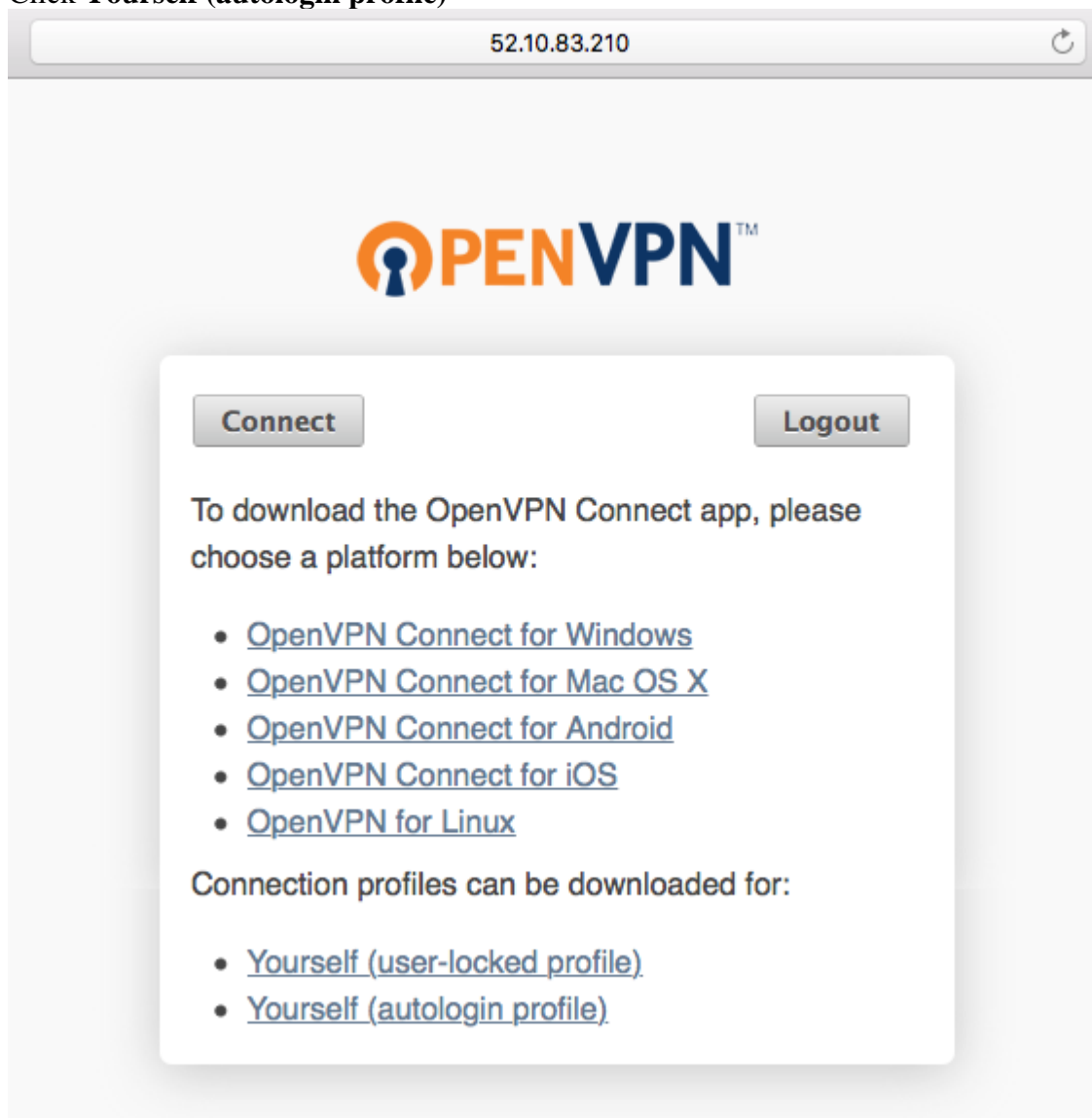


Open Safari and go to <https://54.149.185.40:943/?src=connect>

Enter the username and password provided to you via email by Joe McCray:

The screenshot shows a Safari browser window. The address bar displays '52.10.83.210'. The main content area shows the 'OPENVPN' logo at the top. Below the logo is a login form with two input fields: 'Username' containing 'vpnuser1' and 'Password' containing seven dots. To the right of the password field are two buttons: 'Login' and 'Go'.

