

How To Connect To Online Qualifer Environment

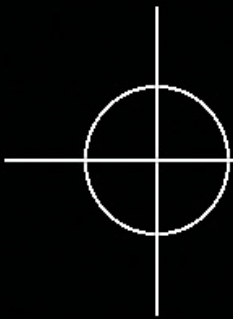
1. Open up your Chrome or Firefox web-browser and enter the following URL into your browser's address field : **<https://openvpn.net/index.php/open-source/downloads.html>**

This should bring you to the webpage in the following screenshot where you can download the free OPENVPN third-party software (look for OPENVPN 2.4.5 or whatever version that works on your Windows-7-based computer*) :

Source Tarball (gzip)	openvpn-2.4.5.tar.gz	GnuPG Signature
Source Tarball (xz)	openvpn-2.4.5.tar.xz	GnuPG Signature
Source Zip	openvpn-2.4.5.zip	GnuPG Signature
Installer, Windows Vista and later	openvpn-install-2.4.5-l601.exe	GnuPG Signature

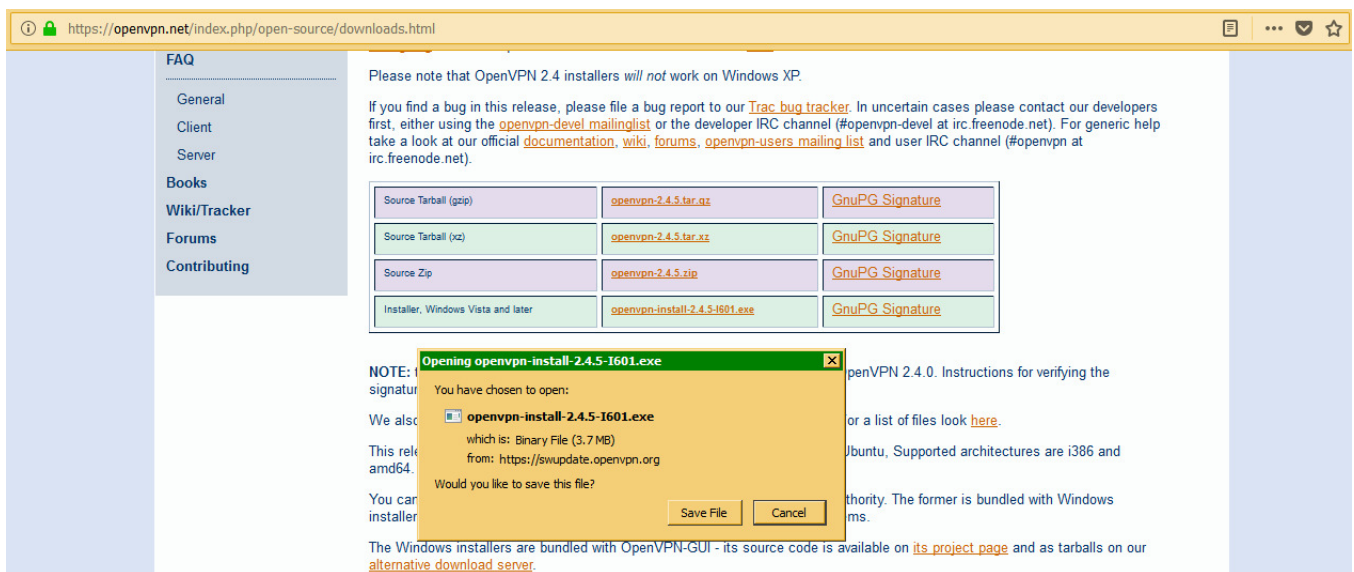
* Note : the OPENVPN software is tested to work under Apple OSX, Kali Linux (included inside already) and Windows 7 (Windows 7 is the most stable Windows-based environment for loading in security-testing tools. While the software may work for other Windows versions, it is not guaranteed and your mileage may vary). The direct download link for OPENVPN version 2.4.5 is at <http://build.openvpn.net/downloads/releases/openvpn-install-2.4.5-l601.exe> but you should get whichever version from the OPENVPN website that works with your computer's operating system.

Very Important note : please make sure that the LAN you are using to do the actions inside

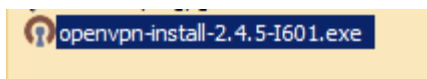


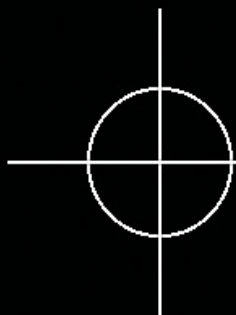
this document are NOT using the 10.50.x.x/16 network range, NOR the 192.168.200.x /24 network range or you will not be able to connect properly to the remote Online Qualifier environment.

