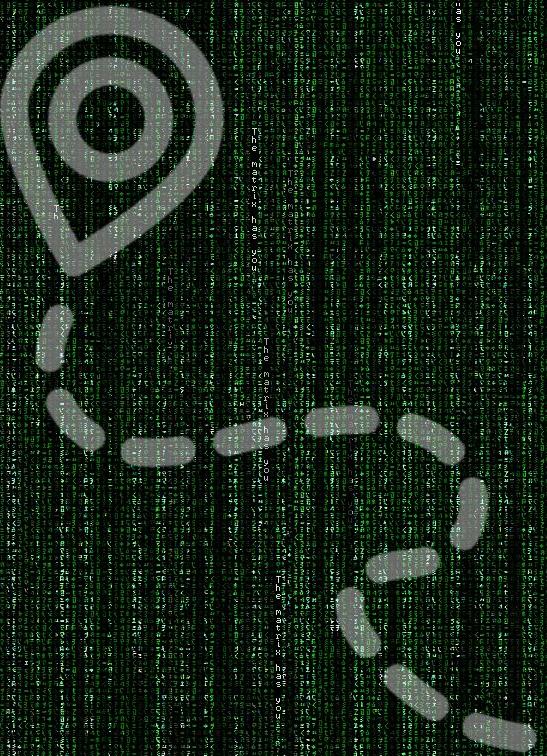


ROADMAP
RED TEAM



mxstt

Ementa

Web

Mobile

Infra

Red Team

App Sec

Web



Portswigger Academy

Server-side topics

For complete beginners, we recommend starting with our server-side topics. These vulnerabilities are typically easier to learn because you only need to understand what's happening on the server. Our materials and labs will help you develop some of the core knowledge and skills that you will rely on time after time.

SQL injection

SQL injection is an old-but-gold vulnerability responsible for many high-profile data breaches. Although relatively simple to learn, it can potentially be used for some high-severity exploits. This makes it an ideal first topic for beginners, and essential knowledge even for more experienced users.

[Go to topic →](#)

18 Labs

Authentication

[Go to topic →](#)

14 Labs

Path traversal

[Go to topic →](#)

6 Labs

Command injection

[Go to topic →](#)

5 Labs

Business logic vulnerabilities

New lab added

[Go to topic →](#)

11 Labs

Portswigger Academy

Client-side topics

Client-side vulnerabilities introduce an additional layer of complexity, which can make them slightly more challenging. These materials and labs will help you build on the server-side skills you've already learned and teach you how to identify and exploit some gnarly client-side vectors as well.

Cross-site scripting (XSS)

Simply put, XSS is one of the most important vulnerabilities out there. It's both incredibly common and extremely powerful, especially when used as part of a wider exploit chain. This is a huge topic, with plenty of labs for complete beginners and seasoned pros alike.

[Go to topic →](#)

30 Labs

Cross-site request forgery (CSRF)

[Go to topic →](#)

12 Labs

Cross-origin resource sharing (CORS)

[Go to topic →](#)

3 Labs

Clickjacking

[Go to topic →](#)

5 Labs

DOM-based vulnerabilities

[Go to topic →](#)

7 Labs

Portswigger Academy

Advanced topics

These topics aren't necessarily more difficult to master but they generally require deeper understanding and a wider breadth of knowledge. We recommend getting to grips with the basics before tackling these labs, some of which are based on pioneering techniques discovered by our world-class research team.

Insecure deserialization

Deserialization has a reputation for being difficult to get your head around but it can be much easier to exploit than you might think. We'll guide you through the process step-by-step so you can pick off some high-severity bugs that even experienced testers may have missed altogether.

