



Purple Team

FA2026 • 2026-09-03

Setup Meeting

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Overview

- Finish VM setup
- Work through HackTheBox Starting Point



VM Setup



Download VMWare

- Go here:
<https://www.vmware.com/products/desktop-hypervisor/workstation-and-fusion>
- You may need to create a broadcom account
- Search for VMWare Workstation Pro on Windows
- Mac needs VMWare Fusion or UTM depending on Intel or ARM



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Download VMWare - Windows

← VMware Workstation Pro (For Windows) 26H1

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VMware Workstation Pro (For Windows)

Release 26H1

Release Level Info 543221

File Name	Release Date	Last Updated	SHA2	MD5	
VMware Workstation Pro for Windows VMware-Workstation-Full-26H1-25388281.exe(274.34 MB) Build Number: 25388281	May 14, 2026	May 05, 2026	a0ef9087607d9cad20b08139e73e41242e044ad5bd8cee141d3bad314586737f	83f9b6cc7cf0e74ad3b15ccca27860af	

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Download VMWare - Intel Mac

← VMware Fusion (for Intel-based and Apple silicon Macs) 26H1

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VMware Fusion (for Intel-based and Apple silicon Macs)

Release 26H1

Release Level Info 543219

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File Name	Release Date	Last Updated	SHA2	MD5	
VMware Fusion (for Intel-based and Apple silicon Macs) VMware-Fusion-26H1-25388279_universal.dmg(480.71 MB) Build Number: 25388279	May 14, 2026	May 05, 2026	c1d373aa21be25674e3ecc518819e255785dea9d456d8747bcb0a2a59244bdf6	42414933dd368abd622b15e70ceff8a1	

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Kali Install - Not ARM Mac

- Go here: <https://www.kali.org/get-kali/#kali-platforms>
- You want this:



Virtual Machines

- ✓ Snapshots functionary
- ✓ Isolated environment
- ✓ Customized Kali kernel
- ✗ Limited direct access to hardware
- ✗ Higher system requirements

VMware & VirtualBox pre-built images. Allowing for a Kali install without altering the host OS with additional features such as snapshots. Vagrant images for quick spin-up also available.

Recommended

Recommended



VMware

3.6G ↓	torrent	docs	sum
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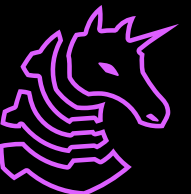
Download UTM & Kali - ARM Mac

- This will require UTM (<https://mac.getutm.app/>)
- Official docs:
<https://www.kali.org/docs/virtualization/install-utm-guest-vm/>
- I believe this requires the Apple Silicon installer
<https://www.kali.org/get-kali/#kali-installer-images>
- Alternatively, there is a 2023 prebuilt image:
<https://mac.getutm.app/gallery/kali-2023>



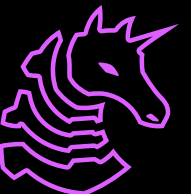
Reasonable Defaults

- **If you have a VMDK image (not ARM mac)**
 - Open existing VM -> Kali ISO -> Customize Hardware
- **Otherwise**
 - Create a new VM -> Kali ISO -> Customize Hardware
- You will probably want 60-80 gigs of disk space
- Multiple cores & >4gb RAM preferable
- There should be a guided graphical install process
- Do not change things like the window manager unless you know what you're doing
- If you go too low on disk space you might need to reinstall which is no fun



TL;DR

- If you have a Windows host:
 - Download VMware installer VMware-Workstation-Full-26H1-25388281.exe
 - And prebuilt image kali-linux-2026.2-vmware-amd64.7z
- If you have a Mac host:
 - Download UTM
 - Download **ARM64** kali installer kali-linux-2026.2-installer-**arm64**.iso
- If you have a Linux host:
 - Use virt-manager (you should be able to figure out yourself!)
 - Download **AMD64** kali installer kali-linux-2026.2-installer-**amd64**.iso