- Click on the relevant download link that is displayed in the webpage, and you should get a download dialog box, as illustrated in the following screenshot :

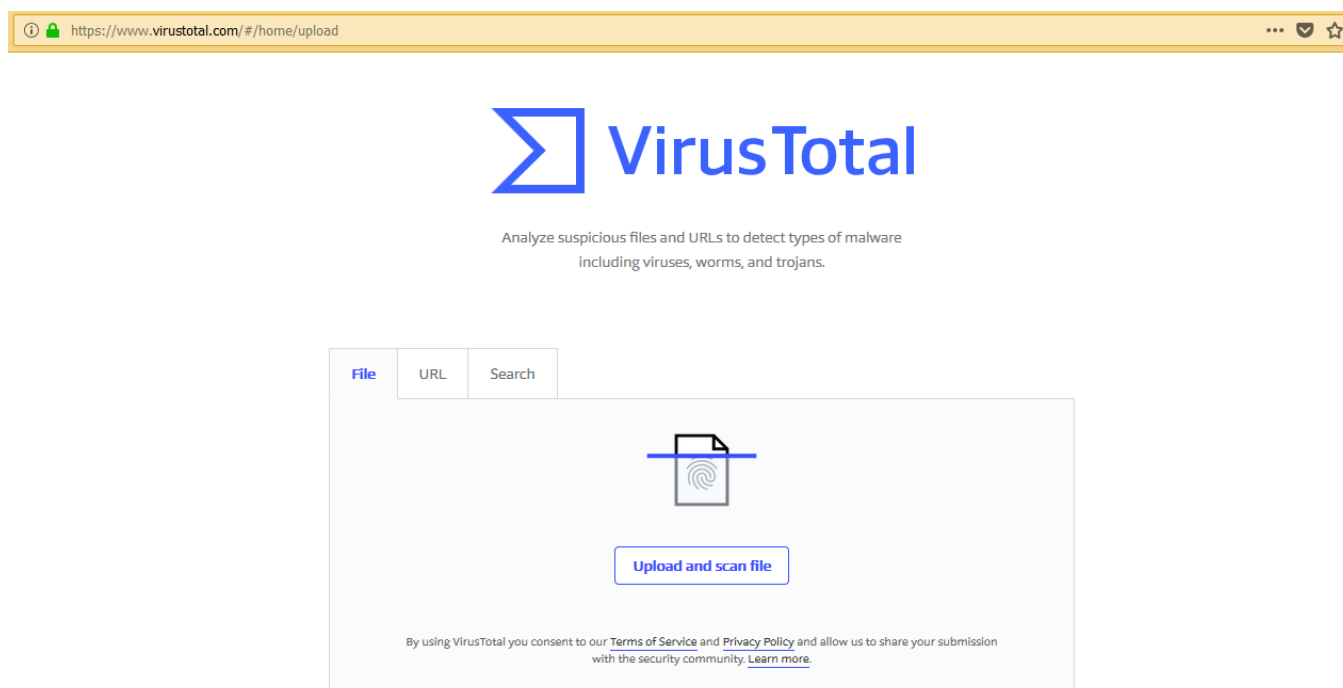


- Click "Save File" and save the setup executable file to a hard drive directory on your computer, as illustrated in the following screenshot :

