Cybersecurity Internship Report

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Introduction

This report outlines the progress and insights gained during the completion of a series of beginner-friendly TryHackMe labs. These rooms were completed as part of a structured internship program aimed at establishing a foundational understanding of cybersecurity principles, tools, and hands-on lab experiences.

A] Room: Hello World

🔗 **Visit Room**

1.) Learning Objective:
Familiarize with the TryHackMe platform and understand basic navigation.

2.)Key Tools/Commands Used:

- **TryHackMe Web Interface**

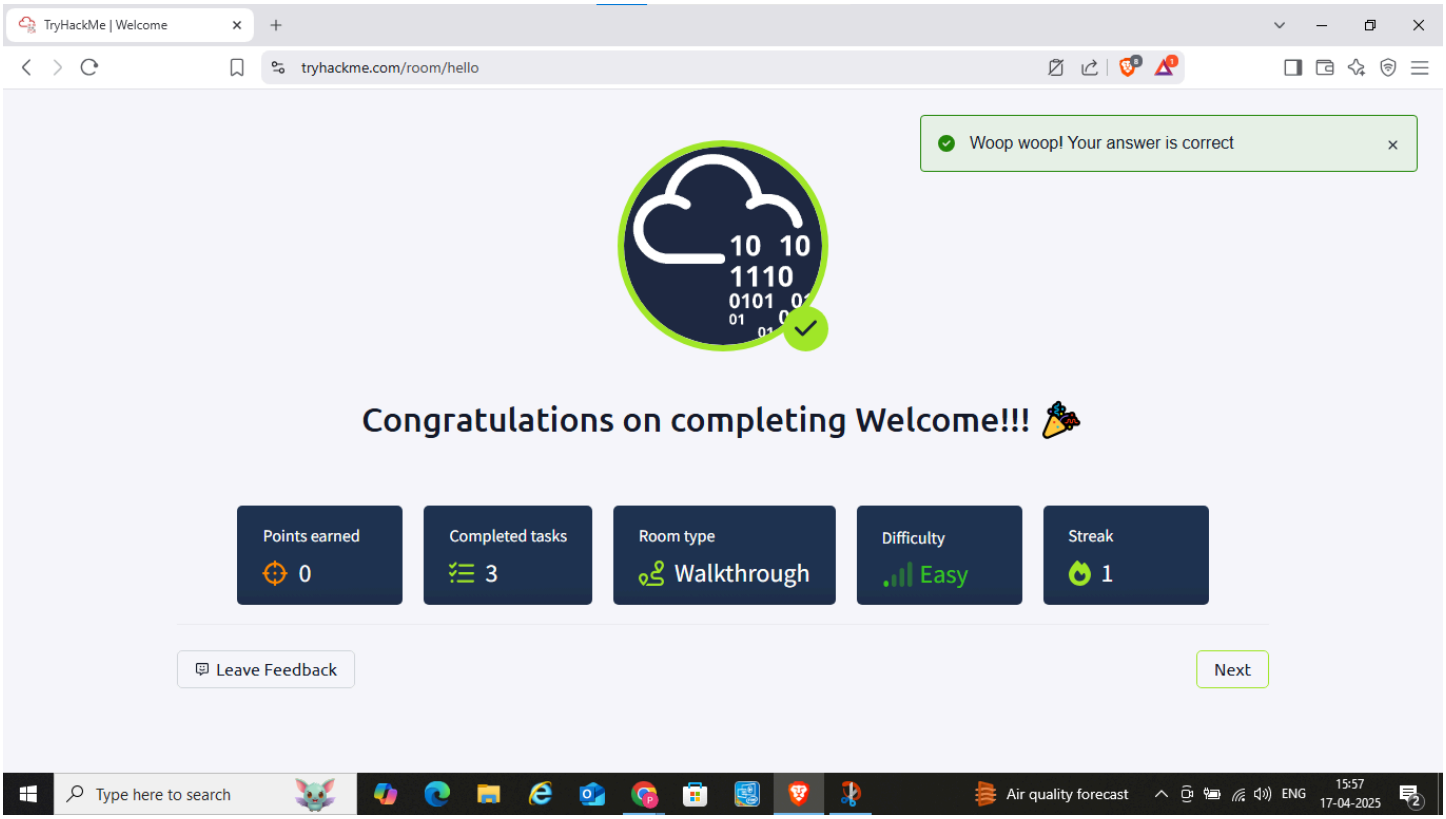
3.) Concepts Learned:

- **Platform layout**
- **Task progression system**
- **Accessing virtual machines (VMs)**

4.) Walkthrough / How You Solved It:

- **Logged into TryHackMe and accessed the Hello World room**
- **Read and completed each section as instructed**
- **Verified task completion status**

5.) Reflections or Notes:
An ideal starting point for beginners to get comfortable with the platform.



