Paths completed: 3
Targets compromised: 132
Ranking: Top 5%
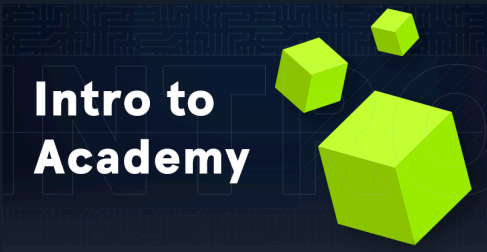
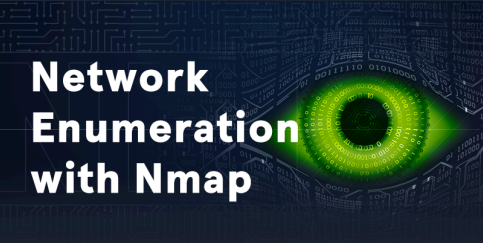PATHS COMPLETED   PROGRESS

Cracking into Hack the Box

3 Modules   Easy

To be successful in any technical information security role, we must have a broad understanding of specialized tools, tactics, and terminology. This path introduces core concepts necessary for anyone interested in a hands-on technical infosec role. The modules also provide the essential prerequisite knowledge for joining the main Hack The Box platform, progressing through Starting Point through easy-rated retired machines, and solving "live" machines with no walkthrough. It also includes helpful information about staying organized, navigating the HTB platforms, common pitfalls, and selecting a penetration testing distribution. Students will complete their first box during this path with a guided walkthrough and be challenged to complete a box on their own by applying the knowledge learned in the Getting Started module.

100% Completed

Operating System Fundamentals

3 Modules   Easy

To succeed in information security, we must have a deep understanding of the Windows and Linux operating systems and be comfortable navigating the command line on both as a "power user." Much of our time in any role, but especially penetration testing, is spent in a Linux shell, Windows cmd or PowerShell console, so we must have the skills to navigate both types of operating systems with ease, manage system services, install applications, manage permissions, and harden the systems we work from in accordance with security best practices.

100% Completed

SOC Analyst Prerequisites

10 Modules   Easy

The SOC Analyst Prerequisites path is designed for those looking to become SOC/Security Analysts. It dives into fundamental IT and Information Security subjects including networking, Linux and Windows operating systems, basic programming and scripting, as well as working with Assembly. In addition, students will be exposed to the fundamental concepts of information security and penetration testing. This skill path is made up of modules that will assist learners in developing and strengthening a foundational understanding before proceeding with learning more complex security topics.

100% Completed

MODULE   PROGRESS

Intro to Academy

8 Sections   Fundamental   General

Your first stop in Hack The Box Academy to become acquainted with the platform, its features, and its learning process.

100% Completed

Linux Fundamentals

30 Sections   Fundamental   General

This module covers the fundamentals required to work comfortably with the Linux operating system and shell.
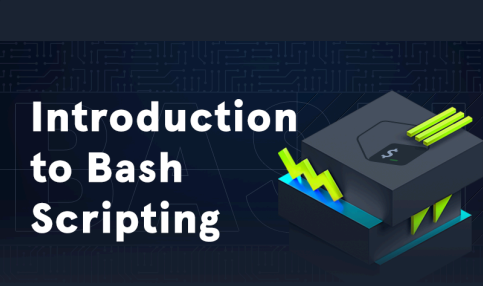
100% Completed

Network Enumeration with Nmap

12 Sections   Easy   Offensive

Nmap is one of the most used networking mapping and discovery tools because of its accurate results and efficiency. The tool is widely used by both offensive and defensive security practitioners. This module covers fundamentals that will be needed to use the Nmap tool for performing effective network enumeration.

100% Completed

Introduction to Bash Scripting

10 Sections   Easy   General

This module covers the basics needed for working with Bash scripts to automate tasks on Linux systems. A strong grasp of Bash is a fundamental skill for anyone working in a technical information security role. Through the power of automation, we can unlock the Linux operating system's full potential and efficiently perform habitual tasks.
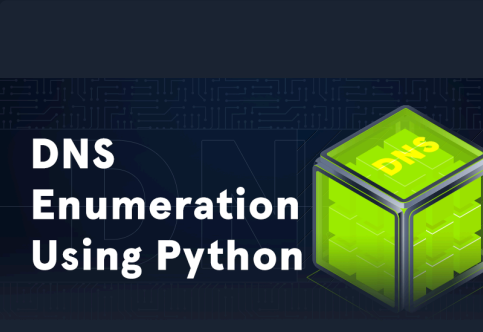
100% Completed

File Transfers

10 Sections   Medium   Offensive

During an assessment, it is very common for us to transfer files to and from a target system. This module covers file transfer techniques leveraging tools commonly available across all versions of Windows and Linux systems.