Click **Yourself** (autologin profile)



The screenshot shows a web browser window with the address bar displaying "52.10.83.210". The main content area features the "OPENVPN™" logo at the top. Below the logo, there are two buttons: "Connect" on the left and "Logout" on the right. A central text block instructs the user to "To download the OpenVPN Connect app, please choose a platform below:" followed by a bulleted list of links for Windows, Mac OS X, Android, iOS, and Linux. Below this, another text block states "Connection profiles can be downloaded for:" followed by a bulleted list of links for "Yourself (user-locked profile)" and "Yourself (autologin profile)".

52.10.83.210

OPENVPN™

Connect **Logout**

To download the OpenVPN Connect app, please choose a platform below:

- [OpenVPN Connect for Windows](#)
- [OpenVPN Connect for Mac OS X](#)
- [OpenVPN Connect for Android](#)
- [OpenVPN Connect for iOS](#)
- [OpenVPN for Linux](#)

Connection profiles can be downloaded for:

- [Yourself \(user-locked profile\)](#)
- [Yourself \(autologin profile\)](#)



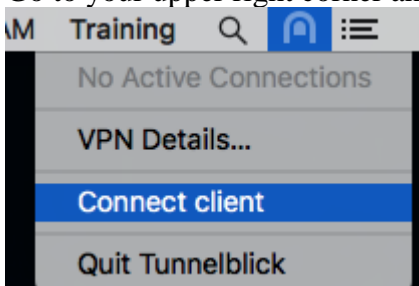
Double-Click **client.ovpn** and it will install



Click **Only Me**

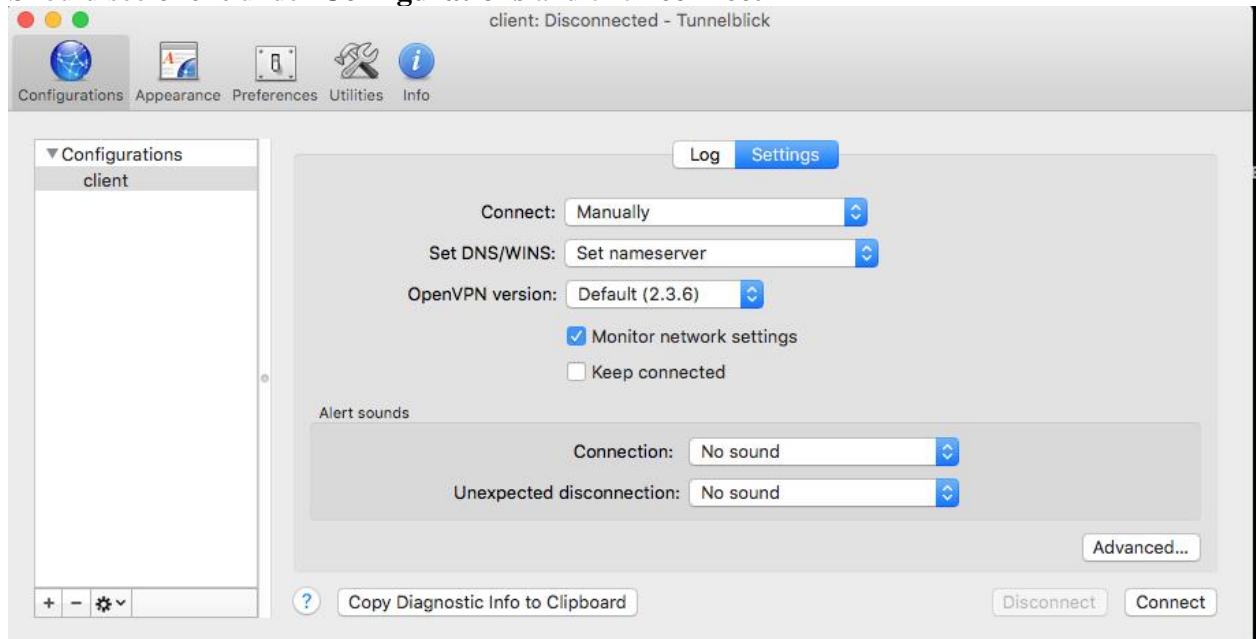


Go to your upper right corner and look for the **Tunnelblick icon** and click **VPN Details**