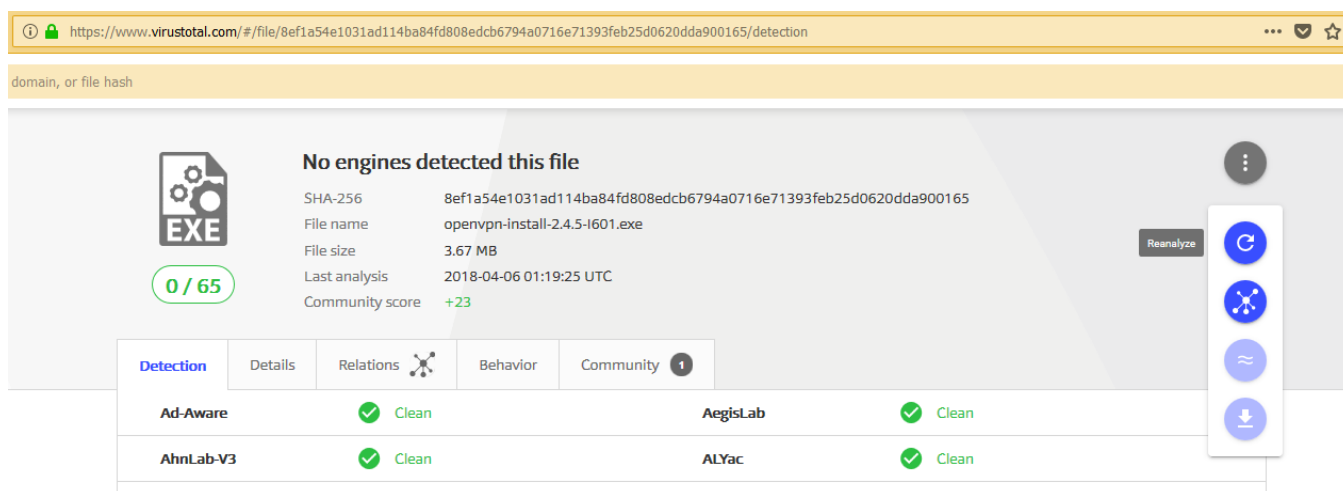


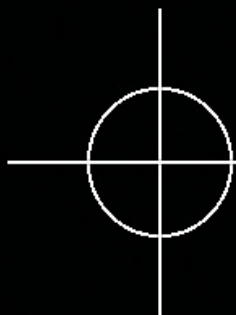


4. After the download has finished, run the file through an online malware scanner such as Virustotal, as illustrated in the following screenshot :

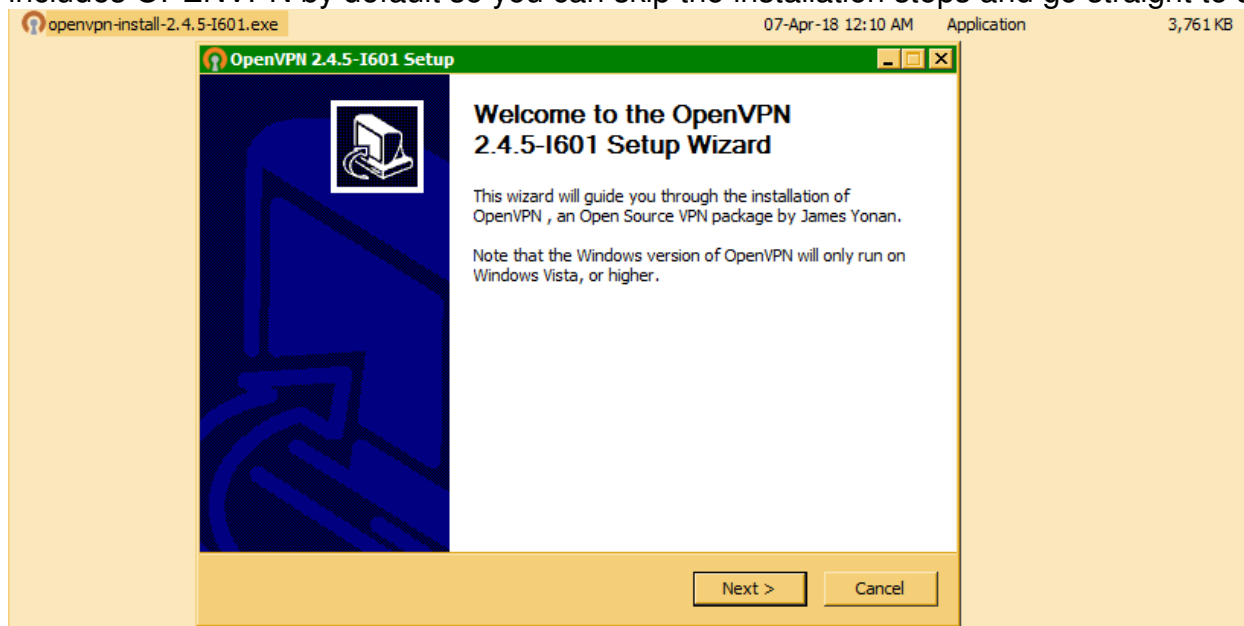


5. Select the setup executable file you just saved to your computer's hard drive directory and select re-analyze, as illustrated in the following screenshot :