B] Room: How to Use TryHackMe

🔗 [Visit Room]

1.) Learning Objective:
Learn how to interact with TryHackMe rooms, VMs, and hints.

2.) Key Tools/Commands Used:

- **TryHackMe Interface**

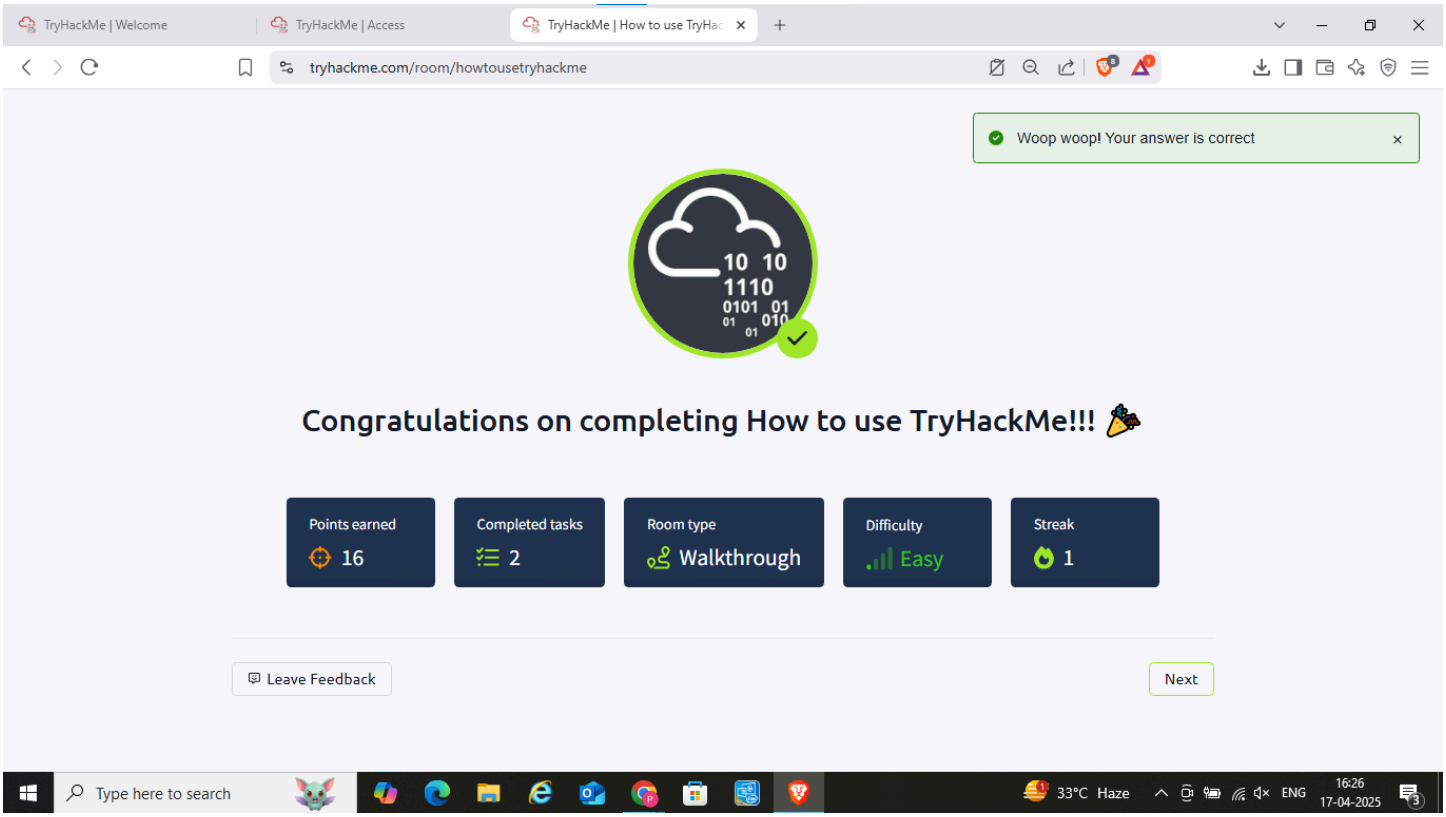
3.) Concepts Learned:

- **Split screen usage**
- **Starting/stopping rooms**
- **Viewing hints and marking progress**

4.) Walkthrough / How You Solved It:

- **Navigated the platform and initiated the VM**
- **Followed step-by-step instructions and completed all tasks**

5.) Reflections or Notes:
A helpful overview of how TryHackMe rooms function and what to expect.



