



eLearnSecurity
Forging security professionals



EWPT

EXAM MANUAL

- 1) CERTIFICATION PROCESS
- 2) WINDOWS USERS CONFIGURATION
- 3) LINUX USERS CONFIGURATION

1. CERTIFICATION PROCESS

Step 1. OBTAIN A VOUCHER

Whether you are attempting the eWPT certification exam on your own or after having attended one of our approved training courses, you will need to obtain a voucher before you can start your certification process.



Please note that the Web Application Penetration Testing course includes a free voucher in all plans.

Once you obtain the voucher, you will receive login credentials to our Certification area where you will manage the exam, the VPN credentials and anything related to the certification process from the beginning through the shipment of your certificate.

Step 2. BEGIN THE CERTIFICATION PROCESS

Every voucher expires after 180 days from purchase.

Before the voucher expires, you will have to begin the certification process by clicking on "Begin certification process".

Begin certification process

The expiration date will always be available in your certification area and reminder emails are sent to make sure you take advantage of the voucher.



Step 3. PERFORM YOUR TESTS

As soon as you click on the "Begin certification process" button you will receive an email with instructions regarding the scope of engagement.

This letter will contain exactly what you should test and how.

At this point, you will start your penetration test against the designated targets; take note of your findings and start creating your report.

The exam network will always be available 24/7 for 7 days and dedicated to you.

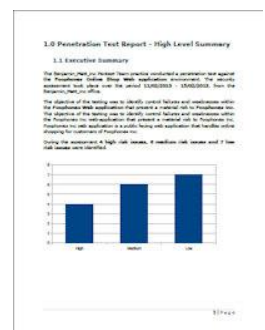
At any time you will be the only one on the network and will be able to reset the scenario should you damage it during your tests.

You can also pause the lab and resume from where you left off by simply clicking Start/Stop buttons in the Certification area as you would do with any other Hera Lab scenario.

Step 4. UPLOAD YOUR REPORT

Once you have performed a comprehensive penetration test it's time to finalize your report.

This should be a commercial grade report proving all of your findings and providing remediation steps for your client. When ready and not after 14 days from the beginning of the certification process, you will upload your report in PDF format for review.



Step 5. OBTAIN RESULTS



One of our instructors will carefully review your report and if your findings and the quality of the report is deemed sufficient to pass the exam, you will become a eWPT.

Should you fail the first attempt, the instructor will provide you with valuable feedback. Armed with this information you will have a free retake to be used within 7 days to upload a new report.

The retake 7 days will begin immediately from the moment you review the examiner's feedback. During this period, the exam lab network will be re-opened for further tests.

In any case a new report should be uploaded no later than 14 days from the date you receive the first attempt results by email.

Once you pass the exam you will find the digital certificate immediately verified and downloadable. You can also have it printed on beautiful matte paper and shipped to your home (international shipping available) if your voucher includes a shipment (otherwise you can purchase it separately).



2. WINDOWS USERS CONFIGURATION

Step 1. DOWNLOAD OPENVPN CLIENT

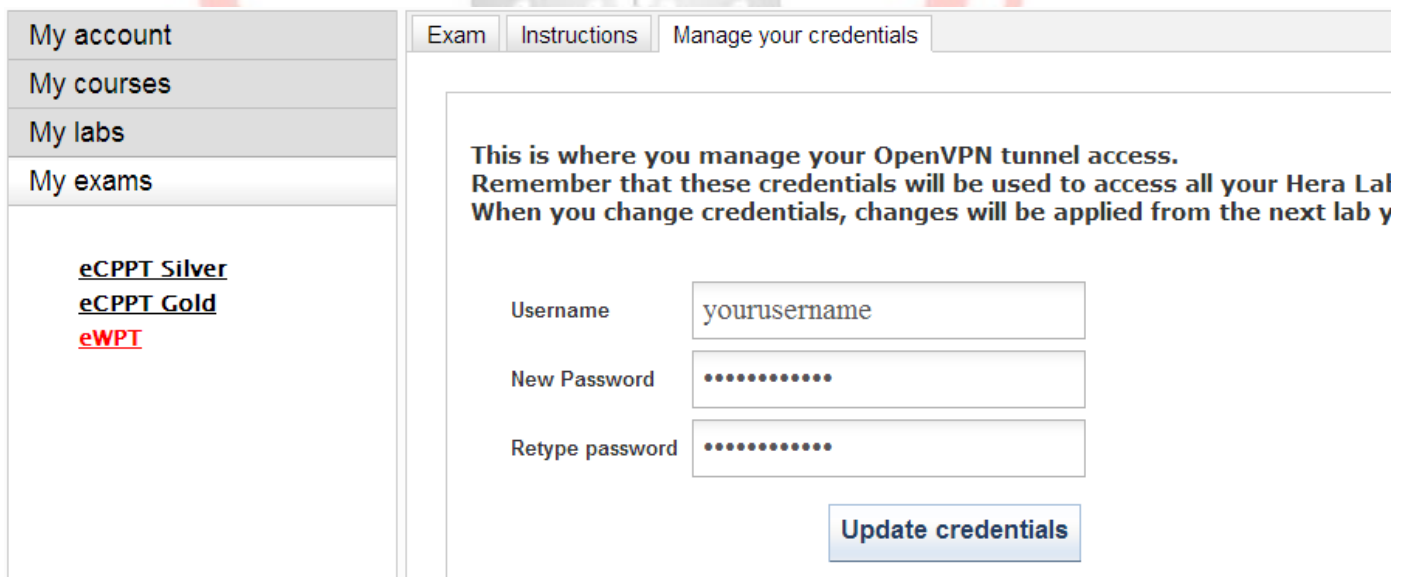
Before starting your Lab, download and install OpenVPN Client (Connect or Desktop) from here:

http://openvpn.net/index.php?option=com_content&id=357

Once the client is installed, reboot your system (you actually have to reboot to avoid later issues).

Step 2. CREATE USER AND PASSWORD

In order to connect through the VPN, you first need to create a Username and a Password. To do that open the *'Manage your credentials'* tab



My account
My courses
My labs
My exams

eCPPT Silver
eCPPT Gold
eWPT

Exam Instructions **Manage your credentials**

**This is where you manage your OpenVPN tunnel access.
Remember that these credentials will be used to access all your Hera Lab
When you change credentials, changes will be applied from the next lab y**

Username

New Password

Retype password

Update credentials



Step 3. BEGIN CERTIFICATION PROCESS

In order to start you exam you have to click on the button “Begin certification process”.

Exam history Instructions Manage your credentials

Attempts							
Voucher purchase date	Exam start date	Deliverable release date	Examiner's Assessment date	Examiner	Report	Status	Examiner's Comment
7 november 2012	7 november 2012					EXPIRED	
19 march 2013	19 march 2013					STARTED	

You can begin the certification process within 17 July 2013

When you are ready to start your certification process, you can click on below button. You will then receive the scope of engagement, our Infrastructure. You will use VPN to connect to the target networks, so make sure to configure your OpenVPN client following the instructions.

Once your Certification process is started, you have 15 days to perform tests and produce a report of findings. No extensions are allowed. The above deadline means wasting your exam voucher.

Please make sure to have enough time for tests and report production when you begin your certification process.

Begin certification process

And then click “I Agree” in the next dialog box.

Alert message - SAFE TRANSACTION

- By beginning the certification process now, it means that you will provide your deliverable before April 3, 2013 at 11:59PM Los Angeles Time. Failing to do so means wasting your entire exam voucher.



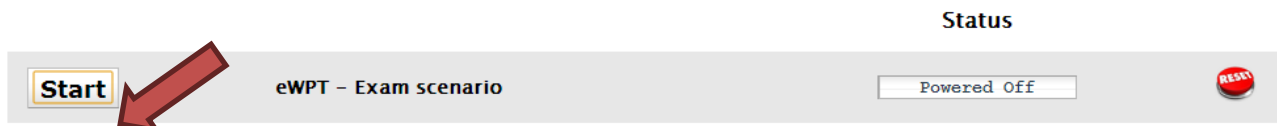
Step 4. START THE LAB

You can start the Lab by clicking the 'Start' button.

You have one free attempt. If you fail it you have a free retake.

You have started the exam on aprile 17th,2013

Please click [here](#) to obtain the exam letter of engagement.



Note: The first time, the lab could take up to few minutes to start.

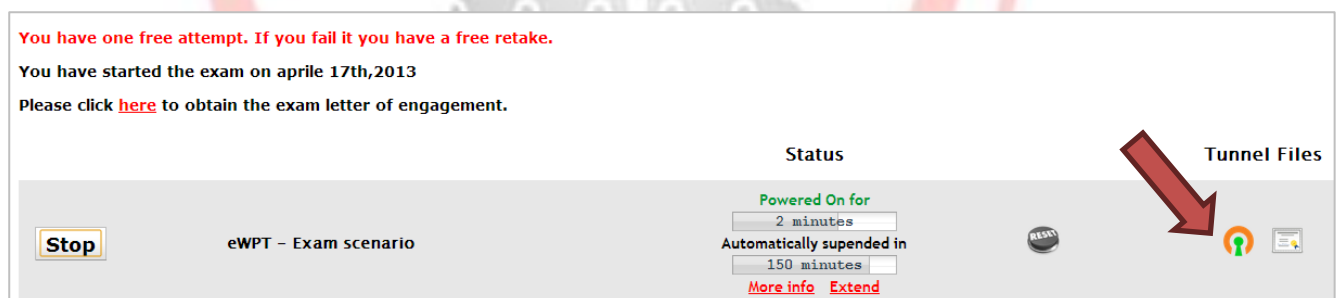
You have one free attempt. If you fail it you have a free retake.