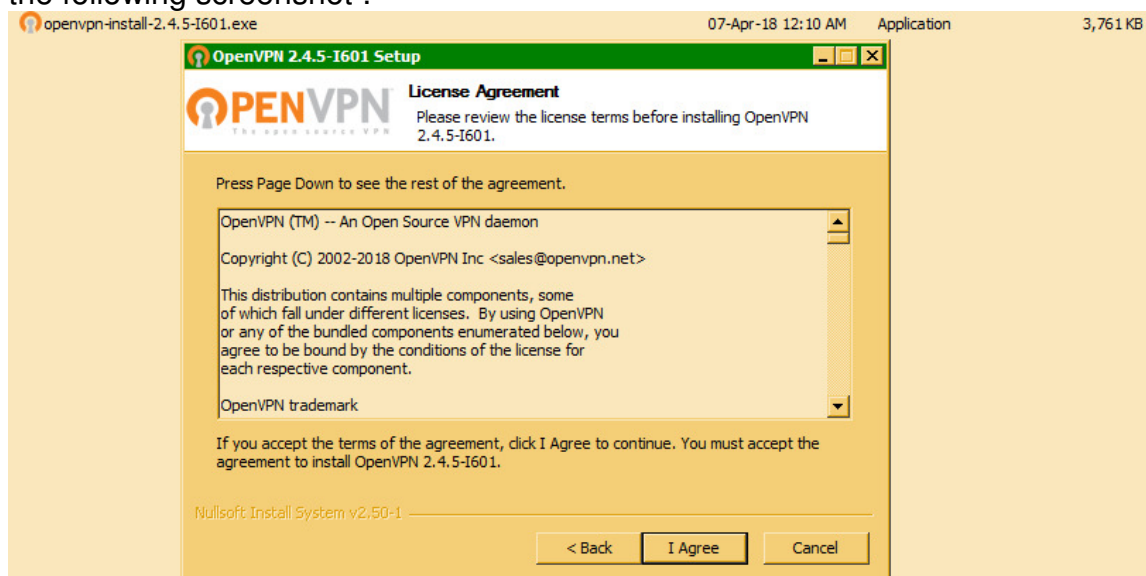


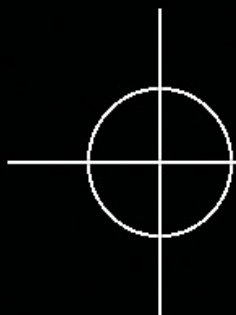


6. If everything returns green and there is no malware detected, you can now run the setup executable file. Go to the directory where you downloaded the file to and double-click to run the installer. In this document, we will use the Windows version of OPENVPN as the example, as illustrated in the following screenshot (OSX version displays may vary; recent Kali Linux versions includes OPENVPN by default so you can skip the installation steps and go straight to step 12) :

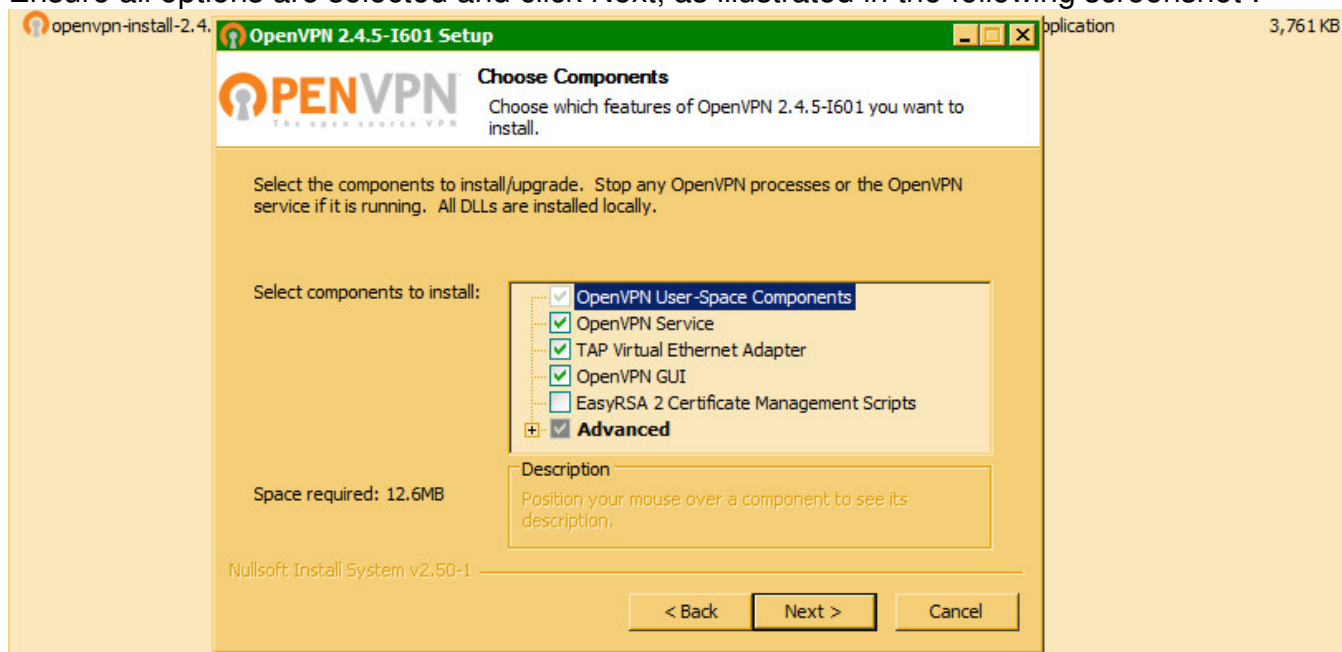


7. You should now see the OPENVPN dialog box appear - click I Agree to continue, as illustrated in the following screenshot :