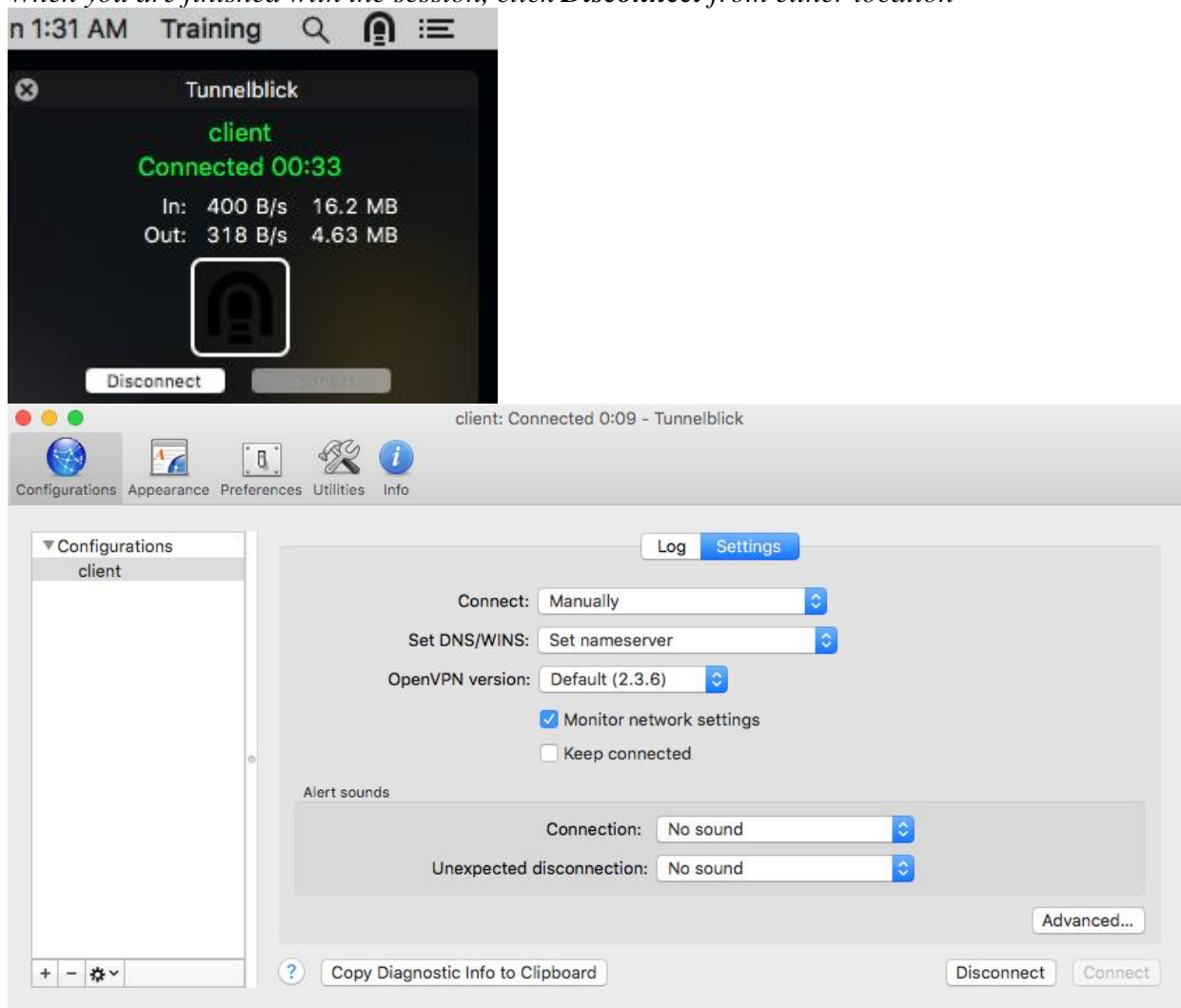




Should see **client** under **Configurations** and click **connect**



You should now see the following and you are now connected
When you are finished with the session, click **Disconnect** from either location