You have started the exam on aprile 17th,2013

Please click [here](#) to obtain the exam letter of engagement.



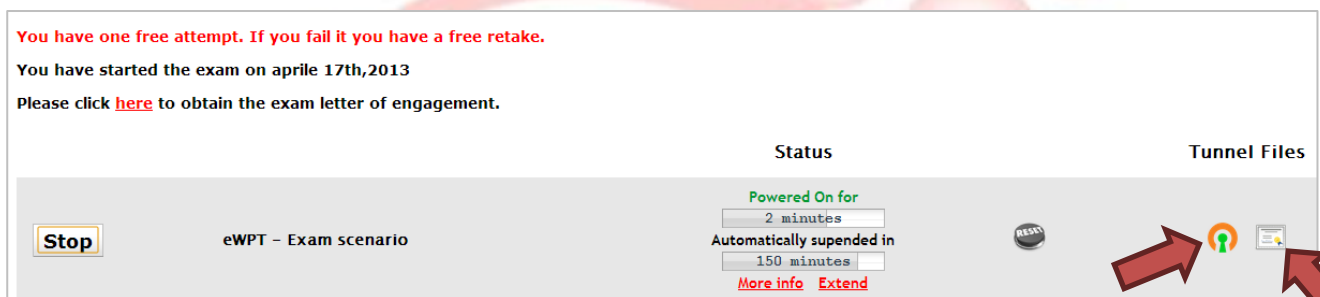
Once the lab is deployed, the VPN icon will become colored.



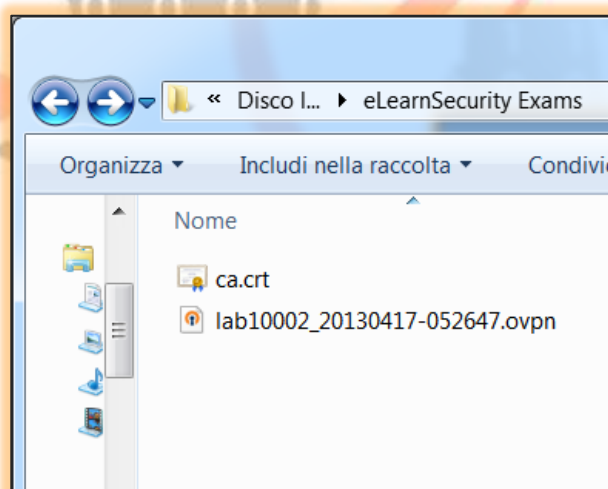
Step 5. DOWNLOAD CONFIGURATION FILES

To start a lab, you need to download the certificate file (.crt) and the lab configuration (.ovpn). The certificate file **will be used for all labs** (you can only download it once), while the configuration file (.ovpn) is unique for each lab (you need to download a new one every time you want to start a new lab).

To download the certificate and the configuration files, click on the two icons in the 'Tunnel Files' column:

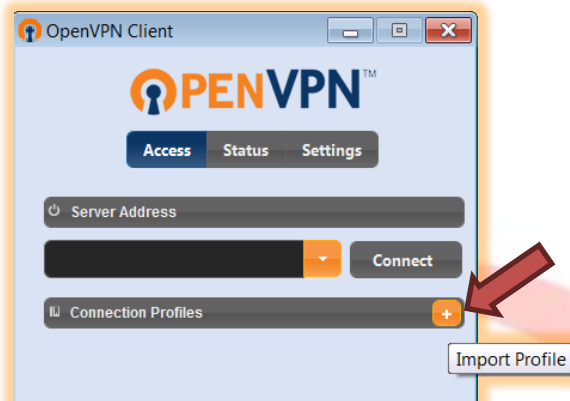


Note: Certificate and configuration files must be stored in the same folder to work.

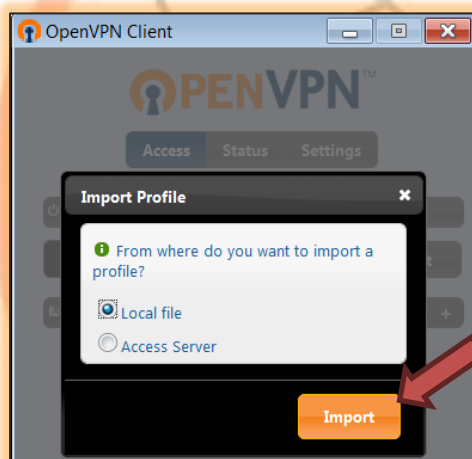


Step 6. CONNECT

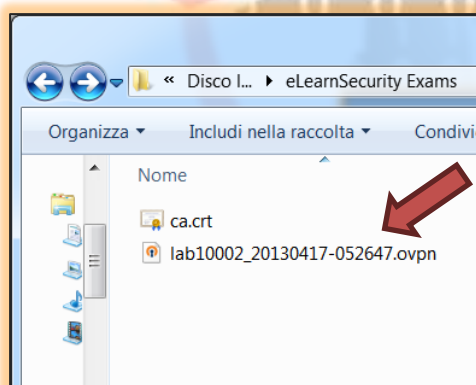
Once the lab is ready, open your OpenVPN Client and import the configuration file as follows.



