

# **Cybersecurity Internship Report**

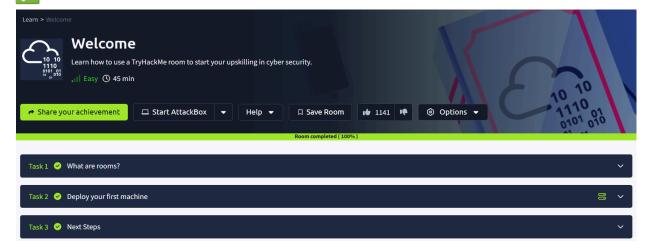
Intern Name: Kushagra Ghadigaonkar

Program: Digisuraksha Parhari Foundation Internship

**Issued By:** Digisuraksha Parhari Foundation **Supported By:** Infinisec Technologies Pvt. Ltd. **Report Submission Date:** 18th April 2025

#### 1. Hello world

M Room Name and Link:



Link:- Hello Room

### 

Understand how to Accessing machines through your browsers how to access different ip addresses through attack box of try hack me website or by using openVPN

## • Key Tools/Commands Used

- AttackBox of TryHackMe used
- 2. openVPN used

### — Concepts Learned

How to access machines through browser using inbuilt Attack box of TryHackME and Using openVPN

### Q Walkthrough / How You Solved It

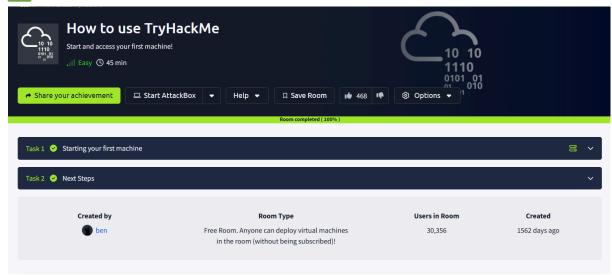
Logged into TryHackMe and joined the Hello World room. Read through each section and followed the instructions .Observed how tasks are marked as complete For openVPN,i downloaded openVPN software and imported vpn file.

### Reflections or Notes

A beginner-friendly room that builds comfort with the TryHackMe interface. The "Hello World" room helped solidify foundational knowledge. Enhanced confidence in using TryHackMe platform.

#### 2. How to use TryHackMe

Koom Name and Link:



Link: - How to use TryHackMe room

### 

Understand how to use TryHackMe and some linux commands to access and see files and folders

# Key Tools/Commands Used

- 1. Ls
- 2. Cd
- 3. Cat
- 4. attackbox

#### — Concepts Learned

How to see files and folder present in directory of linux, how to change the directory from one to another and how to read the txt file in linux.

### Q Walkthrough / How You Solved It

First i started the attackbox and machine after that in cmd prompt of linux i wrote some linux commands to see and read files as well as to change the directory

### Reflections or Notes

Helpful for understanding the structure of challenges. Sets expectations clearly for beginners. The "How to Use TryHackMe" room helped solidify foundational knowledge. Enhanced confidence in using TryHackMe platform.

#### 3. Getting Started

• **M** Room Name and Link:



Link: - Getting Started room

### 

Understand how to hack a fake social media account and guess common username, password

# Key Tools/Commands Used

- 1. openVPN
- 2. View Page Source

### — Concepts Learned

How to guess common username, password and how to see page source of particular site and search for authors if mentioned in page source

### Q Walkthrough / How You Solved It

First i started the openVPN and pasted the machin's IP address on browser after that inspecting the social media site searching for author and tried some common pattern of username and password

### Properties Properties

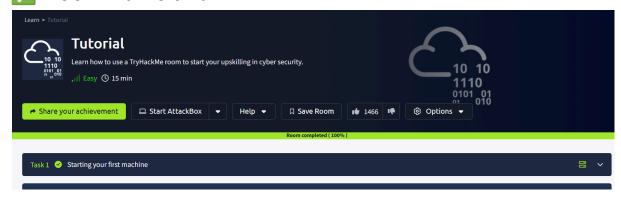
Essential room for hands-on setup. Faced minor connectivity challenges but resolved with the community support.

The "Getting Started" room helped solidify foundational knowledge.

- Enhanced confidence in using TryHackMe platform

#### 5. TryHackME Tutorial

Room Name and Link:



Link:- TryHackMe Tutorial Room

### 

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- — Concepts Learned

How to access machines through browser using inbuilt Attack box of TryHackME and Using openVPN

Q Walkthrough / How You Solved It

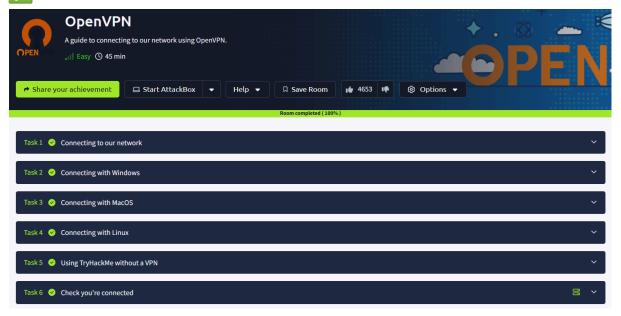
Logged into TryHackMe and joined the Hello World room. Read through each section and followed the instructions .Observed how tasks are marked as complete For openVPN,i downloaded openVPN software and imported vpn file.