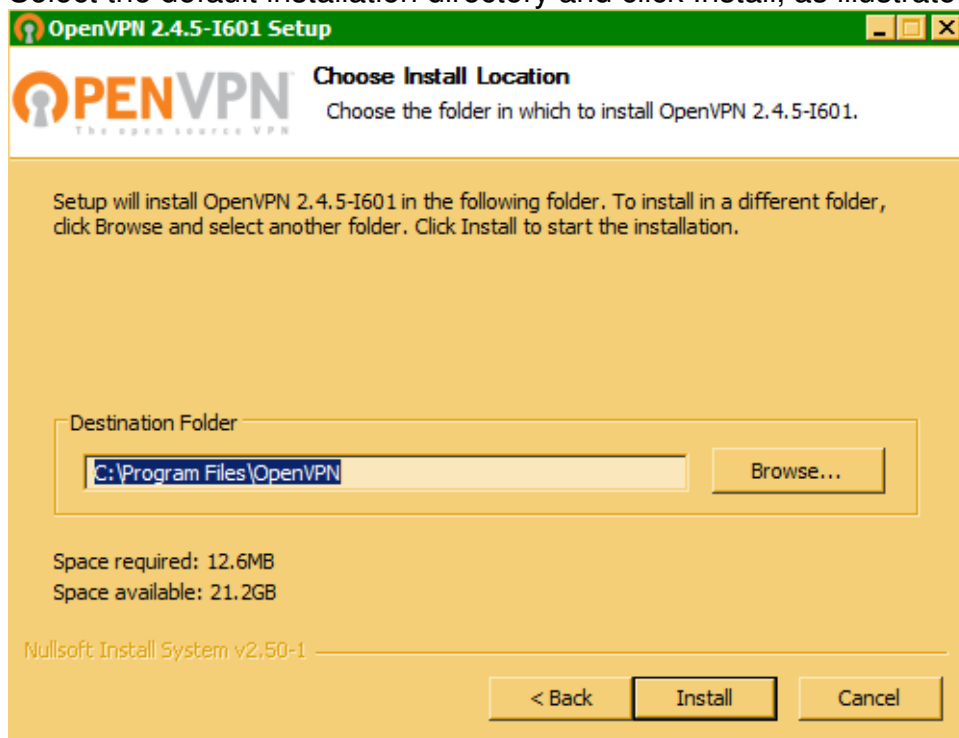


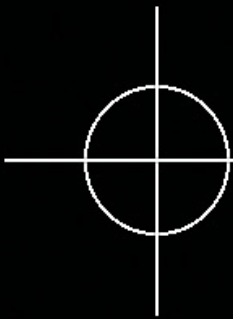


8. Ensure all options are selected and click Next, as illustrated in the following screenshot :

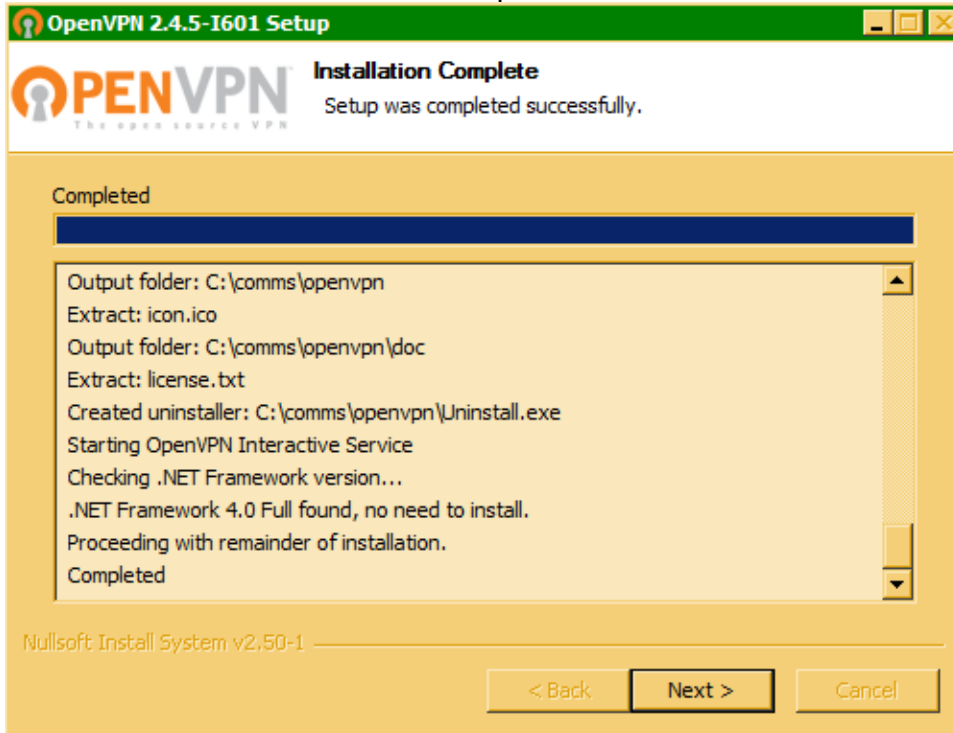


9. Select the default installation directory and click Install, as illustrated in the following screenshot :

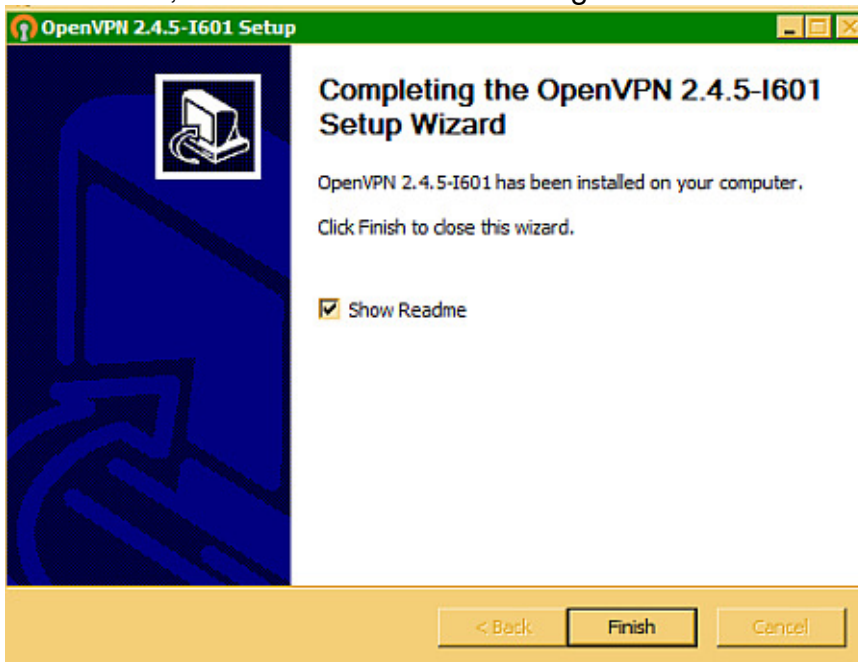


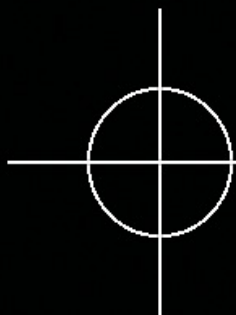


10. Click Next when installation is completed, as illustrated in the following screenshot :