Click the '+' to import the configuration file



Choose 'Local file' and click 'Import'



Choose the vpn file downloaded before

Note that you can also drag and drop the .ovpn file into the OpenVPN Client interface.



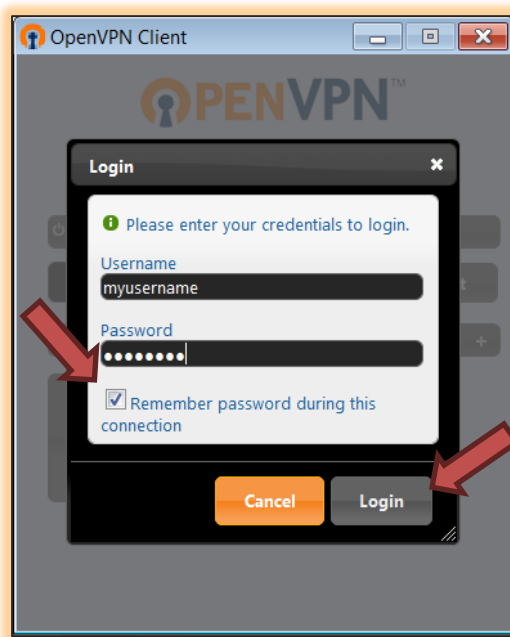
Choose a name for the VPN tunnel and save it



The tunnel has been created (Lab1)

Once the tunnel has been created, click on the new icon (Lab1 in this case), and then enter your credentials (See step b).





Enter your credentials (step B.), check *'Remember password during this connection'*, and then click *'Login'*.

If the connection is working you should see the following messages:



When the connection is established, you should see something like this:

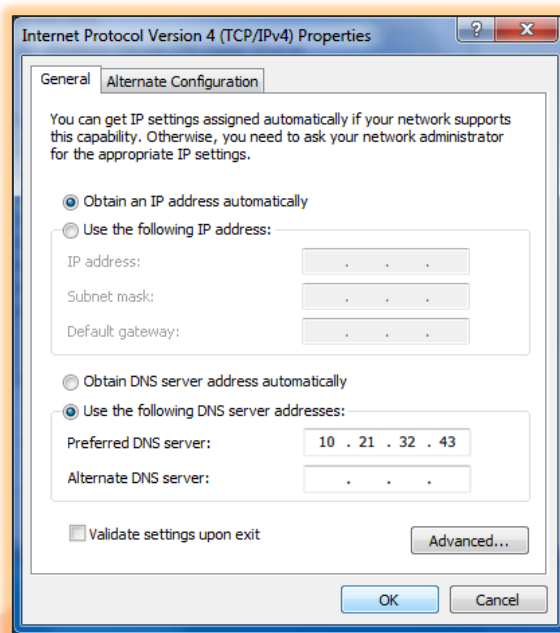




Step 7. CONFIGURE DNS

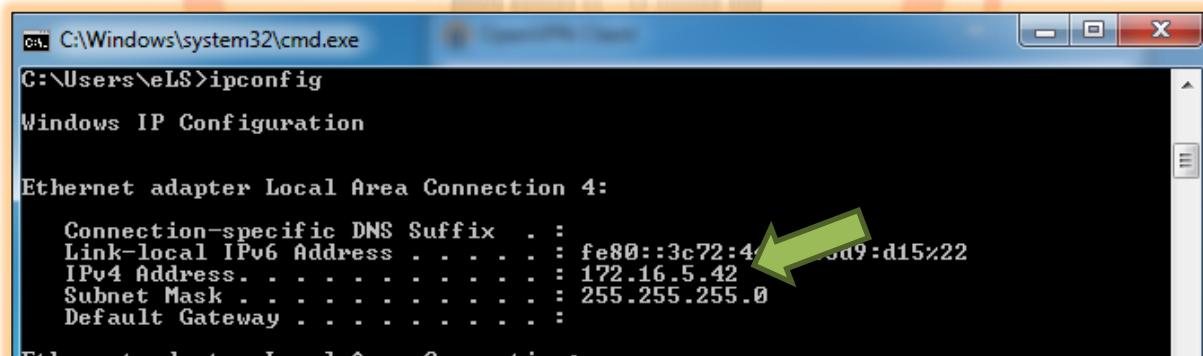
The web server is also a DNS server. In order to connect to the target organization website, you have to add the server address to your network configuration properties. The network configuration to change is needed to "TAP-Win32 Adapter OAS". The server DNS IP address is 10.21.32.43





Step 8. TEST THE TUNNEL

If the tunnel works, you should have a new network interface with that IP address displayed in the OpenVPN client.