[Go to topic →](#)

10 Labs

Web LLM attacks

[Go to topic →](#)

4 Labs

GraphQL API vulnerabilities

[Go to topic →](#)

5 Labs

Server-side template injection

[Go to topic →](#)

7 Labs

Web cache poisoning

[Go to topic →](#)

13 Labs

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EXERCISE	AVERAGE TIME TO COMPLETE	DIFFICULTY	# OF USERS COMPLETED	TIER
SAML: CVE-2025-29775 Signed Metadata  This exercise covers the exploitation of CVE-2025-29775 (impacting xml-crypto) without XMLResponse	> 4 Hr.		2	PRO
SAML: CVE-2025-29775  This exercise covers the exploitation of CVE-2025-29775 (impacting xml-crypto)	2-4 Hr.		9	PRO
CVE-2024-X5X87  This challenge covers the review of a CVE in a go codebase and its patch	--		40	PRO
CVE-2023-XX463  This challenge covers the review of a CVE in a Go codebase and its patch	--		37	PRO
Golang Code Review #04  This challenge covers the review of a snippet of code written in Golang.	--		42	PRO
API Mass-Assignment 03 	< 1 Hr.		94	PRO
UUIDv1 IDOR 	1-2 Hr.		60	PRO
API Mass-Assignment 02 	< 1 Hr.		116	PRO
API Mass-Assignment 01 	< 1 Hr.		130	PRO

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Ministrado por:



Carlos Vieira

Fundador da Crowsec Edtech

01 Bases

Redes de computadores

- Modelo OSI
- TCP/IP
- ARP
- BGP
- DNS
- NAT
- Protocolos (HTTP, FTP, SSH, RDP, SMB)

Infraestrutura (Apache, Nginx, Tomcat)

Cloud Native (Api Gateway, LB, Micro-services, Service Mesh)

WAF / CDN

Programação para Hacking

Desenvolvimento Seguro (DevSecOps)

API Security

02 Essential Web Hacking

Web Hacking na Prática

Aulas práticas e objetivas

Um curso completo para transformar você em um profissional altamente capacitado no mercado de Segurança Ofensiva

Ministrado por:



Carlos Vieira

Fundador da Crowsec Edtech

01 Bases

02 Essential Web Hacking

03 Advanced Web Hacking

SQL Injection (E, B, T)

- PHP Wrapper
- Log Poisoning / Log Injection
- Type Juggling
- Server Side Request Forgery (SSRF)
- Protocol Smuggling (Mysql)
- Protocol Smuggling (Redis)
- Protocol Smuggling (FastCGI)
- Protocol Smuggling (Zabbix)
- Protocol Smuggling (Memcache)
- SSRF – AWS Metadata
- Server Side Template Injection
- SSTI (Twig)
- SSTI (Jinja)
- SSTI (ERB)
- OGNL/EL Injection (Spring)

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Intigriti's bug bounty services

Secure your assets using our expert community of ethical hackers.

Intigriti's bug bounty services allow you to secure your business using our huge community of cybersecurity professionals.

- Add continuous security assessments to your infrastructure to ensure a proactive defense against emerging threats.
- Overcome tight budgets and reduce high pressure on internal security teams through a bug bounty program.

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- Add continuous security assessments to your infrastructure to ensure a proactive defense against emerging threats.
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4,5 ★★★★★ (812 classificações) 5.125 alunos

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TI e software > Rede e segurança > Teste de intrusão

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Learn how to pentest iOS Applications using the modern day pentesting tools and techniques

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7 seções • 48 aulas • Duração total: 4h 36m

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▼ Course Introduction	1 aulas • 3m
▼ Introduction	3 aulas • 18m
▼ Setting up Android Penetration Lab	6 aulas • 27m
▼ Android Application Penetration Testing - Basics	14 aulas • 1h 31m
▼ Android Application Penetration Testing - Advanced	22 aulas • 2h 17m
▼ Conclusion	1 aulas • 1m
▼ Bonus Section	1 aulas • 1m

Conteúdo do curso

7 seções • 48 aulas • Duração total: 3h 41m

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^ Course Introduction	1 aulas • 3m
▶ Course Introduction	Visualizar 02:35
▼ Basics of iOS Apps	3 aulas • 9m
▼ Setting up iOS Penetration lab	10 aulas • 48m
▼ iOS Application Penetration Testing - Basics	13 aulas • 54m
▼ iOS Application Penetration Testing - Advanced	19 aulas • 1h 48m
▼ Conclusion	1 aulas • 1m
▼ Bonus Section	1 aulas • 1m

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▼ Conclusion	1 aulas • 1m
▼ Bonus Section	1 aulas • 1m



Hacking Mobile Application - Android

Aprenda as principais técnicas para a realização de testes de invasão (Pentest) em dispositivos móveis Android seguindo as melhores práticas do mercado como Owasp Mobile Security Top 10, bem como a experiência prática no dia a dia de realização de Pentest em dispositivos Móveis.

