# UnleashTheBox

## 42 meet Hackthebox

*Summary:   An immersive cybersecurity project where participants learn to exploit systems and acquire essential skills to navigate the dynamic world of information security.*

*Version: 1.00*

# Contents

# Chapter I

# Introduction

Welcome to the exhilarating world of cybersecurity! Are you ready to embark on an adventure into the depths of hacking and penetration testing?

Have you ever dreamt of mastering the art of exploiting systems? Now is your chance to turn that dream into a reality. The realm of cybersecurity offers an array of challenges where you'll learn to navigate and exploit vulnerabilities in various systems.

HackTheBox provides an immersive platform that simulates real-world scenarios for you to practice your skills. You'll encounter a diverse range of systems waiting to be breached, from web applications to network infrastructures.

The process of mastering the art of exploitation requires dedication and continuous learning. You'll gain knowledge in discovering weaknesses, analyzing vulnerabilities, and crafting exploits. As you progress, you'll develop a deep understanding of the techniques used by hackers to secure systems and protect against attacks.

So, why wait?

Begin your journey today and dive into the captivating world of cybersecurity. Prepare to face exciting challenges and elevate your skills to new heights.

# Chapter II

# Objectives

As a participant in this project, your main objective is to professionalize yourself in the field of cybersecurity.Your goal is to acquire a minimum rank that demonstrates a solid foundation of skills and competencies in infosec.

Throughout this project, you will be challenged in various areas, such as mastering different hacking techniques, understanding network security, and analyzing vulnerabilities. You will also gain hands-on experience in penetration testing and secure coding practices.

This project requires critical thinking and problem-solving skills, pushing you to explore and adapt to the ever-evolving landscape of cybersecurity. By actively participating, you will develop valuable skills and knowledge that will enhance your expertise in the field.

By achieving the set objectives, you will not only gain the necessary skills to thrive in the world of cybersecurity but also become part of a community of professionals dedicated to safeguarding digital assets and systems.

Are you ready to embrace this challenge?

Let's get started!

# Chapter III

# Mandatory Part

## III.1   Preparation

> ⚠️   You can't retry this project, and that's expected and normal.

Before starting this project, you need to create an account on the HackTheBox website.

To create your account, go to the HackTheBox website and use the interface to create your account, following the instructions provided in the screens below:
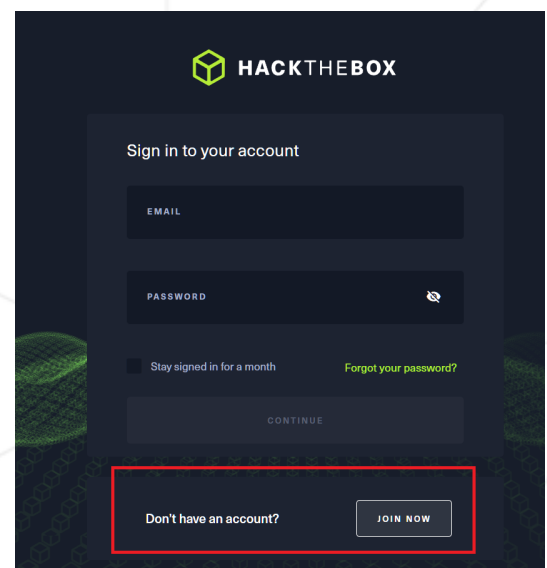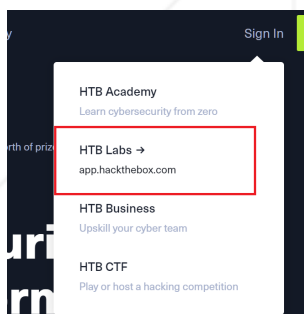


Figure III.1: Account creation

You must use your **student email address**. Your login should follow the format: `pseudo42`.

For example, if you chose "wil" as your pseudonym, your login on the
website should be wil42.



Figure III.2: Account creation

Once you have created your account, you have two options:

## III.2    Tutorial Section

You can begin with the "Tutorials" section to familiarize yourself with the website.

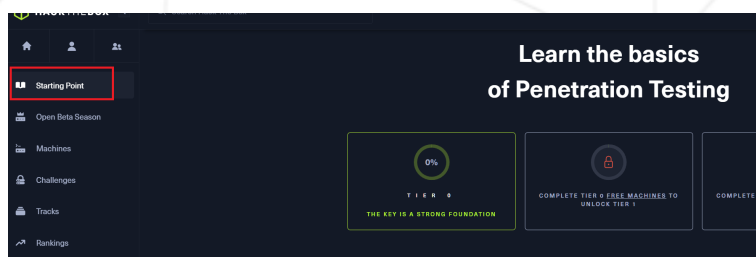You can use the Starting Point labs as indicated below:



Figure III.3: Starting Point

In this section, you'll learn about the tools you'll need to use and how to install a
VPN to access various resources.