Finally, test your connection to the lab by opening the following URLs:

- <http://foomegahost.com>
- <http://me.foomegahost.com>






Step 9. STOP THE LAB

Once you have finished using the Lab, remember to **stop it by clicking on the 'Stop' button** in the Members area.

You have one free attempt. If you fail it you have a free retake.

You have started the exam on aprile 17th,2013

Please click [here](#) to obtain the exam letter of engagement.

		Status	Tunnel Files
	eWPT - Exam scenario	Powered On for 2 minutes Automatically suspended in 150 minutes More info Extend	 

Step 10. UPLOAD THE REPORT

Once your Penetration Test is completed, you can upload the report (pdf format) to the following box.

Remember you have to upload the deliverables before 3 April 2013 at 11.59PM Los Angeles time

Allowed file format is PDF only.

No file chosen



3. LINUX USERS

Step 1. DOWNLOAD OPENVPN CLIENT

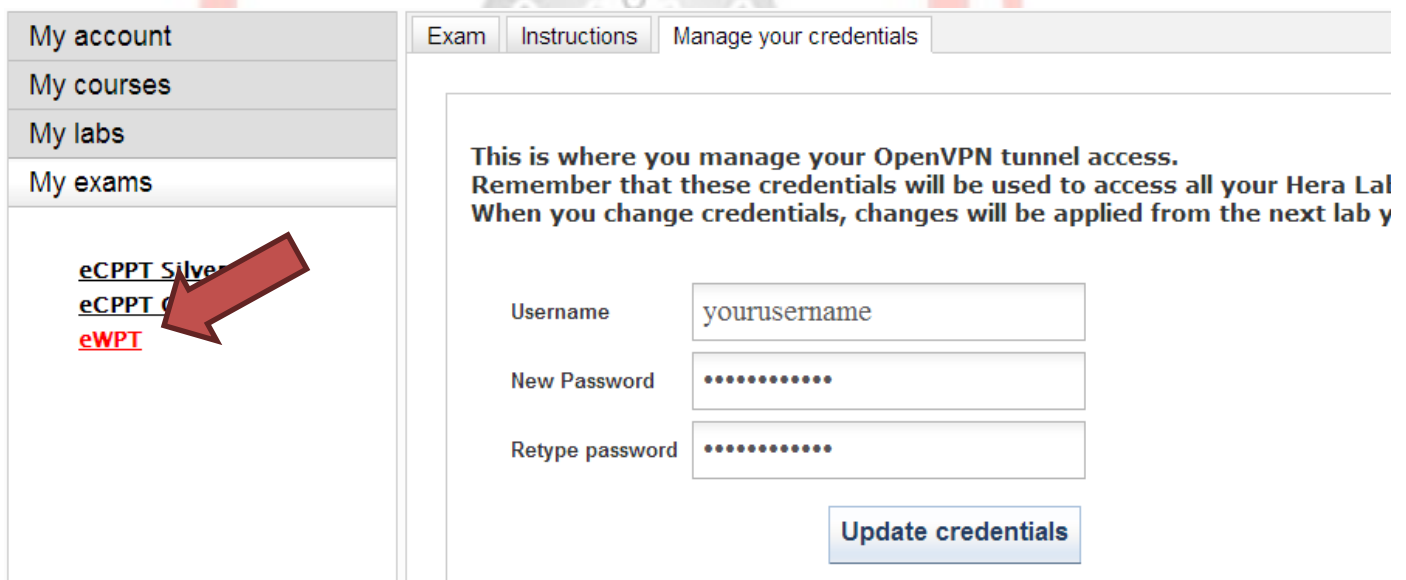
Before starting your Lab, download and install OpenVPN Client from here:

http://openvpn.net/index.php?option=com_content&id=357

Once the client is installed, reboot your system (you actually have to reboot to avoid later issues).

Step 2. CREATE USER AND PASSWORD

In order to connect through the VPN, you first need to create a Username and a Password. To do that, open the '*Manage credentials*' tab



The screenshot shows the eWPT user interface. On the left is a sidebar with a menu containing 'My account', 'My courses', 'My labs', and 'My exams'. Under 'My exams', there are three links: 'eCPPT Silver', 'eCPPT Gold', and 'eWPT'. A red arrow points to the 'eWPT' link. The main content area has three tabs: 'Exam', 'Instructions', and 'Manage your credentials'. The 'Manage your credentials' tab is active. It contains the following text: 'This is where you manage your OpenVPN tunnel access. Remember that these credentials will be used to access all your Hera Lab. When you change credentials, changes will be applied from the next lab y'. Below this text are three input fields: 'Username' (containing 'yourusername'), 'New Password' (containing dots), and 'Retype password' (containing dots). At the bottom right of the form is a blue button labeled 'Update credentials'.