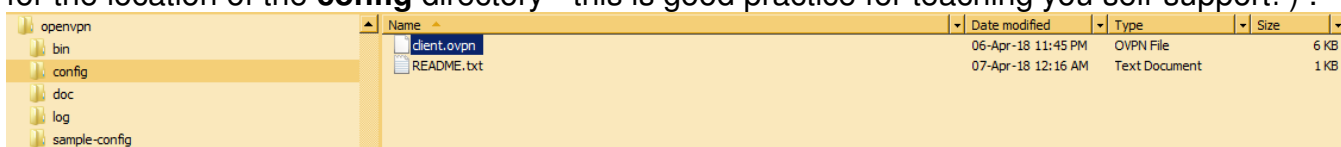


11. Click Finish, as illustrated in the following screenshot :





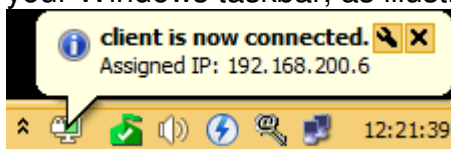
12. Go back into your **G@meGe@r™ team dashboard** and look for the **CLIENT.OVPN** file. Download it into your newly-created **C:\Program Files\OpenVPN\config** directory, as illustrated in the following screenshot (for OSX and Kali Linux, look up the OPENVPN website documentation for the location of the **config** directory - this is good practice for teaching you self-support!) :



