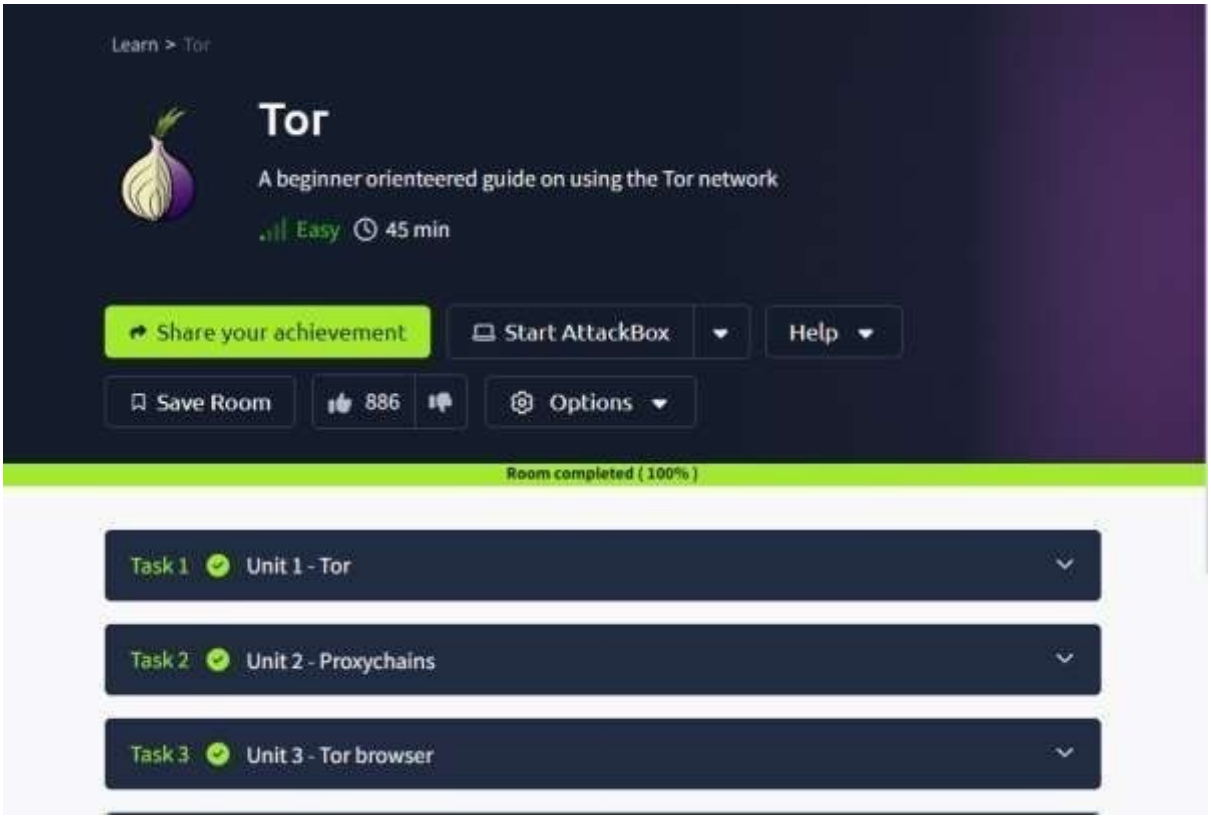
Explore Tor network for anonymous communication 231901005

AIM:

A beginner orienteered guide on using the Tor network.



TASK 1 : UNIT 1 – TOR

Run `apt-get install tor` to install/update your Tor packages.

No answer needed ✓ Correct Answer

Run `service tor start` to start the Tor service.

No answer needed ✓ Correct Answer

Run `service tor status` to check Tor's availability.

No answer needed ✓ Correct Answer

Run `service tor stop` to stop the Tor service.

No answer needed ✓ Correct Answer

TASK 2 : UNIT 2 PROXYCHAINS

Let's start with running `apt install proxychains` to install/update proxychains tool.

No answer needed ✓ Correct Answer

Now it's time to configure proxychains to work properly.

Run `nano /etc/proxychains.conf` to edit the settings. (Note: You can use any text editing tool instead of nano.)

No answer needed ✓ Correct Answer

We can now see, that most of the methods are under comment mark. You can read their description and decide on using one of them in the future. For this lesson let's uncomment `dynamic_chain` and comment others (simply put `#` to the left). Additionally, it is useful to uncomment `proxy_dns` in order to prevent DNS leak. Scroll through the document and see whenever you want to add some additional proxies at the bottom of the page (which is not required at this point).

Apply all the settings.

No answer needed ✓ Correct Answer

Now let's check our settings.

Start the TOR service and run `proxychains firefox`. Usually, you are required to put `proxychains` command before anything in order to force it to transfer data through Tor.

No answer needed ✓ Correct Answer

After the Firefox has loaded, check if your IP address has changed with any website that provides such information. Also, try running a test on `dnsleaktest.com` and see if your DNS address changed too.

NOTE: All other web browser windows should be closed before opening Firefox through proxychains!

No answer needed ✓ Correct Answer

TASK 3 : UNIT 3 – TOR BROWSER

Finish the installation.

No answer needed ✓ Correct Answer

Launch the Tor Browser and set your privacy settings to Level 2 (Safer).

No answer needed ✓ Correct Answer

What is the search engine at the following onion address:
https://duckduckgogg42xjoc72x3sjasowoarfbgcmvfimaftt6twagswzczad.onion/

DuckDuckGo ✓ Correct Answer

CONCLUSION :

Explore Tor network for anonymous communication task successfully complete.