Step 3. BEGIN CERTIFICATION PROCESS



In order to start your exam you need to click on the button “Begin certification process”.

Exam history | Instructions | Manage your credentials

Attempts							
Voucher purchase date	Exam start date	Deliverable release date	Examiner's Assessment date	Examiner	Report	Status	Examiner's Comment
7 november 2012	7 november 2012					EXPIRED	
19 march 2013	19 march 2013					STARTED	

You can begin the certification process within 17 july 2013

When you are ready to start your certification process, you can click on below button. You will then receive the scope of engagement of our Infrastructure. You will use VPN to connect to the target networks, so make sure to configure your OpenVPN client following the instructions.

Once your Certification process is started, you have 15 days to perform tests and produce a report of findings. No extensions are allowed. The above deadline means wasting your exam voucher.

Please make sure to have enough time for tests and report production when you begin your certification process.

Begin certification process

And then click “I Agree” in the next dialog box.

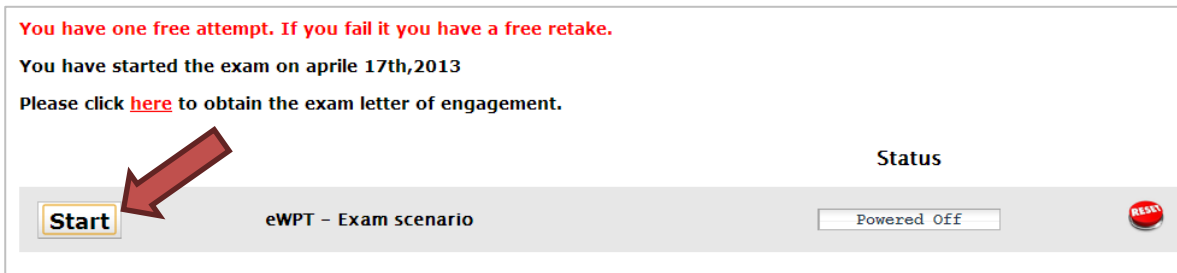
Alert message - SAFE TRANSACTION

- By beginning the certification process now, it means that you will provide your deliverable before april 3, 2013 at 11.59PM Los Angeles Time. Failing to do so means wasting your entire exam voucher.

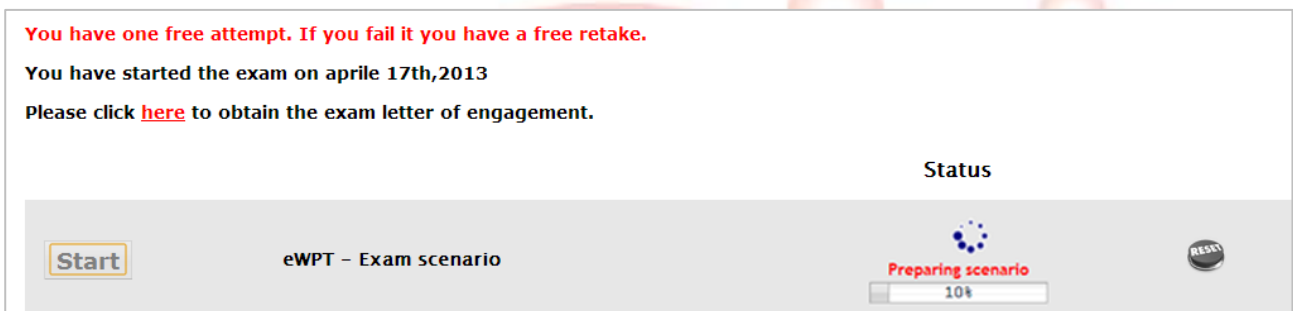
No, please close this window. | I agree.

Step 4. START THE LAB

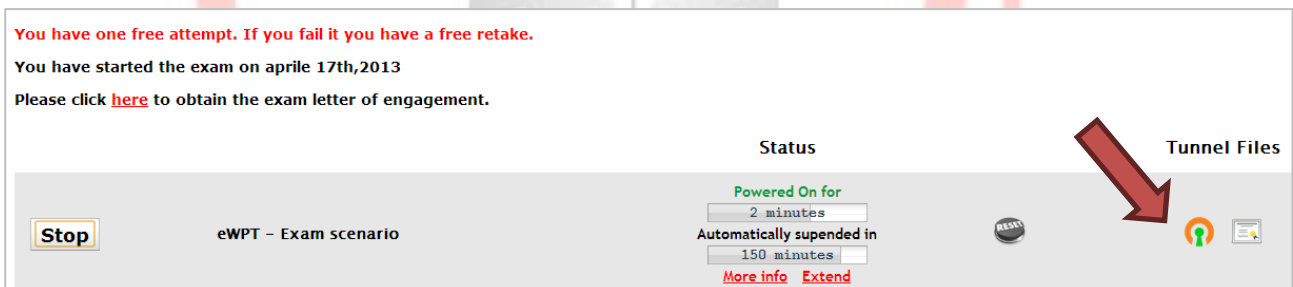
You can start the Lab by clicking the 'Start' button.