[Sobre o treinamento](#)[Habilidades](#)[Requisitos](#)

Sec4US

em dispositivos móveis. Durante o treinamento são explorados os conceitos da Owasp Mobile Top 10 para a realização de um pentest, indo desde a preparação inicial do ambiente de testes até testes avançados como quebra de proteções (SSL pinning, root, debug e screenshot), SQL Injection, quebra de criptografia adicional de meio e muito mais.

Este treinamento é dividido em 2 fases, onde a primeira fase ocorre em metodologia EAD compondo 20 horas, sendo disponibilizada em formato de vídeo aula gravada, a segunda fase é realizada ao vivo tendo duração de 40 horas. Caso tenha alguma dúvida verifique os detalhes de cada módulo no PDF da ementa completa.

Instrutor

Thiago Martins

(Kirito)



Programa de estudos

1. Preparação do ambiente de testes
2. Criação de dispositivos Android virtuais
3. Utilização de dispositivo físico Android
4. Entendendo Arquitetura do Android
5. Engenharia reversa de aplicação Android
6. Modificando e recompilando aplicação Android
7. Hooking de classes e métodos
8. Bypass de detecção de root
9. Bypass de detecção de emulador
10. Bypass de detecção do frida
11. Bypass de proteção de screenshot
12. Bypass de múltiplas pinagens SSL
13. Reconhecendo e entendendo código ofuscado
14. Criando plugin para o Burp com Python
15. Interceptando e alterando tráfego criptografado
16. Armazenamento de dados inseguros
17. Explorando Content Providers
18. Explorando SQL Injection
19. Vazamento de dados confidenciais
20. OWASP Mobile Security Top 10

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Hacking Mobile Application - Android

Aprenda as principais técnicas para a realização de testes de invasão (Pentest) em dispositivos móveis Android seguindo as melhores práticas do mercado como Owasp Mobile Security Top 10, bem como a experiência prática no dia a dia de realização de Pentest em dispositivos Móveis.

Sobre o treinamento

Habilidades

Requisitos

O Hacking Mobile Application é um treinamento 100% prático destinado aos profissionais de TI que desejam se aperfeiçoar na área de Pentest e de Segurança Ofensiva, pois aborda técnicas de invasão em dispositivos móveis Android. O Treinamento foi inteiramente modelado conforme as

Dificuldade
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LEVEL

Beginner / Intermediate

VIDEO

23 hours - 140 videos



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Practical Mobile Application Exploitation

69 %

Course Preview

Welcome to the Course

Setting up the iOS Testing Environ...

Intro to iOS Apps

Debugging iOS Apps

Introduction to iOS Reverse Engine...

iOS App Containers and Data Anal...

Exploiting Android Flutter

In this module, we explore the security internals of Flutter applications running on Android devices. You will learn how to intercept and analyze network traffic from Flutter-based apps, addressing the challenges posed by Flutter's handling of device proxies. The module will discuss the techniques for bypassing TLS verification both manually and using advanced tools like Frida, ensuring effective traffic interception and manipulation. Through hands-on demonstrations, you will understand Flutter's implementation of TLS verification and certificate pinning, and how to exploit these mechanisms to gain deeper insights into app communications.

By the end of this module, you will be equipped with the knowledge and skills to assess, exploit, and secure Flutter application traffic, enhancing your mobile security expertise.