C] Room: Getting Started

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1.) Learning Objective:
Set up and validate VPN connection for secure lab access.

2.) Key Tools/Commands Used:

- **OpenVPN**
- **Terminal (ping command)**

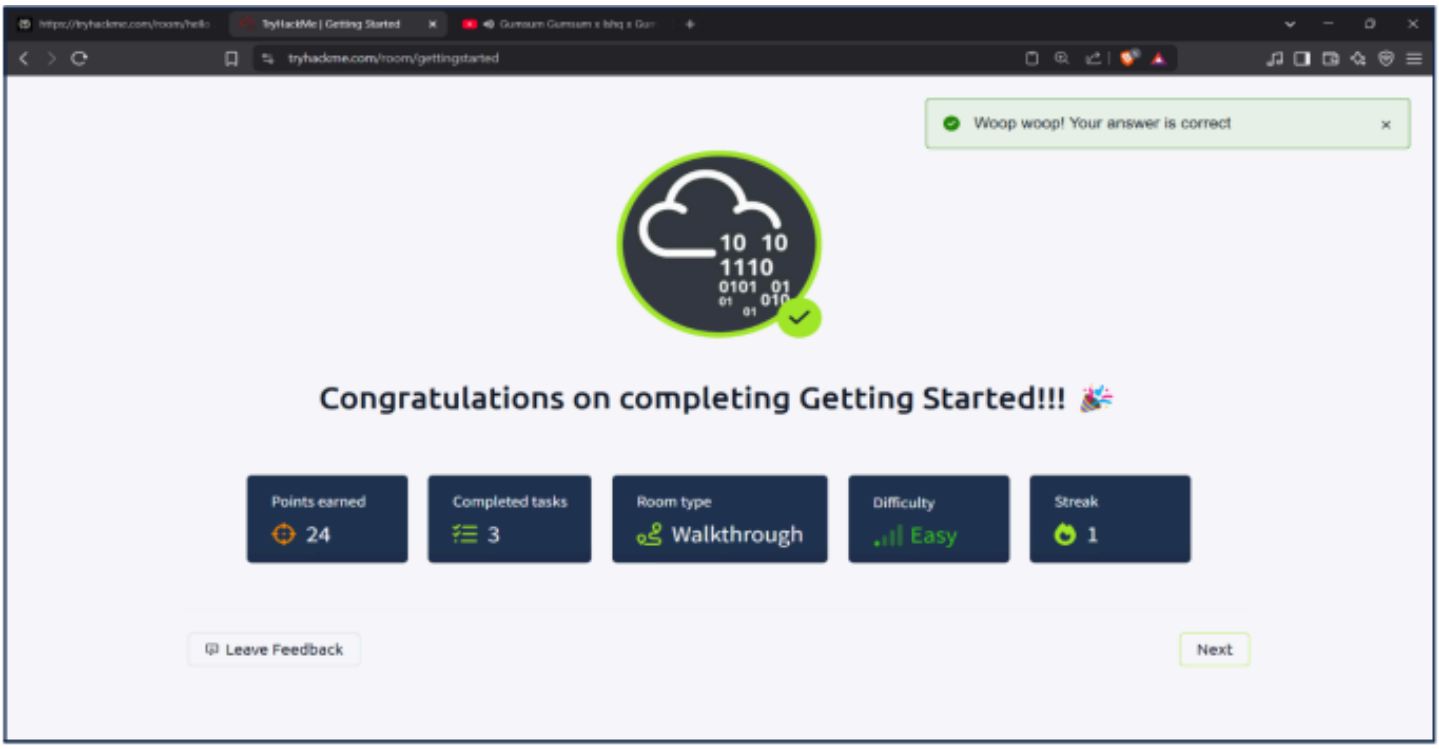
3.) Concepts Learned:

- **VPN configuration using .ovpn files**
- **Verifying connection with ping**

4.) Walkthrough / How You Solved It:

- **Installed OpenVPN**
- **Downloaded and applied configuration file**
- **Successfully connected and validated with ping**

5.) Reflections or Notes:
Faced initial setup issues, but resolved them with support. Crucial for lab access.



D] Room: Welcome

🔗 [Visit Room]

1.) Learning Objective:
Introduce available learning paths and the structure of TryHackMe content.