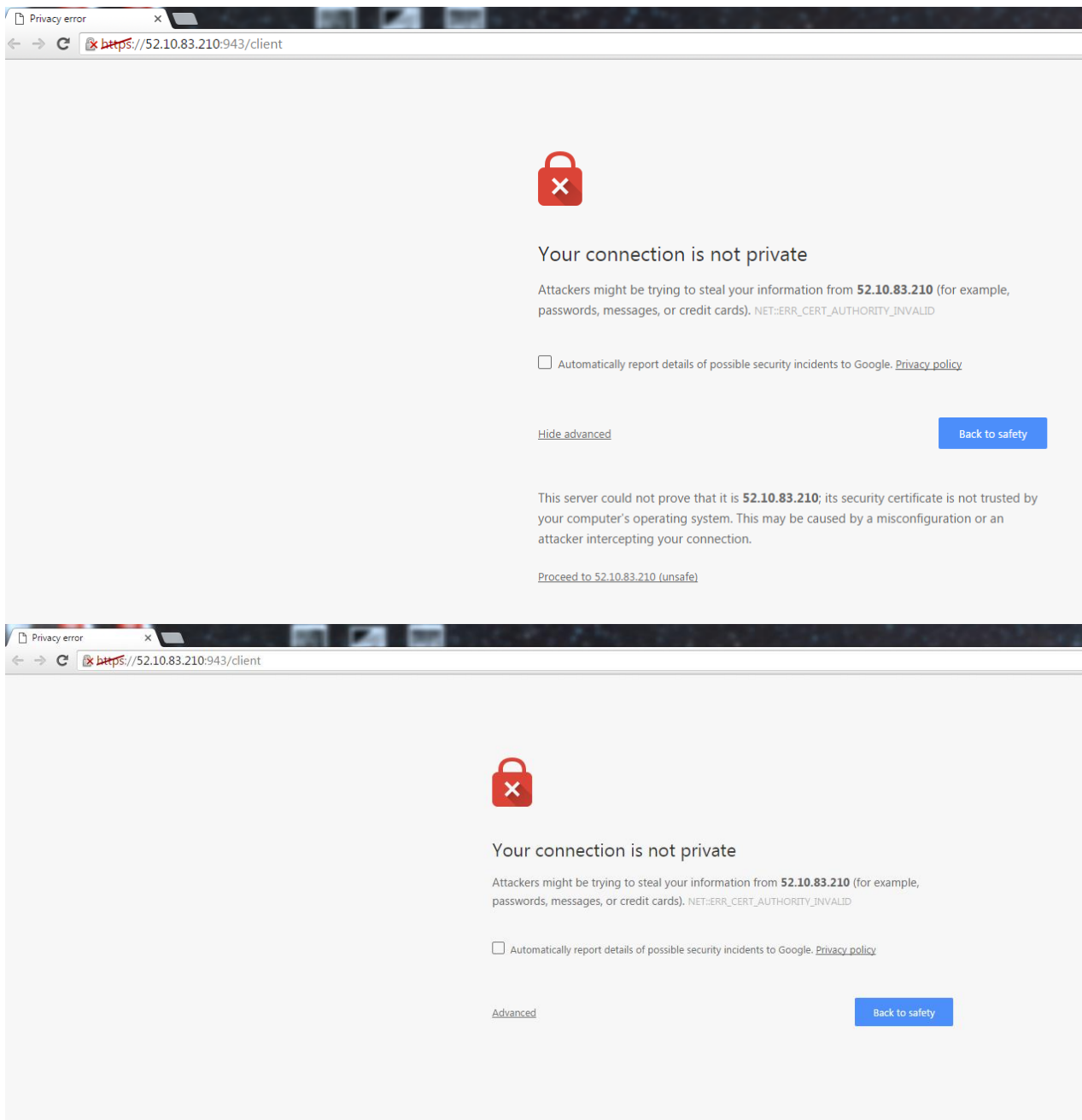


Connecting to the lab with Windows

Open your Internet browser and in the address bar erase everything there.