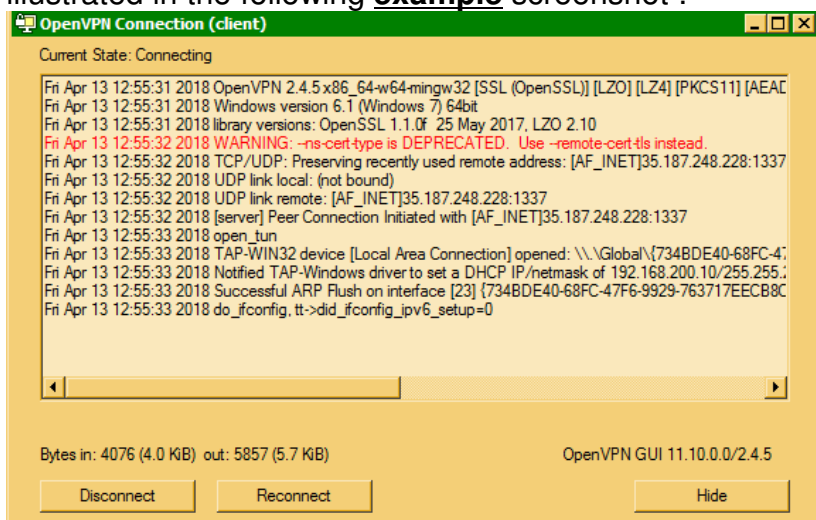
13. Now go to your Windows desktop display and double-click on the OPENVPN GUI icon to start the VPN software, as illustrated in the following screenshot :

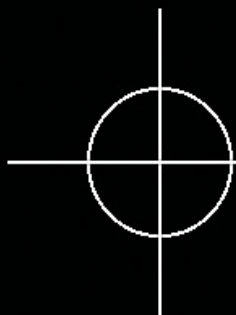


14. When the OPENVPN software has successfully finished startup, you may see a display appear in your Windows taskbar, as illustrated in the following screenshot :



You might also see a display popup notifying you that you are successfully connected, as illustrated in the following **example** screenshot :





ThinkSECURE

Security Starts Here

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Email: thinksecure@securitystartshere.org
Phone: +65 65213067 Fax: +65 62686200

15. After you have connected to the Online Qualifer environment via OPENVPN, you can now **start following the instructions displayed inside the respective menu items of your G@meGe@r™ team dashboard** (e.g. Documentation, Starter, Kamikaze, etc) and engage the targets accordingly.

Challenges and targets are located inside the Starter and Kamikazes / Others menus. ***Within the Online Qualifer's allotted time, you can choose whether to attempt the easier Starter challenges first, or to attempt the harder Kamikaze challenges first, or even do both simultaneously or none at all. However, within each challenge category, you need to finish the challenges in that category in the specific order presented to you by the team dashboard.***

For any particular challenge, if you get stuck at a particular Starter or Kamikaze and want to give up and proceed to the next challenge, you can submit an empty / blank answer for the current Starter or Kamikaze challenge. However, you will score no points for the Starter or Kamikaze that you gave up on.

For Starter challenges stage, after you submit your answers (whether it is correct, wrong or blank), you will be allowed to advance to the next challenge.

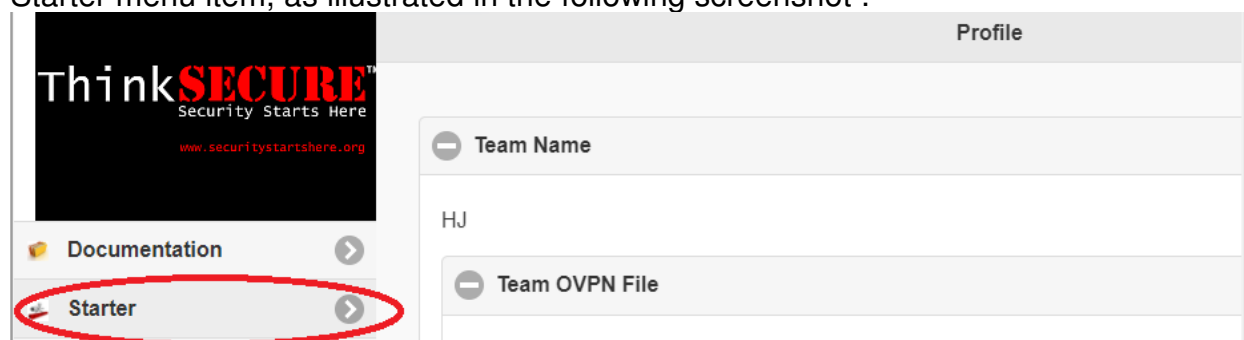
For the Kamikaze challenges stage, after you submit your answers (whether it is correct, wrong or blank), you will be allowed to advance to the next challenge.

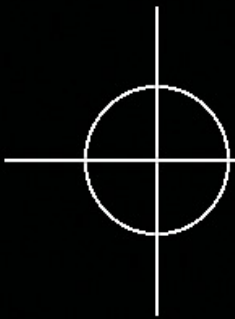
However, the means of advancing to the next challenge will depend on whether your submitted answer for the current challenge was correct, wrong or blank.

If your answer is correct, you are already in a position to advance to the next challenge so follow the instructions of the next challenge displayed in your dashboard accordingly.

If your answer is wrong or you submit a blank/no answer, then depending on the challenge you are answering, either (a) information will be provided inside your team dashboard to put you in a position to advance to the next challenge, or (b) you will already know you submitted a wrong or blank/no answer and can advance straight to the next challenge by following the instructions of the next challenge displayed in your dashboard accordingly.