2.) Key Tools/Commands Used:

- **None (Informational Room)**

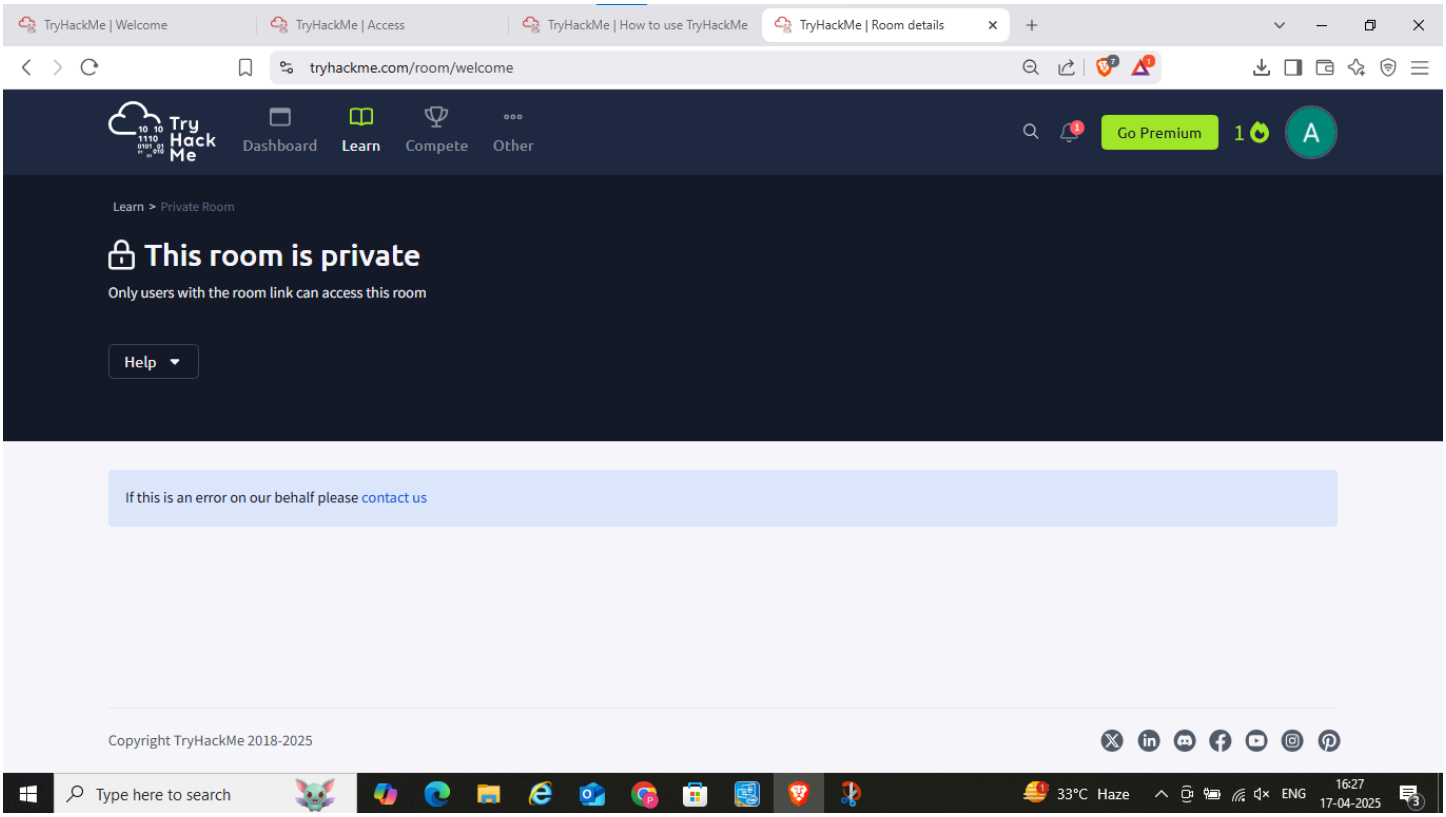
3.) Concepts Learned:

- **Cybersecurity learning tracks**
- **Organized curriculum flow**

4.) Walkthrough / How You Solved It:

- **Explored the room and followed links to related paths and topics**

5.) Reflections or Notes:
Provides a motivational roadmap and guidance for ongoing learning.



E] Room: TryHackMe Tutorial

🔗 [Visit Room]

1.) Learning Objective:
Gain practical experience interacting with Linux-based systems.