CERTIFICATION DETAILS	EXAM OBJECTIVES	PREREQUISITES	FORMAT	PASSING CRITERIA	CERTIFICATE
<p>The CMSE certification exam, spanning 48 hours, rigorously evaluates your expertise across a range of domains:</p> <ul style="list-style-type: none">1. iOS Application Security: Secure iOS apps through dynamic and static analysis, vulnerability identification, and effective mitigation strategies.2. Android Application Security: Safeguard Android apps by employing advanced analysis techniques, identifying vulnerabilities, and implementing security measures.3. Cross Platform Threat Detection: Detect common mobile threats across both iOS and Android platforms, including malware, rootkits, and backdoors.4. Dynamic Analysis: Execute and analyze mobile apps to uncover behavior patterns and potential malicious activities.5. Static Analysis: Dissect mobile app binaries to expose their internal structure and reveal vulnerabilities.6. Reverse Engineering: Employ advanced tools to reverse engineer mobile app code and identify exploitable weaknesses.7. Behavior Profiling: Profile the actions and intents of mobile apps to identify potential security risks.8. Advanced Threat Mitigation: Devise effective strategies for mitigating and countering complex mobile threats.9. Vulnerability Exploitation: Demonstrate the ability to identify and exploit vulnerabilities in real world scenarios.					



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Designed for both beginners and advanced enthusiasts, you'll learn how to reverse engineer and conduct thorough security audits of iOS and Android applications. You'll get a deeper insight into common bug categories, and detailed walkthroughs on how to exploit them. Learn how tools like Ghidra, Frida, LLDB, and more can be used to assist you during Mobile application assessments, or research.

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smb

Video/Course

Description

Mist

Having troubles with impacket writing to our SMB Server, writing it to the SYSVOL then copying it to the webserver

SolarLab

Discovering Guest can read files on SMB, using mount to copy all the files

Rebound

Start of nmap then checking SMB Shares

Authority

Using NetExec to search for file shares and discovering the Development share is open. Using smbclient to download everything

Gofer

Enumerating SMB to find a note which gives an email address to send a malicious document to and hints at HTTP Methods being filtered

Escape

Accessing the Public Share, downloading a PDF File and finding credentials in it, using CME again and using CME to test smb, winrm, and mssql

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Pro Labs

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Multiple Machines

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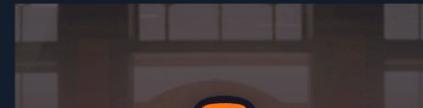
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Leverage interactive users to help you move laterally and vertically.

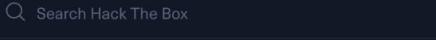


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⊕ SQL Injection Attacks

⊕ Client-Side Attacks

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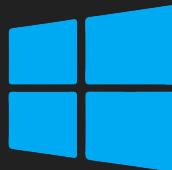
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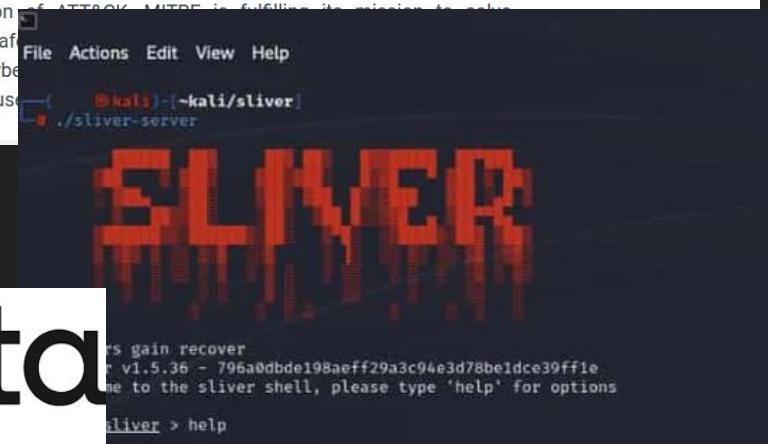
With the creation of ATT&CK, MITRE is fulfilling its mission to solve problems for a safer world by providing a common language for more effective cybersecurity. ATT&CK is designed to help organizations for use in:



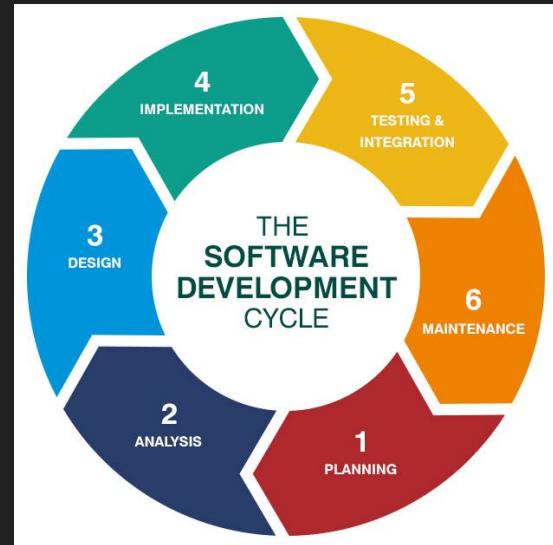
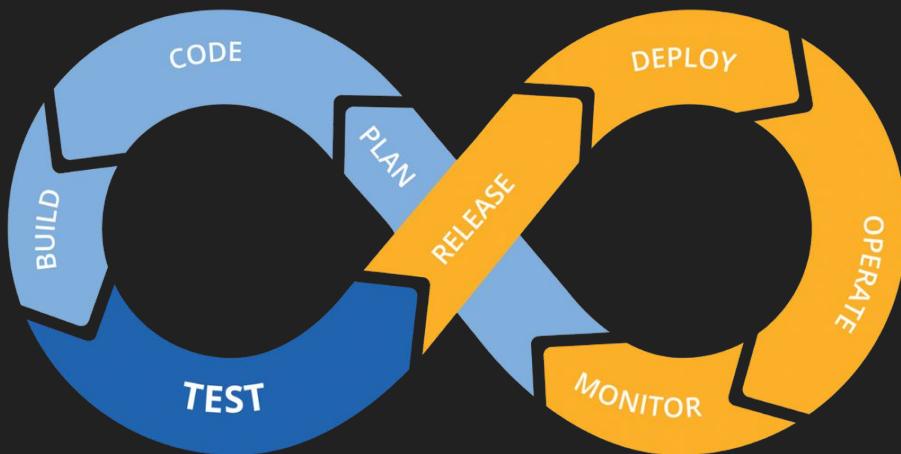
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Active Directory



okta



App Sec



Red Team



RED TEAM LABS BOOTCAMPS CERTIFICATIONS TRAININGS BLOG RESOURCES TESTIMONIALS ABOUT US CONTACT  CART



Red Team Training, InfoSec education platform & Cyber Ranges

We are pioneers and global leaders in Red Team labs platform and cyber ranges
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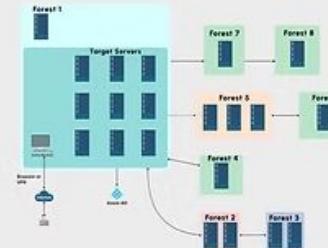
Altered Security - Trilha



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Earn the CRTP Certification

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Advanced Red Team Lab

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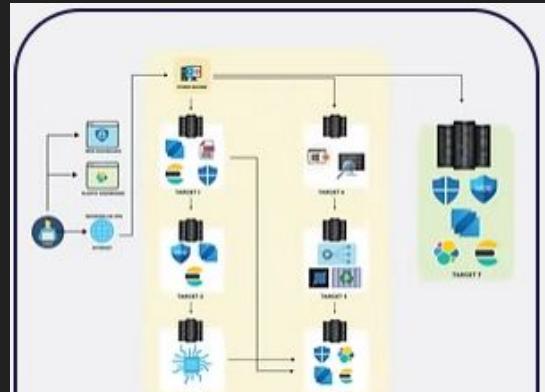


Cloud Red Team Tactics for Attacking & Defending Azure - Beginners

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(Course released on rolling basis)

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Altered Security - CRTP

Active Directory Lab

What will you Learn?