100% Completed

DNS Enumeration Using Python

11 Sections   Medium   General

As a penetration tester or red teamer, it is imperative that we understand the tools that we use inside and out and also have the ability to write out own, even simple, tools if we are on an assessment with certain constraints such as no internet or the requirement to use a customer provided host as our "attack box." A strong understanding of DNS as well as the various ways to interact with fundamental when performing any security assessment.

9.09% Completed

SQL Injection Fundamentals

17 Sections   Medium   Offensive

Databases are an important part of web application infrastructure and SQL (Structured Query Language) to store, retrieve, and manipulate information stored in them. SQL injection is a code injection technique used to take advantage of coding vulnerabilities and inject SQL queries via an application to bypass authentication, retrieve data from the back-end database, or achieve code execution on the underlying server.

100% Completed

Web Requests

8 Sections   Fundamental   General

This module introduces the topic of HTTP web requests and how different web applications utilize them to communicate with their backends.

100% Completed

Introduction to Networking

21 Sections   Fundamental   General

As an information security professional, a firm grasp of networking fundamentals and the required components is necessary. Without a strong foundation in networking, it will be tough to progress in any area of information security. Understanding how a network is structured and how the communication between the individual hosts and servers takes place using the various protocols allows us to understand the entire network structure and its network traffic in detail and how different communication standards are handled. This knowledge is essential to create our tools and to interact with the protocols.

100% Completed

Using the Metasploit Framework

15 Sections   Easy   Offensive

The Metasploit Framework is an open-source set of tools used for network enumeration, attacks, testing security vulnerabilities, evading detection, performing privilege escalation attacks, and performing post-exploitation.

100% Completed

JavaScript Deobfuscation

11 Sections | Easy | Defensive

This module will take you step-by-step through the fundamentals of JavaScript Deobfuscation until you can deobfuscate basic JavaScript code and understand its purpose.

100% Completed

Windows Fundamentals

14 Sections | Fundamental | General

This module covers the fundamentals required to work comfortably with the Windows operating system.

100% Completed

Linux Privilege Escalation

28 Sections | Easy | Offensive

Privilege escalation is a crucial phase during any security assessment. During this phase, we attempt to gain access to additional users, hosts, and resources to move closer to the assessment's overall goal. There are many ways to escalate privileges. This module aims to cover the most common methods emphasizing real-world misconfigurations and flaws that we may encounter in a client environment. The techniques covered in this module are not an exhaustive list of all possibilities and aim to avoid extreme "edge-case" tactics that may be seen in a Capture the Flag (CTF) exercise.

3.57% Completed

Attacking Web Applications with Ffuf

13 Sections | Easy | Offensive

This module covers the fundamental enumeration skills of web fuzzing and directory brute forcing using the Ffuf tool. The techniques learned in this module will help us in locating hidden pages, directories, and parameters when targeting web applications.

100% Completed

Login Brute Forcing

13 Sections | Easy | Offensive

The module contains an exploration of brute-forcing techniques, including the use of tools like Hydra and Medusa, and the importance of strong password practices. It covers various attack scenarios, such as targeting SSH, FTP, and web login forms.

15.38% Completed

Introduction to Active Directory

16 Sections | Fundamental | General

Active Directory (AD) is present in the majority of corporate environments. Due to its many features and complexity, it presents a vast attack surface. To be successful as penetration testers and information security professionals, we must have a firm understanding of Active Directory fundamentals, AD structures, functionality, common AD flaws, misconfigurations, and defensive measures.

100% Completed

Introduction to Web Applications

17 Sections | Fundamental | General

In the Introduction to Web Applications module, you will learn all of the basics of how web applications work and begin to look at them from an information security perspective.

100% Completed

Getting Started

23 Sections | Fundamental | Offensive

This module covers the fundamentals of penetration testing and an introduction to Hack The Box.

100% Completed

Intro to Assembly Language

Intro to Assembly Language

`24 Sections` `Medium` `General`

This module builds the core foundation for Binary Exploitation by teaching Computer Architecture and Assembly language basics.