2.) Key Tools/Commands Used:

- **Terminal (Linux shell commands)**

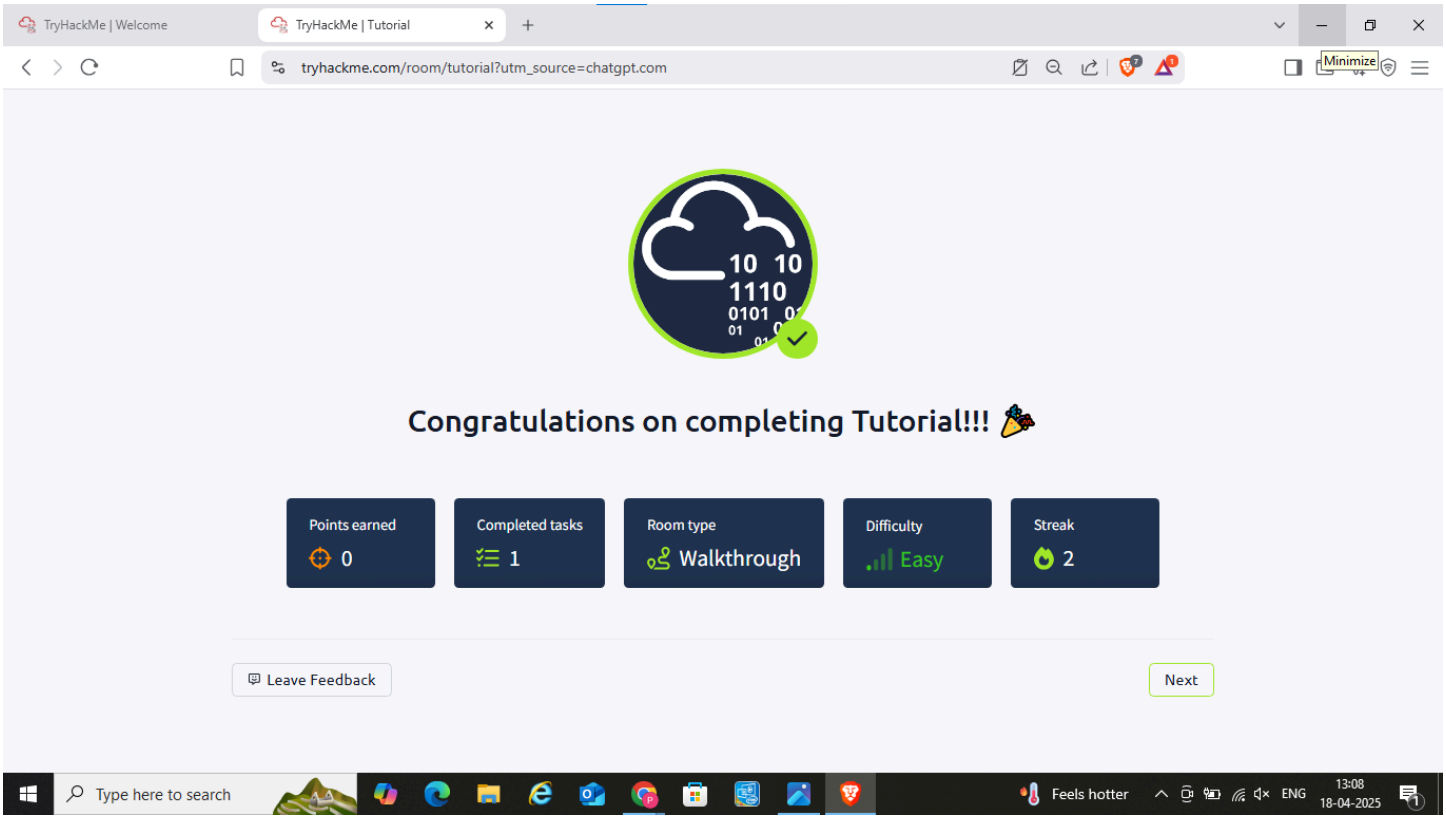
3.) Concepts Learned:

- **Navigating directories (ls, cd)**
- **Viewing files (cat)**

4.) Walkthrough / How You Solved It:

- **Used built-in VM terminal to execute commands**
- **Located and submitted flags based on file contents**

5.) Reflections or Notes:
Interactive room that strengthened my Linux command-line knowledge.



F] Room: OpenVPN Configuration

🔗 [Visit Room]

1.) Learning Objective:
Set up OpenVPN and troubleshoot access to TryHackMe machines.