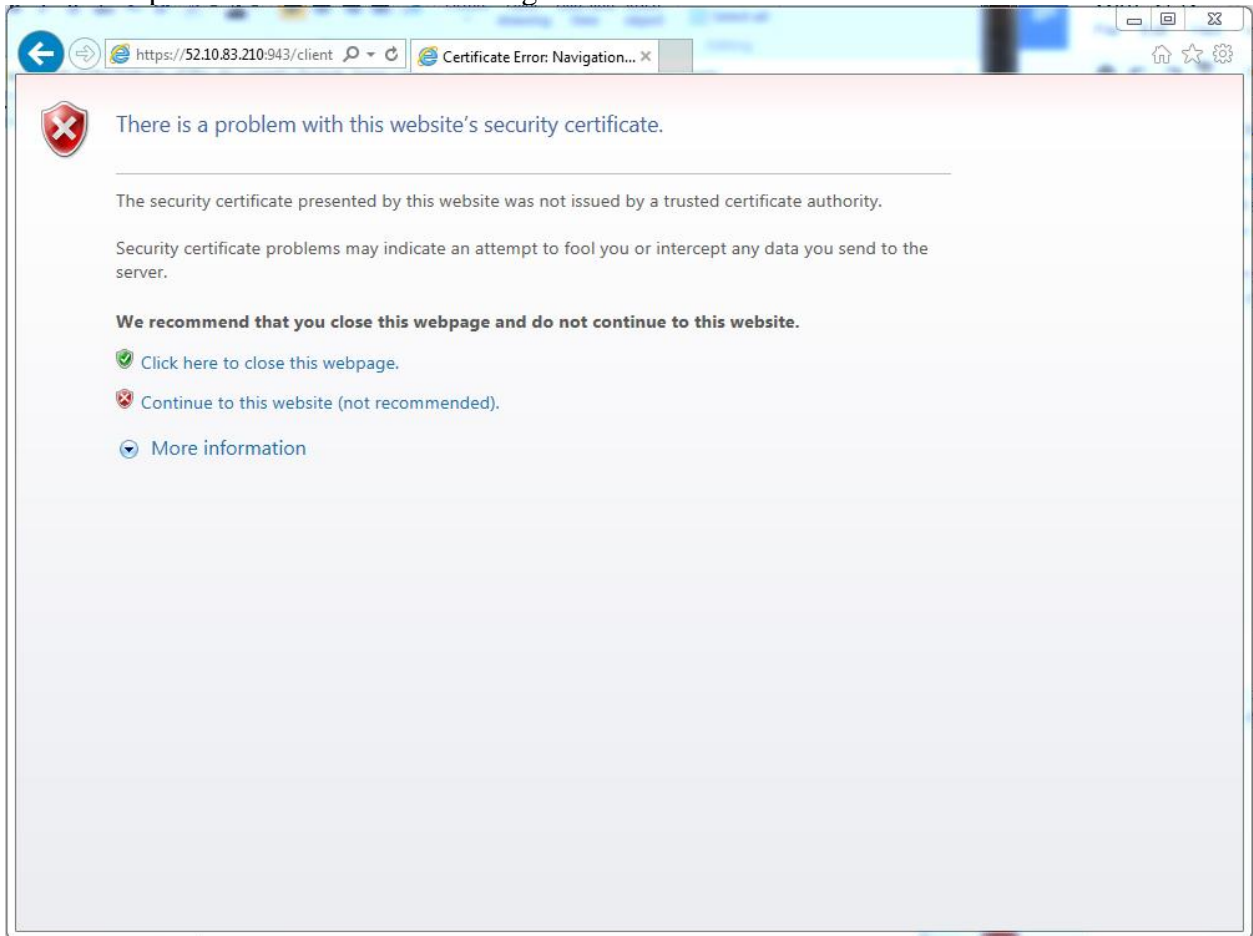
Type <https://54.149.185.40:943/?src=connect>

It will say the connection is not private but that can be ignored and go and click **Advanced**.