We strongly recommend that you start off with the easier challenges and targets listed under the Starter menu item, as illustrated in the following screenshot :





The information for each challenge and its respective target will be located in the description for that respective challenge. You can access it by simply clicking on it.

SCORING

The point score for each challenge is displayed inside the challenge's description. You will score the points for any given challenge based on whether you can successfully complete the respective challenge.

It is intentional that your total score will not be displayed in the dashboard at any point during the Online Qualifier. When you took your GCE 'O'-Level exam, did you know your score or results on the spot after you answered each question? :) Same thing here. Just like in a GCE 'O'-Level or 'A'-level exam, you won't know the score immediately. However, those who are able to derive the right answer would already have an internal gut-feeling that they had obtained a successful result for any given challenge or at least a good feeling about that particular question.

Your total score across all challenges will be added up at the expiration date/time of the Online Qualifier and submitted to the Event Organizer for their decision. **In the event that two or more different teams manage to score the exact same number of points, the tie-breakers will be based on the lower elapsed time (as captured by G@meGe@r™) taken by each team to submit its last correct answer.** For three-way-or-more point score ties, this lower elapsed timing will be used to rank the tied teams. This leads us on to some very important notes about timing calculations :

!!! VERY IMPORTANT NOTES !!!

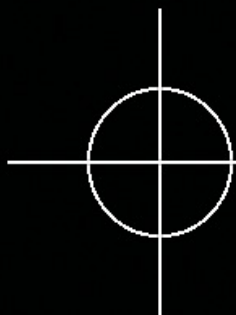
(i) The clock for your team will start ticking the moment ANY member of your team logs into your team's G@meGe@r™ dashboard at <http://gamegear.securitystartshere.org> , which is necessary to obtain the OPENVPN configuration file to access the Online Qualifier environment.

Thus, you should coordinate with your team members to access your team's dashboard at <http://gamegear.securitystartshere.org> ONLY when you are all prepared and ready to attempt the challenges together (but there is a limited time window, so don't wait too long). Don't sabotage your own team by being curious and logging in "just to take a look" before all your team members are ready !!

All your preparation work like getting and installing your software, tools, etc, should be done before you attempt to login to your team's G@meGe@r™ dashboard at <http://gamegear.securitystartshere.org> .

No appeal for more time or do-overs for messing up your login timing or late-submitting answers will be entertained.

(ii) You can only access the Online Qualifier environment ONLY WHEN YOUR OPENVPN CONNECTION IS ACTIVE and only between 1 June 2018 @0900hrs to 3 June 2018



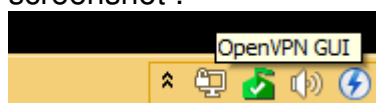
ThinkSECURE

Security Starts Here

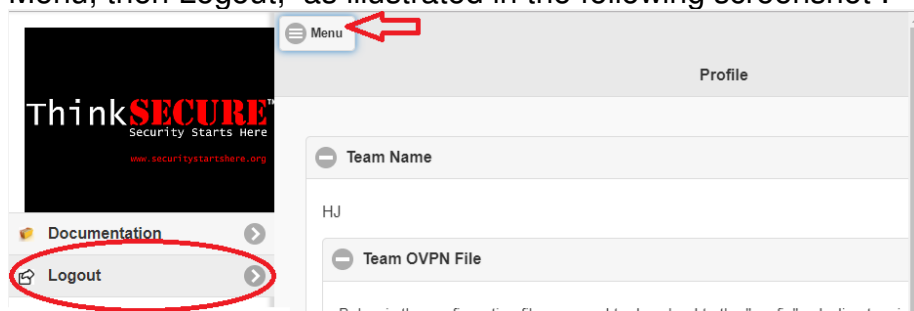
THINKSECURE PTE LTD
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@0900hrs Singapore Time (timing is based on THINKSECURE PTE LTD's server clock). If you disconnect the OPENVPN connection, you will not be able to access the Online Qualifer environment.

16. If at any time you wish to disconnect from the Online Qualifer environment, you can do so by completely **disconnecting your OPENVPN secure connection session** - just right-click the OPENVPN GUI icon in your taskbar and select "Disconnect", as illustrated in the following screenshot :



17. Finally, it is also good security practice to **properly logout from your Team dashboard** by clicking Menu, then Logout, as illustrated in the following screenshot :



18. Now that the OPENVPN software has been installed in your computer, each time you reboot or startup your computer, the OPENVPN GUI icon will be in the right corner of your Windows taskbar. You can easily reconnect to the Online Qualifer environment during the access window period by right-clicking the icon and selecting Connect, as illustrated in the following two screenshots :