2.) Key Tools/Commands Used:

- **OpenVPN**
- **ifconfig, ping**

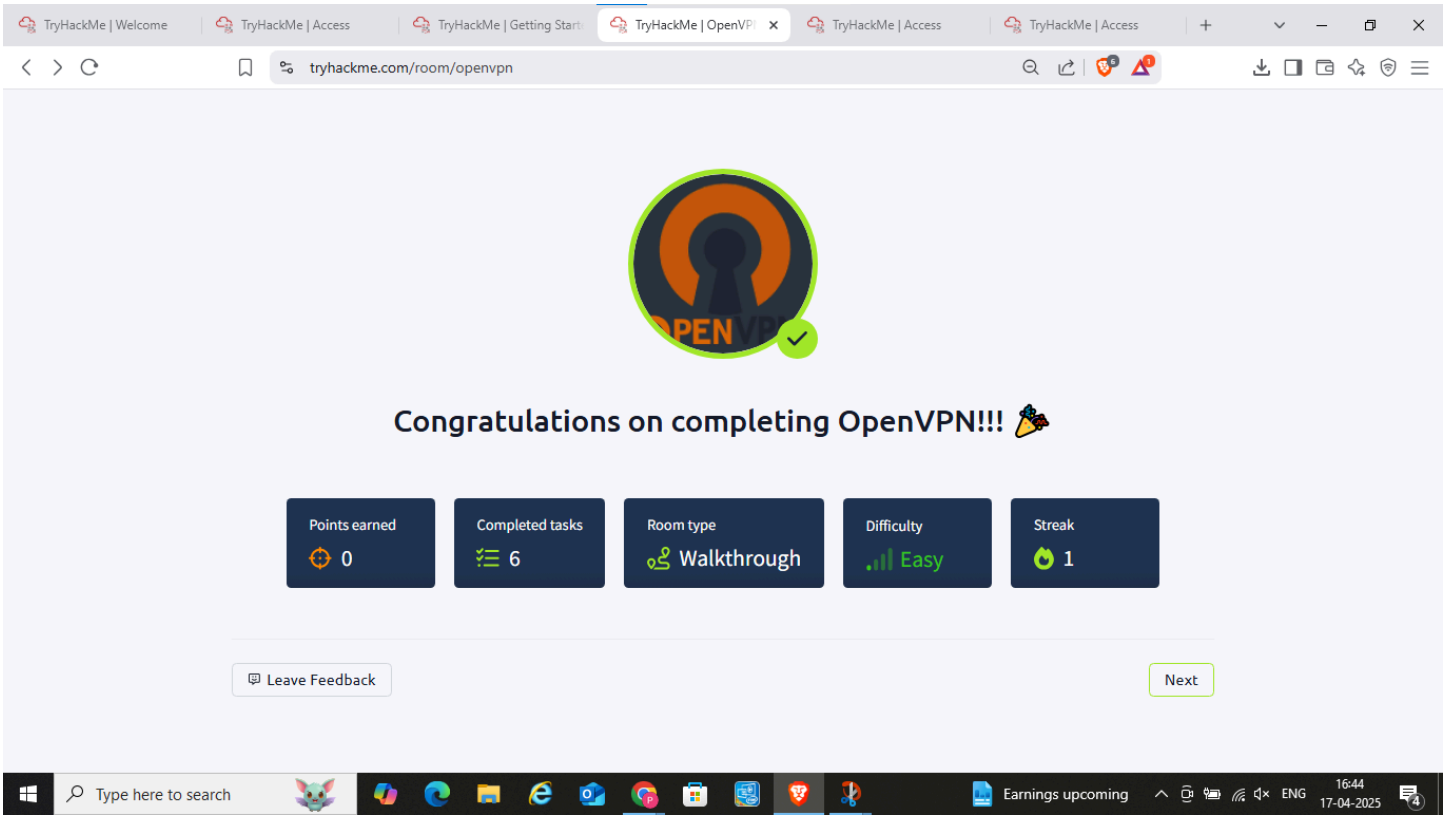
3.) Concepts Learned:

- **VPN tunneling**
- **Diagnosing connectivity issues**

4.) Walkthrough / How You Solved It:

- **Installed and ran OpenVPN using configuration file**
- **Validated connection using terminal commands**

5.) Reflections or Notes:
Crucial setup step; faced DNS errors which were fixed after retries.



G] Room: Beginner Path Introduction

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1.) Learning Objective:
Understand the layout and benefits of the Beginner Path.

2.) Key Tools/Commands Used:

- **None (Informational Room)**

3.) Concepts Learned:

- **Learning progression for cybersecurity**
- **Topics covered: Networking, Linux, Hacking**

4.) Walkthrough / How You Solved It:

- **Reviewed the content and explored linked topics**

5.) Reflections or Notes:
Well-structured roadmap that encourages steady learning.

