

## 1. Setting up OpenVPN on Windows

To set up OpenVPN on a Windows OS, follow these instructions:

1. Download the latest OpenVPN installation package from this webpage <https://openvpn.net/index.php/open-source/downloads.html>  
Download the appropriate file based on your system specifications. For Windows 7 and later, choose e.g. "Installer (64-bit), Windows Vista and later" if you have a 64-bit OS.
2. Run the OpenVPN installation package and use the default settings.
3. Download the zip file "OpenVPN configuration file for Windows and Mac" from the course website.
4. To start the OpenVPN, first unzip the contents of the configuration file into a folder. Change the extension of ".conf" file to ".ovpn", that is, rename "client.conf" to "client.ovpn". Then, if you have properly installed OpenVPN, you should be able to start OpenVPN by right clicking on the "client.ovpn" file and selecting "Start OpenVPN on this config file".
5. The VPN server has an IP address of 192.168.3.12. You can test your connectivity by trying to ping 192.168.3.12 from cmd tool.

## 2. Setting up Tunnelblick on Mac

To set up Tunnelblick on a Mac OS, follow these instructions:

1. Download the latest Tunnelblick disk image from the Tunnelblick project page <https://tunnelblick.net/>
2. Mount the downloaded .dmg file by double-clicking it.
3. Follow the installation instructions to install Tunnelblick.
4. Download the zip file "OpenVPN configuration file for Windows and Mac" from the course website.
5. Launch Tunnelblick once the installation is complete.
6. When you launch Tunnelblick for the first time, a window will appear where you need to click "I have configuration files" and OpenVPN configuration(s) in the dialog that follows.
7. Next select Open Private Configurations Folder.
8. Once the Private Configurations Folder is opened, you can extract the OpenVPN configuration files that you obtained from the course website and click Done.
9. The VPN server has an IP address of 192.168.3.12. You can test your connectivity by trying to ping 192.168.3.12

## 3. Setting up OpenVPN on Linux

To set up OpenVPN on a Linux OS (e.g. Ubuntu), follow these instructions:

1. Install the OpenVPN package by entering the commands in terminal which are given here: <https://community.openvpn.net/openvpn/wiki/OpenvpnSoftwareRepos>
2. Download the zip file "OpenVPN configuration file for Linux" from the course website.
3. If you have firewall running, you need to make sure to open the port for openvpn, which is a UDP port number 1194.

4. To start the OpenVPN, unpack the contents of the configuration file into a directory. Then 'cd' to the directory and start OpenVPN using the command "sudo openvpn --script-security 2 --config client.conf"

Note: If OpenVPN is not added to your PATH, then you will have to type the whole path instead of 'openvpn'. A good candidate on Linux is '/usr/sbin/openvpn'.

5. The VPN server has an IP address of 192.168.3.12. You can test your connectivity by trying to ping 192.168.3.12 from terminal.