## III.3    Active Machine Section

Now, you should start using the Active Machine section provided by HackTheBox. Access the following section on the website:
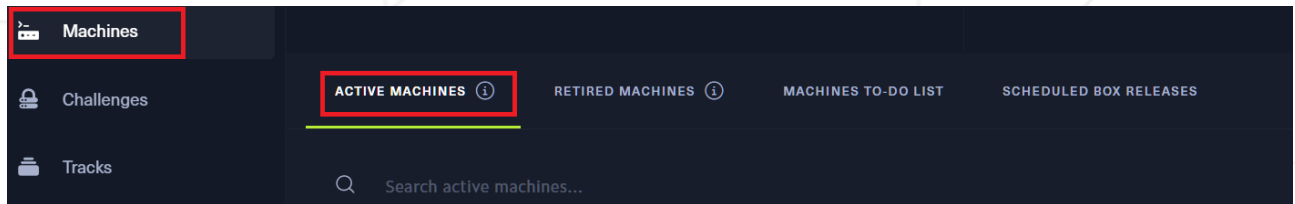


Figure III.4: Active Machine

Your goal is to become root on these machines.

At any time, if you wish, you can also attempt challenges!  We leave it up to you to discover them.

It is strictly **forbidden** to carry out these challenges with more than one person.  It is therefore forbidden to publish any information about active machines as indicated on the hackthebox website.  In case of suspicion, there will be repercussions.

## III.4   Objective to Achieve

To complete the mandatory part of this project, your goal is simply to achieve the rank of `Pro-Hacker`.
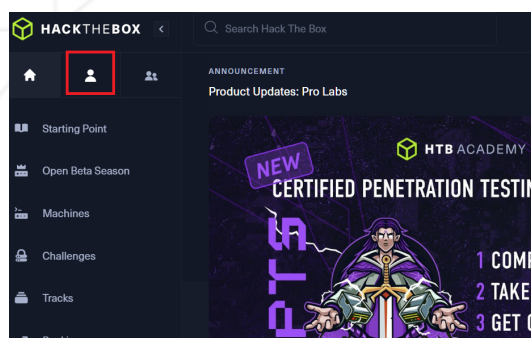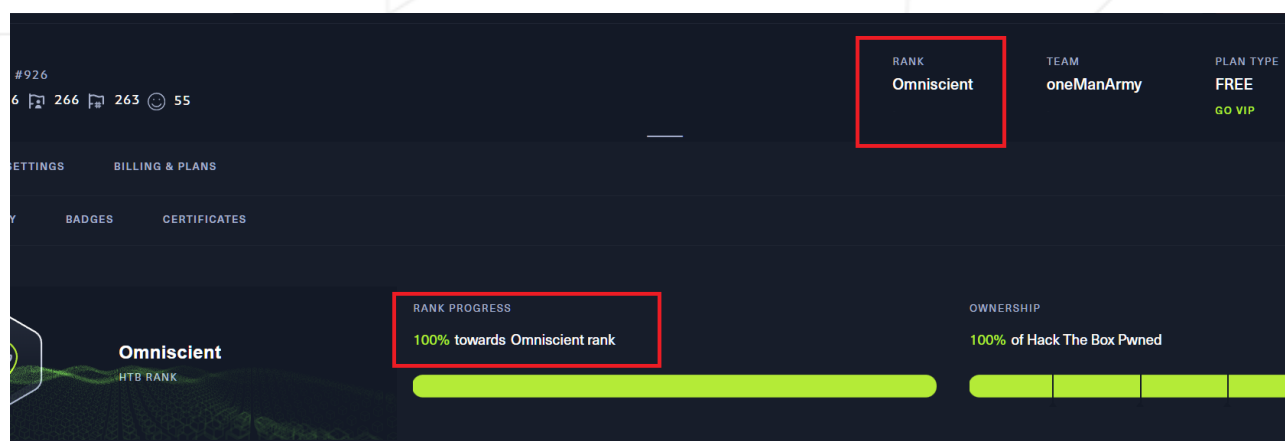


Figure III.5: Profile



Figure III.6: Ranking

It is entirely possible to validate this project with a Script Kiddie or Hacker rank.

In that case, you will receive 20% or 40% of the maximum possible grade.

Once you have done that, you will need to push a file named "login.txt" to your repository.This file must include the login you used and your student email address. Additionally, please make sure to add the URL of your public profile.:

```
$> cat login.txt
wil42,wil@42.fr,https://app.hackthebox.com/profile/926
$>
```

You need to put your profile in public, not in private.

If you wish to have a VIP account, which is optional and not free, you can enjoy a 20% discount. Please contact the pedago staff at your campus to obtain the discount code.

You can't retry this project, and that's expected and normal.

# Chapter IV

# Bonus part

To validate the bonus part you simply need to be rank `Elite-hacker`.

It's easy, isn't it? :)

> The bonus part will only be assessed if the mandatory part is
> PERFECT. Perfect means the mandatory part has been integrally done
> and works without malfunctioning.  If you have not passed ALL the
> mandatory requirements, your bonus part will not be evaluated at all.

# Chapter V

# Submission and peer-evaluation

Turn in your assignment in your `Git` repository as usual. Only the work inside your repository will be evaluated during the defense. Don't hesitate to double check the names of your folders and files to ensure they are correct.