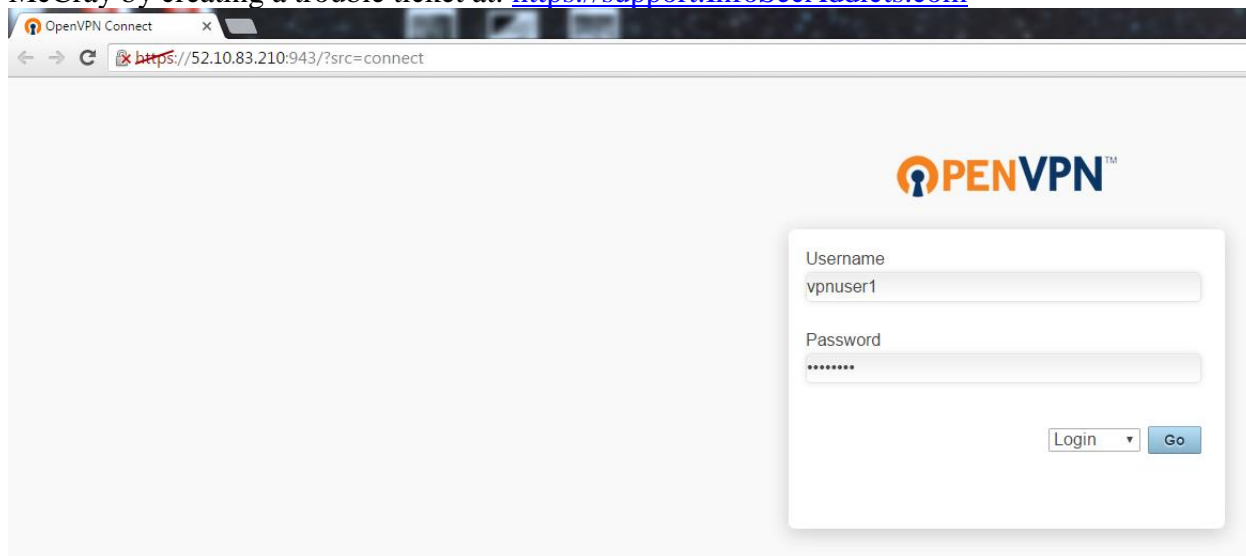


Internet Explorer will show the following and click **Continue to this website**

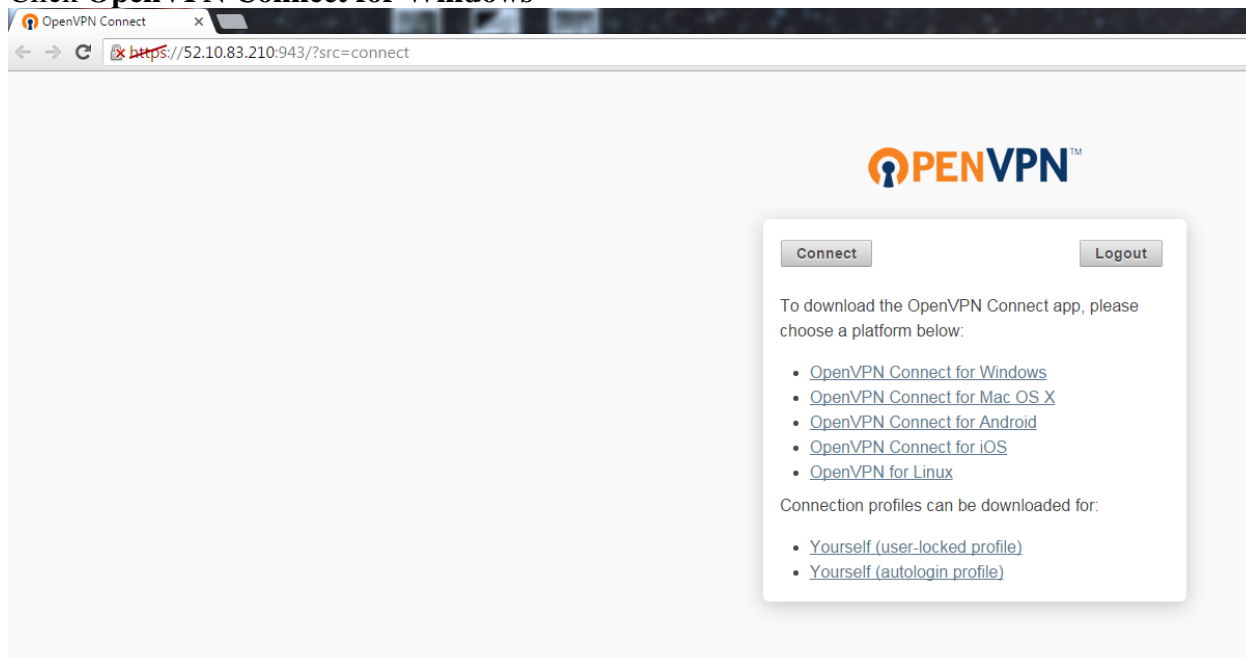


Enter your username and password provided to you via email by Joe McCray:

If you have paid for access and still do not have your credentials please contact Joe McCray by creating a trouble ticket at: <https://support.InfoSecAddicts.com>



Click **OpenVPN Connect for Windows**




openvpn-connect-2.0.18.202.msi will download and **double click it to open.**



OpenVPN Connect x

← → ↻ <http://52.10.83.210:943/?src=connect>



Connect


Logout

To download the OpenVPN Connect app, please choose a platform below:

- [OpenVPN Connect for Windows](#)
- [OpenVPN Connect for Mac OS X](#)
- [OpenVPN Connect for Android](#)
- [OpenVPN Connect for iOS](#)
- [OpenVPN for Linux](#)

Connection profiles can be downloaded for:

- [Yourself \(user-locked profile\)](#)
- [Yourself \(autologin profile\)](#)