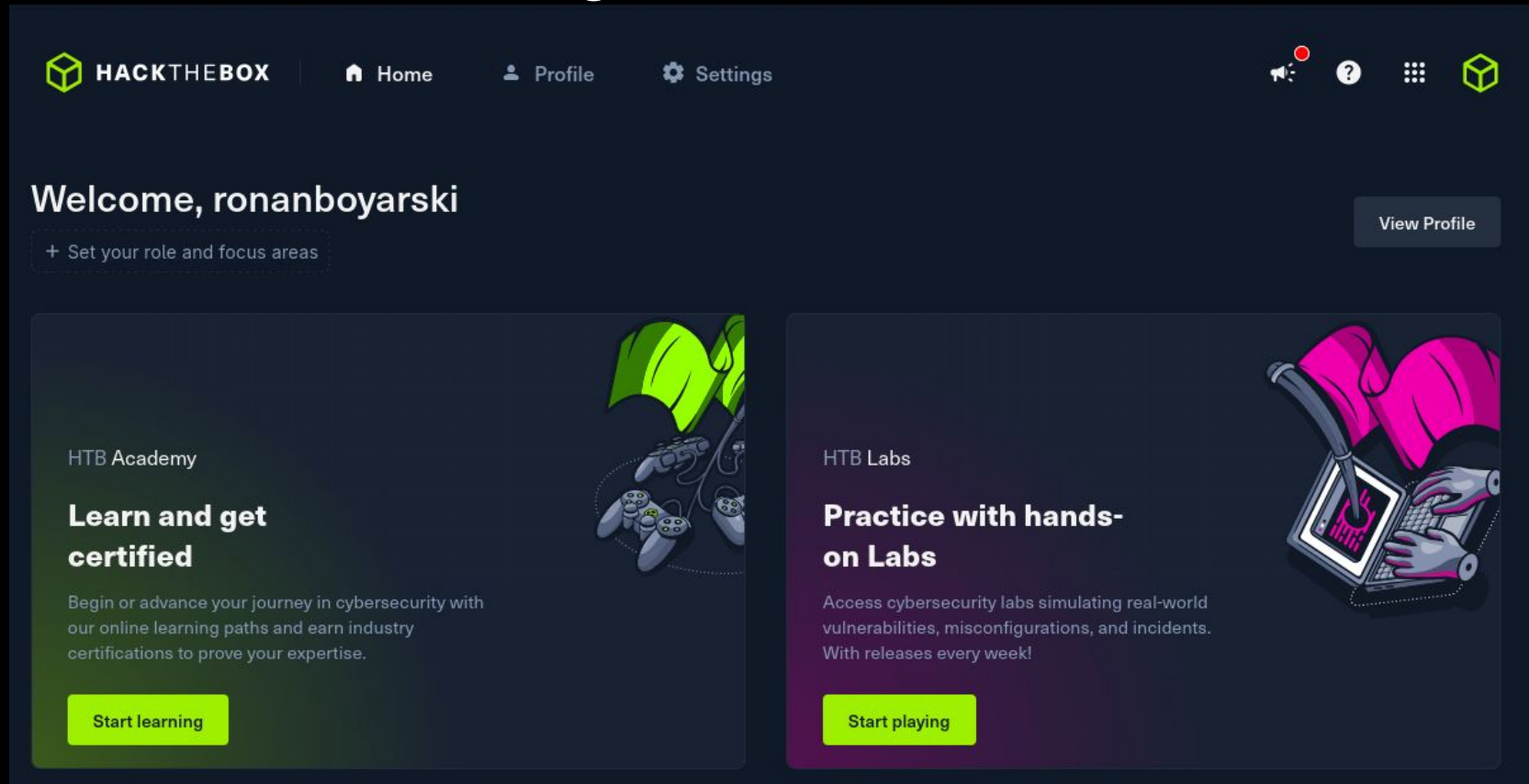


HTB Starting Point



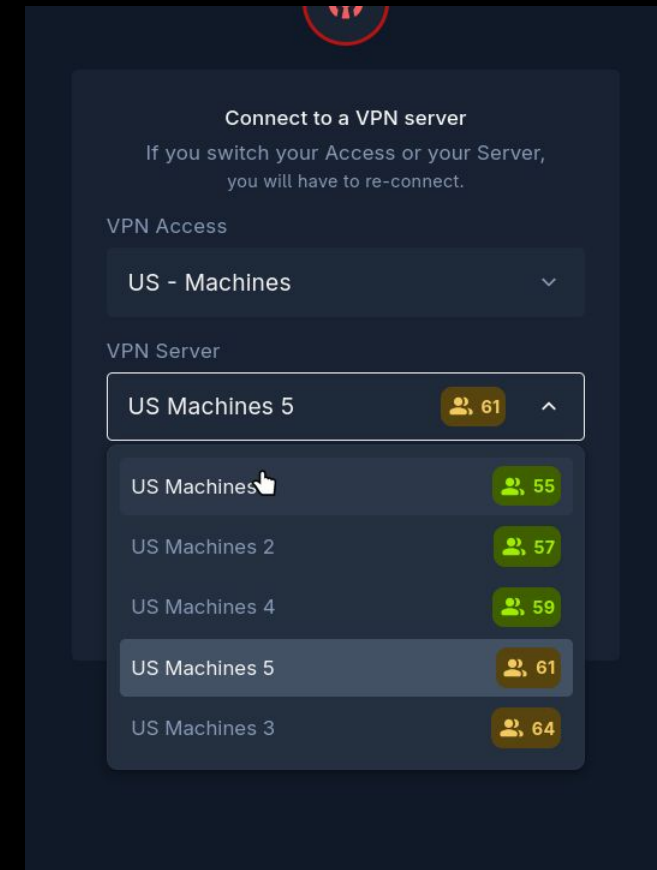
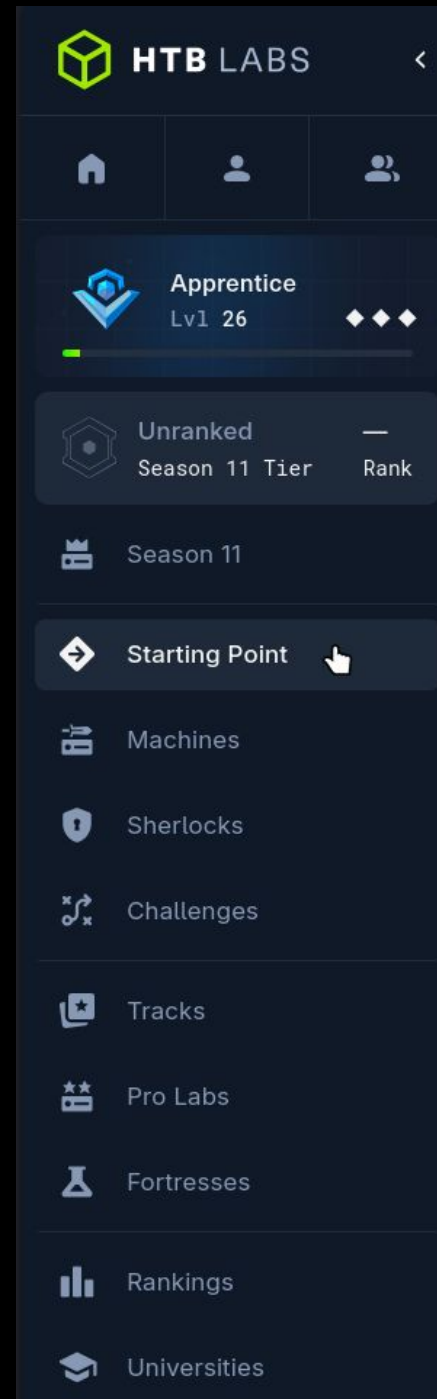
Starting Point

- Create a HackTheBox account (can use free version)
- Go to the lab section, on the right



Connect with a VPN

- In the top right corner, you will see a connect prompt
- Connect -> Machines -> OpenVPN -> US with the least people on it
- Download .ovpn file into VM
- Drag and drop with VMware tools
- Other options:
 - Shared folder
 - `python3 -m http.server`
 - Google Drive
 - hand eye coordination



Connect from Kali

- Connect from inside your VM
- You will have a .ovpn file
- Find it, run `sudo openvpn machines_us-*.ovpn`
- Should see "Initialization sequence Completed"
- Leave this going in the background

```
ronanboyarski@cyberdeck ~/Downloads> sudo openvpn machines_us-5.ovpn
```

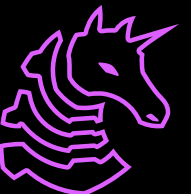
```
2026-09-02 20:48:20 add_route_ipv6(dead:beef::/64 → dead:beef:2::1 metric -1) dev tun0
2026-09-02 20:48:20 net_route_v6_add: dead:beef::/64 via :: dev tun0 table 0 metric -1
2026-09-02 20:48:20 Initialization Sequence Completed
2026-09-02 20:48:20 Data Channel: cipher 'AES-256-CBC', auth 'SHA256', peer-id: 72, compression: 'lzo'
2026-09-02 20:48:20 Timers: ping 10, ping-restart 120
2026-09-02 20:48:20 Protocol options: explicit-exit-notify 1, protocol-flags cc-exit tls-ekm dyn-tls-crypt
```



Check Connection

- Ensure you are connected by running `ip a`
- You should have a `tun0` interface and IP
- Now you have created a tunnel with your computer and the target machine in it.

```
11: tun0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN group default qlen 500
    link/none
    inet 10.10.14.90/23 brd 10.10.15.255 scope global tun0
        valid_lft forever preferred_lft forever
    inet6 dead:beef:2::1058/64 scope global
        valid_lft forever preferred_lft forever
    inet6 fe80::1a80:1ca9:3942:d4de/64 scope link stable-privacy proto kernel_ll
        valid_lft forever preferred_lft forever
```



Next Meetings

2026-09-08 • Next Tuesday

- Network Security Fundamentals

2025-09-10 • Next Thursday

- Network Security Lab

