TryHackMe Expressway Machine

Cyber Security Project Report

In Cyber Security

By
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Submitted To
Easy Skill Career Academy

Candidate’s Declaration

I hereby declare that the work presented in this report titled “TryHackMe Expressway Machine” is carried out as part of hands-on cyber security practice using the authorized TryHackMe platform. All activities were conducted in a legal and ethical lab environment for learning purposes only. The content of this report is original and prepared to the best of my knowledge.

Student Signature:
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Acknowledgement

I would like to express my sincere gratitude to Easy Skill Career Academy and the TryHackMe platform for providing guidance and a safe learning environment to practice cyber security skills. I also thank my mentors and peers for their continuous support.

Abstract

This project report documents the completion of the TryHackMe Expressway machine. The objective of the machine is to enhance practical knowledge in reconnaissance, enumeration, and vulnerability analysis. Through this hands-on lab, real-world penetration testing concepts were applied in an ethical and controlled environment.

Introduction

TryHackMe is an online cyber security learning platform offering realistic virtual machines. The Expressway machine is designed to strengthen fundamental penetration testing skills.

Objectives

- Understand penetration testing workflow
- Perform network scanning and enumeration
- Identify security weaknesses
- Improve hands-on cyber security skills

Tools Used

• Nmap
• Linux Terminal
• TryHackMe VPN
• Searchsploit

Methodology

The project followed standard penetration testing phases including reconnaissance, enumeration, vulnerability analysis, and reporting.

Learning Outcomes

This project improved my understanding of ethical hacking, service enumeration, and security assessment techniques.

Conclusion

The TryHackMe Expressway machine provided valuable hands-on experience and strengthened my foundation in cyber security concepts.