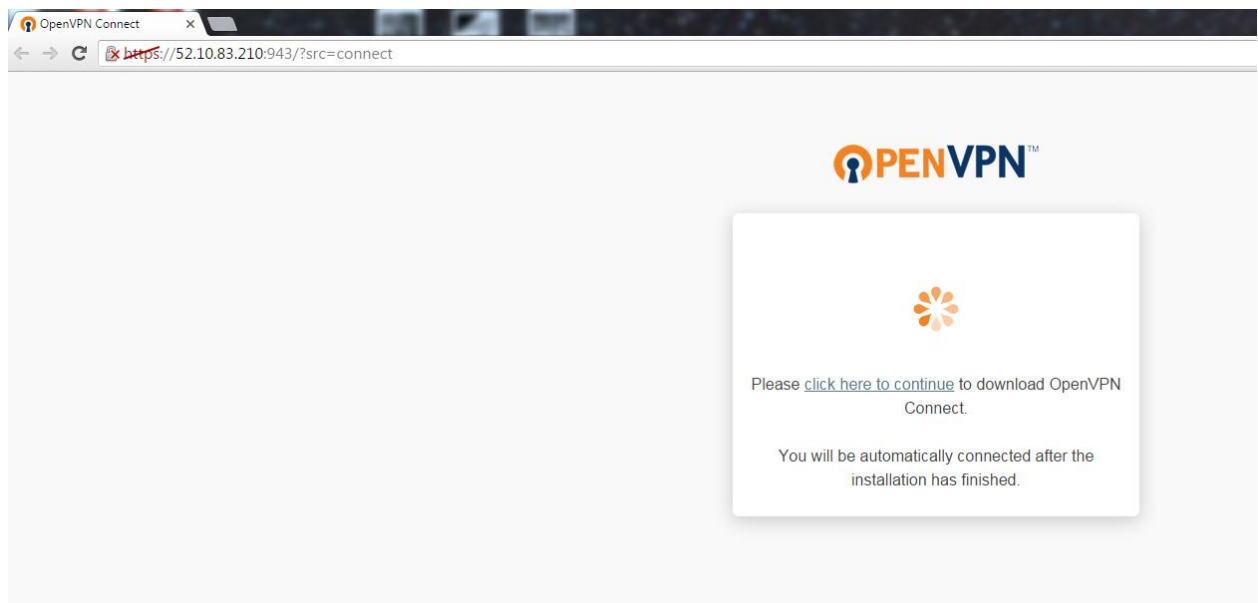
 openvpn-connect-2....msi
5.1/5.1 MB, 0 secs left