Note: The first time you launch the lab, it may take up to few minutes to start.



Once the lab is deployed, the VPN icon will become green.






Step 5. DOWNLOAD CONFIGURATION FILES



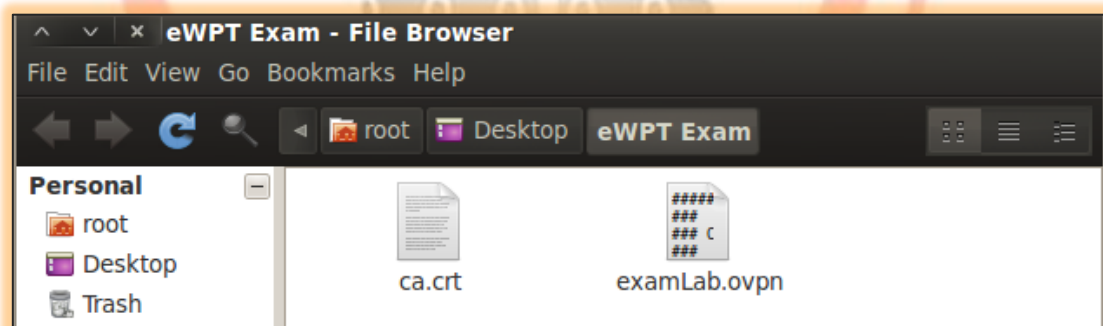
To start a lab, you need to download the certificate file (.crt) and the lab configuration (.ovpn). The certificate file **will be used for all labs** (you can only download it once), while the configuration file (.ovpn) is unique for each lab (you need to download it again every time you want to start a new lab).

To download the certificate and the configuration files, click on the two icons in the 'Tunnel Files' column:

You have one free attempt. If you fail it you have a free retake.
You have started the exam on aprile 17th, 2013
Please click [here](#) to obtain the exam letter of engagement.

	Status	Tunnel Files
 eWPT - Exam scenario	Powered On for 2 minutes Automatically suspended in 150 minutes More info Extend	 

Note: Certificate and configuration files must be stored in the same folder.