H] Room: Starting Out in Cyber Security

🔗 [Visit Room]

1.) Learning Objective:
Discover cybersecurity roles and skillsets.

2.) Key Tools/Commands Used:

- **None**

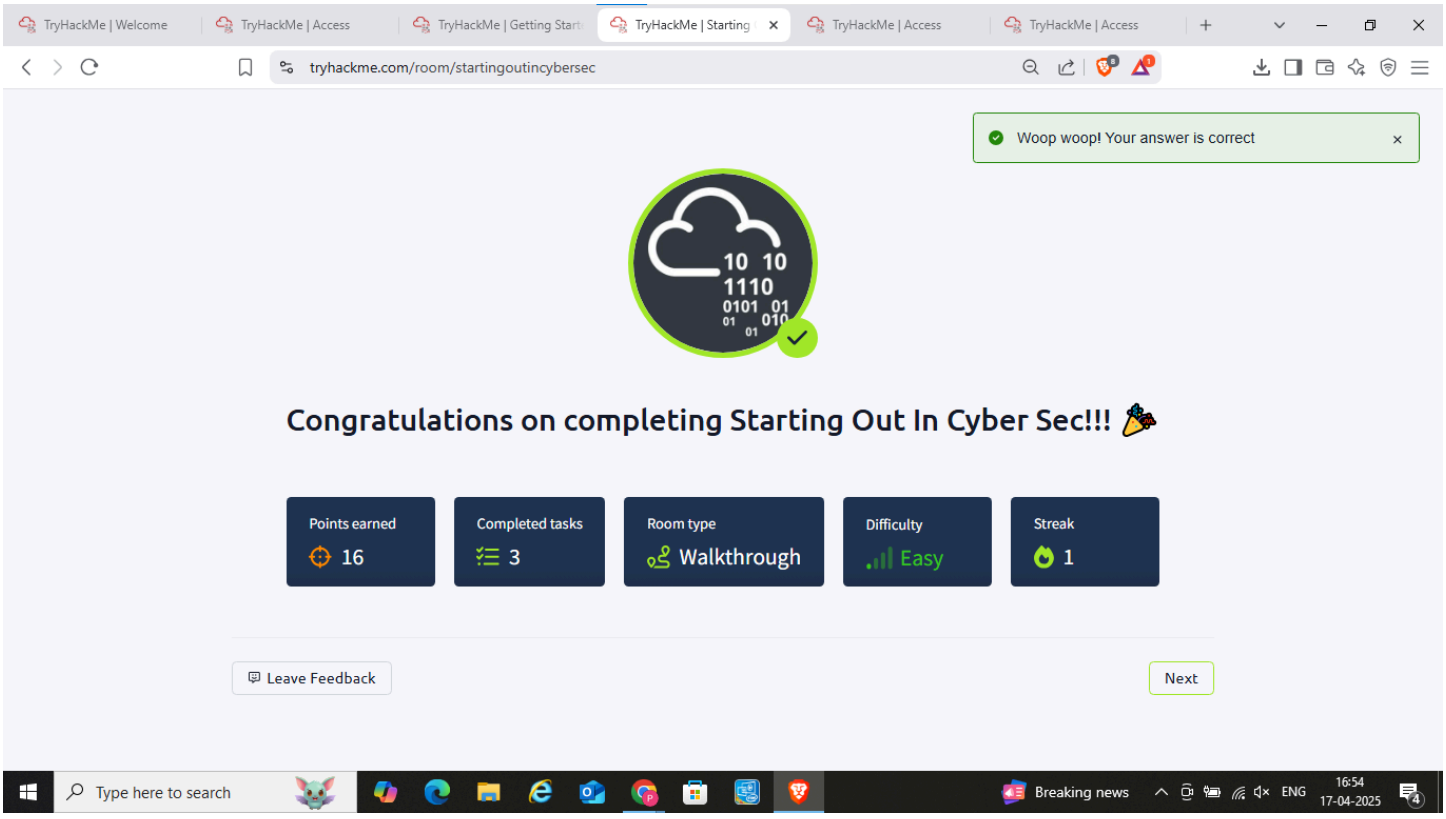
3.) Concepts Learned:

- **Red Team vs Blue Team**
- **Penetration Tester, SOC Analyst roles**
- **Importance of communication and soft skills**

4.) Walkthrough / How You Solved It:

- **Completed task-based Q&A**
- **Studied career paths and role descriptions**

5.) Reflections or Notes:
Confirmed my interest in penetration testing; broadened understanding of cybersecurity careers.



I] Room: Introduction to Research

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1.) Learning Objective:
Develop research skills for problem-solving in cybersecurity.