Click **Run**

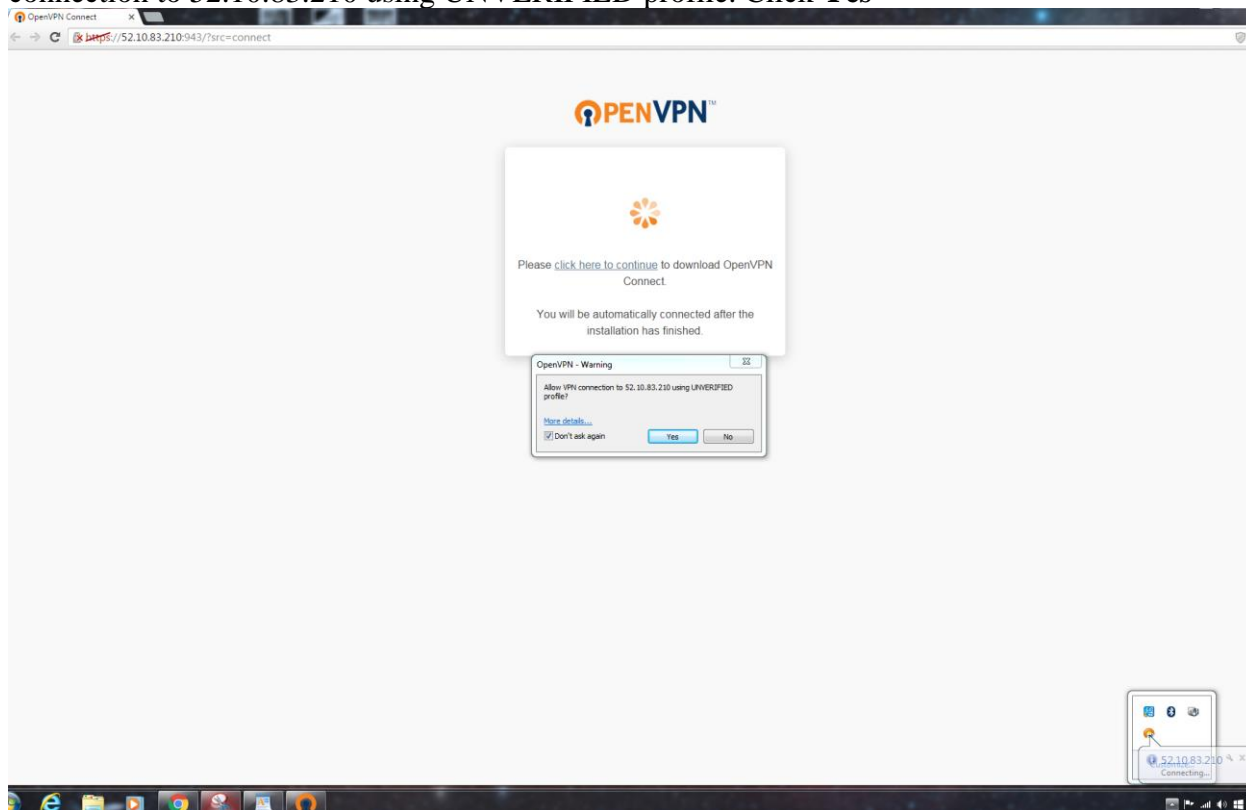




Wait for it to install.

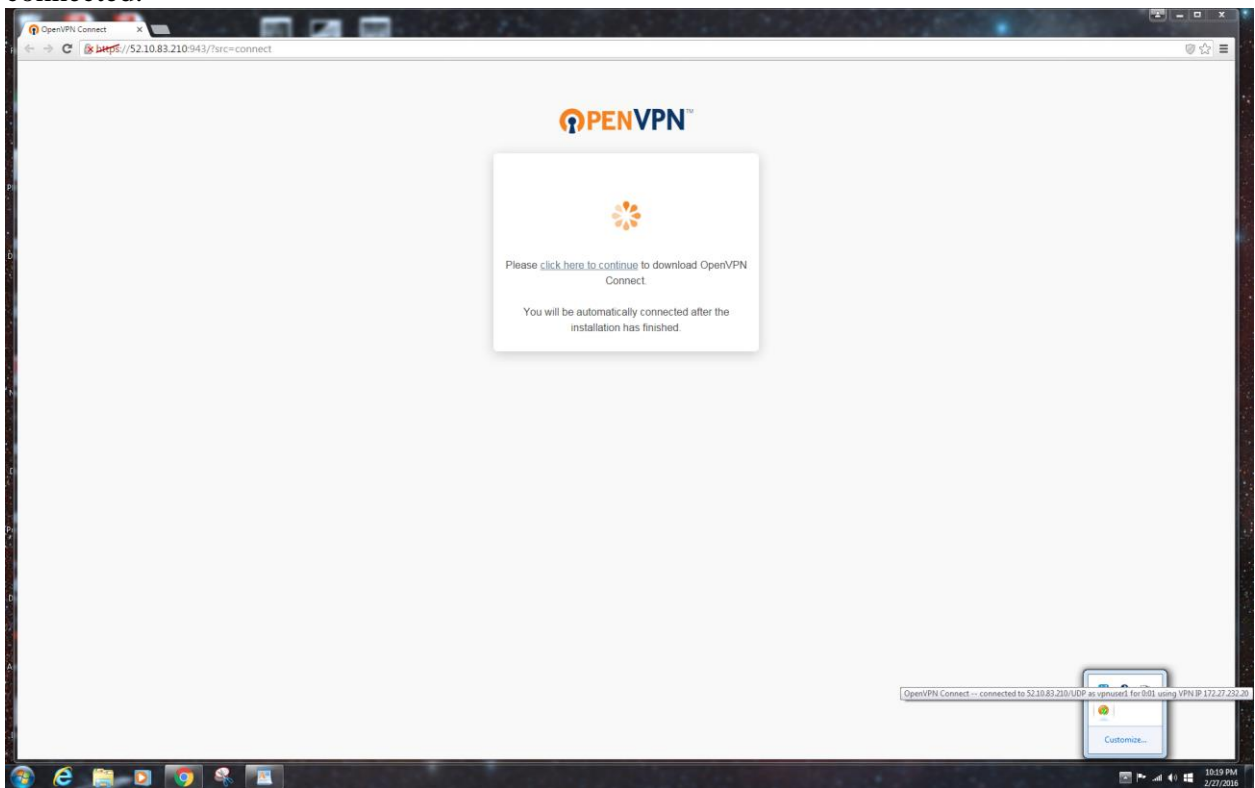


Window will pop with a label of **OpenVPN - Warning** and asking about allowing connection to 52.10.83.210 using UNVERIFIED profile. Click **Yes**





Hover your mouse over the OpenVPN icon in the lower right, it will show that you are connected.



When you are finished, you can click on the Open VPN icon in the lower right and click Disconnect