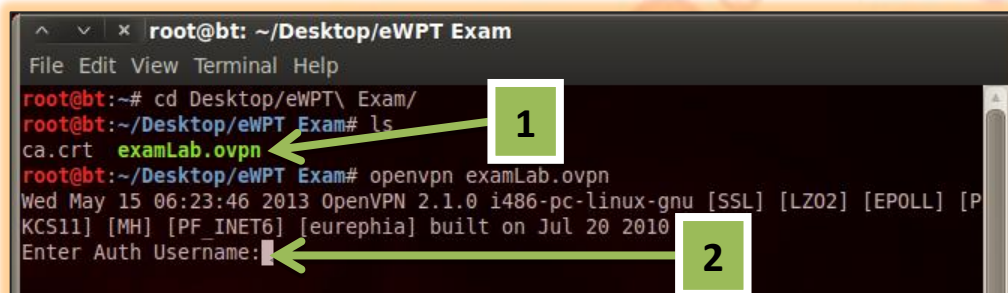


Step 6. CONNECT

Once the lab is ready, run a new terminal, and then

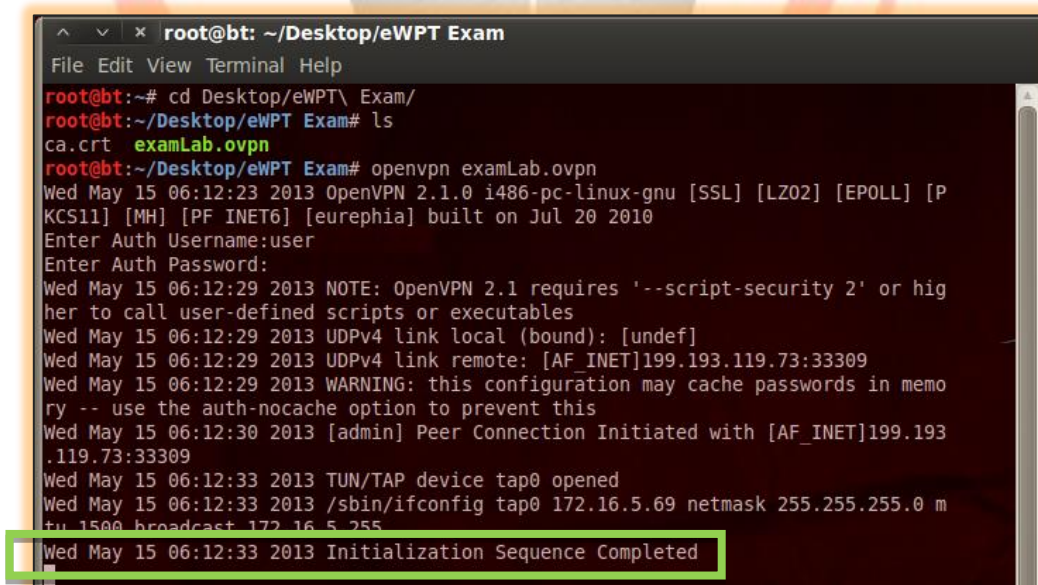
- 1) navigate to the folder where the certificate and the configurations file reside, then
- 2) run the following command:

```
>> openvpn lab_configuration_file.ovpn
```



```
root@bt: ~/Desktop/eWPT Exam
File Edit View Terminal Help
root@bt:~# cd Desktop/eWPT\ Exam/
root@bt:~/Desktop/eWPT Exam# ls
ca.crt examLab.ovpn
root@bt:~/Desktop/eWPT Exam# openvpn examLab.ovpn
Wed May 15 06:23:46 2013 OpenVPN 2.1.0 i486-pc-linux-gnu [SSL] [LZ2] [EPOLL] [P
KCS11] [MH] [PF_INET6] [eurephia] built on Jul 20 2010
Enter Auth Username:
```

If the connection works, you have to enter your credentials (See step b) and then confirm. Once the connection is established, you should see something like this:



```
root@bt:~/Desktop/eWPT Exam# openvpn examLab.ovpn
Wed May 15 06:12:23 2013 OpenVPN 2.1.0 i486-pc-linux-gnu [SSL] [LZ2] [EPOLL] [P
KCS11] [MH] [PF_INET6] [eurephia] built on Jul 20 2010
Enter Auth Username: user
Enter Auth Password:
Wed May 15 06:12:29 2013 NOTE: OpenVPN 2.1 requires '--script-security 2' or hig
her to call user-defined scripts or executables
Wed May 15 06:12:29 2013 UDPv4 link local (bound): [undef]
Wed May 15 06:12:29 2013 UDPv4 link remote: [AF_INET]199.193.119.73:33309
Wed May 15 06:12:29 2013 WARNING: this configuration may cache passwords in memo
ry -- use the auth-nocache option to prevent this
Wed May 15 06:12:30 2013 [admin] Peer Connection Initiated with [AF_INET]199.193
.119.73:33309
Wed May 15 06:12:33 2013 TUN/TAP device tap0 opened
Wed May 15 06:12:33 2013 /sbin/ifconfig tap0 172.16.5.69 netmask 255.255.255.0 m
tu 1500 broadcast 172.16.5.255
Wed May 15 06:12:33 2013 Initialization Sequence Completed
```



Step 7. CONFIGURE DNS

The web server is also a DNS server. In order to connect to the target organization website, you have to add the server address in your DNS resolver configuration file.

The IP to add is: 10.21.32.43

----- resolver configuration file path -----
- Linux: /etc/resolv.conf

Step 8. TEST THE TUNNEL

You can test the tunnel by running `ifconfig`:



```
tap0    Link encap:Ethernet  HWaddr 22:52:04:17:da:e0
        inet addr:172.16.5.43  Bcast:172.16.5.255  Mask:255.255.255.0
        inet6 addr: fe80::2052:4ff:fe17:dae0/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:100
        RX bytes:0 (0.0 B)  TX bytes:468 (468.0 B)

root@bt:~#
```

If you see a new network interface (tap0), the tunnel works fine. Finally, test your connection to the lab by opening the following URLs:

- <http://foomegahost.com>
- <http://me.foomegahost.com>


Step 9. STOP THE LAB


Once you have finished using the Lab, remember to **stop it by clicking on the 'Stop' button** in the Members area.

You have one free attempt. If you fail it you have a free retake.

You have started the exam on aprile 17th,2013

Please click [here](#) to obtain the exam letter of engagement.

	Status	Tunnel Files
 Stop	eWPT - Exam scenario	<div>Powered On for 2 minutes</div> <div>Automatically suspended in 150 minutes</div> <div>More info Extend</div>



Step 10. UPLOAD THE REPORT

Once your Penetration Test is complete, you can upload the report (pdf format) to the following box.

Remember you have to upload the deliverables before 3 April 2013 at 11.59PM Los Angeles time

Allowed file format is PDF only.

No file chosen