100% Completed

Introduction to Python 3

Introduction to Python 3

`14 Sections` `Easy` `General`

Automating tedious or otherwise impossible tasks is highly valued during both penetration testing engagements and everyday life. Introduction to Python 3 aims to introduce the student to the world of scripting with Python 3 and covers the essential building blocks needed for a beginner to understand programming. Some advanced topics are also covered for the more experienced student. In a guided fashion and starting soft, the final goal of this module is to equip the reader with enough know-how to be able to implement simple yet useful pieces of software.

100% Completed

Penetration Testing Process

Penetration Testing Process

`15 Sections` `Fundamental` `General`

This module teaches the penetration testing process broken down into each stage and discussed in detail. We will cover many aspects of the role of a penetration tester during a penetration test, explained and illustrated with detailed examples. The module also covers pre-engagement steps like the criteria for establishing a contract with a client for a penetration testing engagement.

100% Completed

Vulnerability Assessment

Vulnerability Assessment

`17 Sections` `Easy` `Offensive`

This module introduces the concept of Vulnerability Assessments. We will review the differences between vulnerability assessments and penetration tests, how to carry out a vulnerability assessment, how to interpret the assessment results, and how to deliver an effective vulnerability assessment report.

100% Completed

Using Web Proxies

Using Web Proxies

`15 Sections` `Easy` `Offensive`

Web application penetration testing frameworks are an essential part of any web penetration test. This module will teach you two of the best frameworks: Burp Suite and OWASP ZAP.

100% Completed

Footprinting

Footprinting

`21 Sections` `Medium` `Offensive`

This module covers techniques for footprinting the most commonly used services in almost all enterprise and business IT infrastructures. Footprinting is an essential phase of any penetration test or security audit to identify and prevent information disclosure. Using this process, we examine the individual services and attempt to obtain as much information from them as possible.

42.86% Completed

Shells & Payloads

Shells & Payloads

`17 Sections` `Medium` `Offensive`

Gain the knowledge and skills to identify and use shells & payloads to establish a foothold on vulnerable Windows & Linux systems. This module utilizes a fictitious scenario where the learner will place themselves in the perspective of a sysadmin trying out for a position on CAT5 Security's network penetration testing team.

94.12% Completed

Attacking Common Services

Attacking Common Services

`19 Sections` `Medium` `Offensive`

Organizations regularly use a standard set of services for different purposes. It is vital to conduct penetration testing activities on each service internally and externally to ensure that they are not introducing security threats. This module will cover how to enumerate each service and test it against known vulnerabilities and exploits with a standard set of tools.

5.26% Completed

Information Gathering - Web Edition

19 Sections   Easy   Offensive

This module equips learners with essential web reconnaissance skills, crucial for ethical hacking and penetration testing. It explores both active and passive techniques, including DNS enumeration, web crawling, analysis of web archives and HTTP headers, and fingerprinting web technologies.
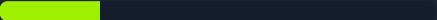
52.63% Completed

Password Attacks

22 Sections   Medium   Offensive

Passwords are still the primary method of authentication in corporate networks. If strong password policies are not in place, users will often opt for weak, easy-to-remember passwords that can often be cracked offline and used to further our access. We will encounter passwords in many forms during our assessments. We must understand the various ways they are stored, how they can be retrieved, methods to crack weak passwords, ways to use hashes that cannot be cracked, and hunting for weak/default password usage.

22.73% Completed

MacOS Fundamentals

11 Sections   Fundamental   General

This module covers the fundamentals required to work comfortably within the macOS operating system and shell.

100% Completed

Introduction to Windows Command Line

23 Sections   Easy   General

As administrators and Pentesters, we may not always be able to utilize a graphical user interface for the actions we need to perform. Introduction to Windows Command Line aims to introduce students to the wide range of uses for Command Prompt and PowerShell within a Windows environment. We will cover basic usage of both key executables for administration, useful PowerShell cmdlets and modules, and different ways to leverage these tools to our benefit.

100% Completed

Introduction to Threat Hunting & Hunting With Elastic

6 Sections   Medium   Defensive

This module initially lays the groundwork for understanding Threat Hunting, ranging from its basic definition, to the structure of a threat hunting team. The module also dives into the threat hunting process, highlighting the interrelationships between threat hunting, risk assessment, and incident handling. Furthermore, the module elucidates the fundamentals of Cyber Threat Intelligence (CTI). It expands on the different types of threat intelligence and offers guidance on effectively interpreting a threat intelligence report. Finally, the module puts theory into practice, showcasing how to conduct threat hunting using the Elastic stack. This practical segment uses real-world logs to provide learners with hands-on experience.

16.67% Completed