2.) Key Tools/Commands Used:

- Google
- Community forums (Reddit, StackOverflow, TryHackMe Discord)

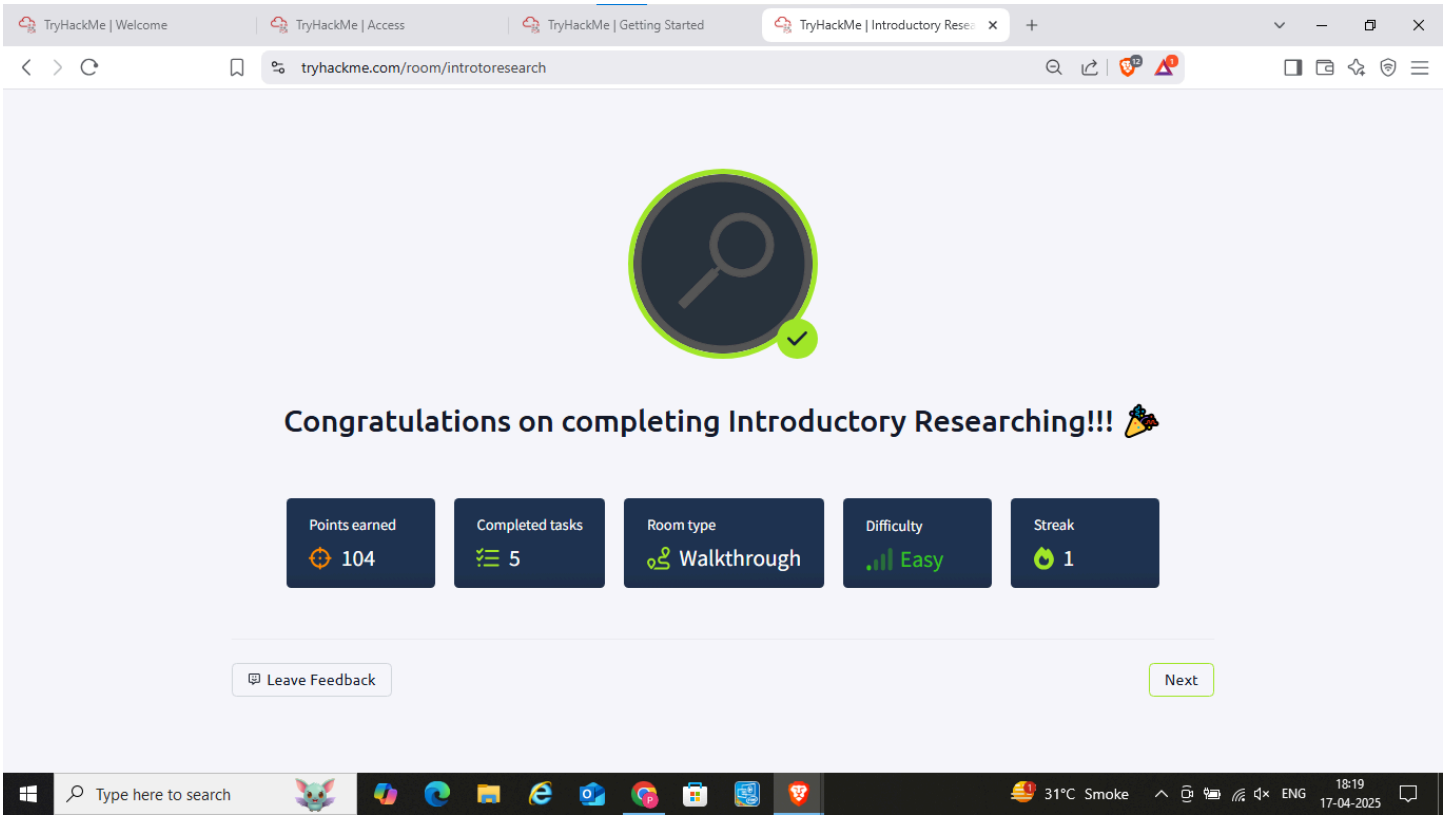
3.) Concepts Learned:

- Using the right keywords
- Validating sources and information

4.) Walkthrough / How You Solved It:

- Followed real-world examples
- Researched queries and applied findings to solve tasks

5.)Reflections or Notes:
Improved self-research and independent learning—essential in cybersecurity.



Conclusion

This internship project provided a strong start in the field of cybersecurity. Through structured TryHackMe labs, I gained practical exposure, improved technical and research skills, and developed a clear roadmap for continued learning. I look forward to deepening my knowledge through advanced topics and specialized paths ahead.