### Properties Reflections or Notes

Fun and interactive! Reinforced my Linux basics and showed how tasks can be hands-on.

### 6. OpenVPN Configuration

M Room Name and Link:



Link:- OpenVPN Room

### 

Understand how to connect vpn to windows, mac and linux like systems

Key Tools/Commands Used

Downloaded the openVPN from the browser

 — Concepts Learned

- 1. How VPN tunnels are established
- 2. Troubleshooting VPN connection errors

### Q Walkthrough / How You Solved It

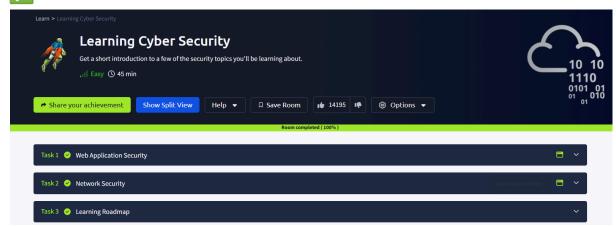
First downloaded the openVPN software and installed it after that downloaded the nearest server file and imported it to openVPN and connected the openVPN to system for accessing the IP addresses

### Reflections or Notes

A crucial setup step. Had to retry connection twice due to DNS issues.i learned how to connect the openVPN to system

#### 7. Beginner Path Introduction

• **M** Room Name and Link:



Link: - Beginner Path Introduction Room

### 

To introduce the structured "Beginner Path" in TryHackMe and its benefits and understanding how hackers hacks data through different small small home systems and how hackers hack the password and otp

### Key Tools/Commands Used

No tools or commands used

#### — Concepts Learned

How hackers hack the home equipments to steal the bank accounts data or any personal data

### Q Walkthrough / How You Solved It

Read through the room content after clicking on view site button

### Reflections or Notes

This path makes the learning organized. Motivated to complete the entire Beginner Path

#### 8. Staring out in cybersecurity

### Room Name and Link:



Link:- Starting out in cybersecurity

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Learn about the different career paths in Cyber Security and how TryHackMe can help!

## Key Tools/Commands Used

No tools or commands used

### — Concepts Learned

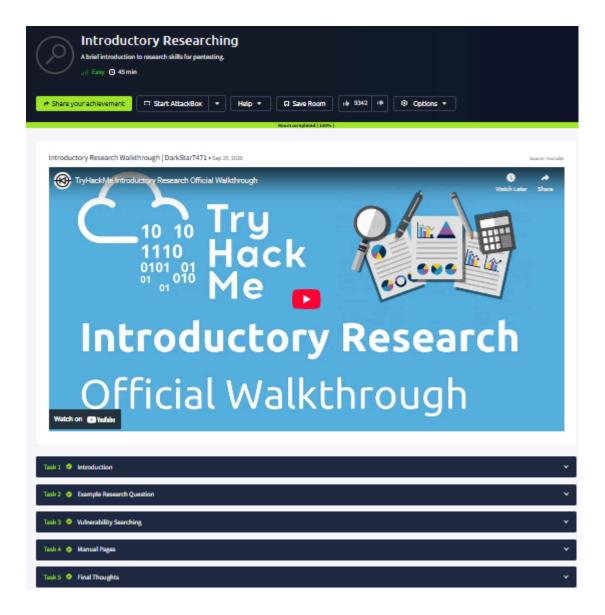
- 1. Red Team vs Blue Team roles
- 2. Cybersecurity specializations (Penetration Testing, SOC Analyst, etc.)
- 3. Soft skills required
- Q Walkthrough / How You Solved It

Completed the interactive Q&A format tasks Explored job role breakdowns with examples

• **Q** Reflections or Notes

Great insight into the real-world cybersecurity field. Helped confirm my interest in penetration testing.

- 9. Introduction to research
  - **Room Name and Link:**



Link:- Intro to research room

### • @ Learning Objective

To develop research skills in cybersecurity, especially when solving problems or learning new tools.

# Key Tools/Commands Used

Google Online, forums (Reddit, StackOverflow, TryHackMe Discord)

### — Concepts Learned

- 1. How to perform cybersecurity-related research
- 2. Using the right keywords and sources

### Q Walkthrough / How You Solved It

- Followed practical scenarios and researched online
- Completed tasks by finding external resources

### 

This room taught how to be self-sufficient and resourceful—key for any cybersecurity learner