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EXAM ATTEMPT

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A learning academy offering module-based offensive security
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Malware Dev

Maldev Academy Offerings

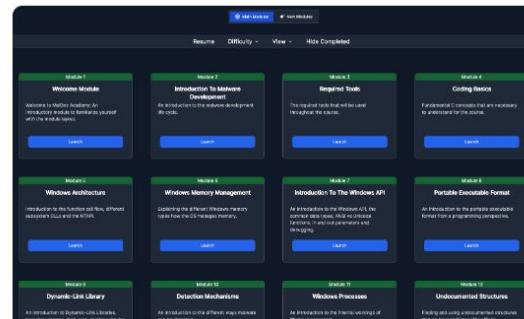
Courses & services we offer to cyber security professionals



A screenshot showing a complex piece of Python code for a phishing attack. Below it is a simple web-based login form with fields for 'Email' and 'Password' and a 'Login' button.

Offensive Phishing Operations Course

A continuously updated module-based phishing operations course with over 80 learning modules.

[More Info](#)[Pricing](#)[FAQ](#)

A screenshot of the Malware Development Course interface. It features a grid of 12 learning modules, each with a title, a brief description, and a 'Learn' button. The modules are organized into four rows and three columns.

Module 1	Module 2	Module 3
Welcome Module	Introduction To Malware Dev	Required Tools
Windows Architecture	Windows Memory Management	Introduction To The Windows API
Dynamic-Link Library	Detection Mechanisms	Portable Executable Format
Module 4	Module 5	Module 6
Windows Processes	Undocumented Structures	
Module 7	Module 8	Module 9
Module 10	Module 11	Module 12

Malware Development Course

A continuously updated module-based malware development course with over 195 learning modules and challenges.

[More Info](#)[Pricing](#)[FAQ](#)

Find code snippets for malware techniques

Default Code search

[Database](#) [Search terms](#) [FAQ](#)

Malware Development Database

Maldev Academy Database is a continuously growing database of malware code snippets.

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Malware Development Course

Lifetime

Lifetime access to the malware development course

\$499 USD

- ✓ Course access for life
- ✓ Access & download course code
- ✓ Access to module objectives
- ✓ Access to course challenges
- ✓ Occasional course updates
- ✓ Access to new course modules
- ✗ Malware development database access for life

Get started

Bundle

Lifetime access to the malware development course and database

\$699 USD

- ✓ Course access for life
- ✓ Access & download module code
- ✓ Access to module objectives
- ✓ Access to course challenges
- ✓ Occasional updates
- ✓ Access to new modules
- ✓ Malware development database access for life

Get started

Pavel

Windows Internals and Programming

Windows Internals



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COM Programming 1

Course • 58 Lessons

- Discord access

COM provides an abstraction and supporting runtime for creating component-based systems, leveraging loose coupling and independence of



\$99

COM Programming 2

Course • 36 Lessons

- Discord access

Continuing from where "COM Programming 1" left off, this course teaches COM automation, EXE Servers, and COM Threading and Apartments.



\$890 or 6 monthly payments of \$150

Malware Analysis and Development

Course • 106 Lessons

- Discord access

Learn advanced analysis techniques from real-world malware and harness this knowledge to craft your own malware, understanding attacker strategies.



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Initial Compromise

Host Reconnaissance

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2 hours of video content

App Sec



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LEARNING PATH

DevSecOps

Learn how to secure modern software development environments with hands-on learning around secure deployments, CI/CD and automation security.

Modules

5

Hands-on labs

18

Difficulty level

Intermediate

Enroll in path ➞

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Acquire specialization in DevSecOps or broaden your understanding of product security.

- Hands-on CI/CD Pipeline Security
- Introduction to Securing IaC
- Containerisation Security
- Applications of DevSecOps Frameworks



Introduction

TryHackMe's DevSecOps Learning Path focuses on securing pipelines and introducing Infrastructure as Code (IaC) and Containerisation security techniques. You'll learn the tools and practices to ensure robust development processes and secure software deployment workflows. From fortifying pipelines to automating infrastructure management, you will gain practical insights into modern DevSecOps methodologies.

SECTION 1

Secure Software Development



Introduction to DevSecOps



SDLC



SSDLC

SECTION 2

Security Of The Pipeline

TryHackMe

Cloud training

Get hands-on experience with Amazon Web Services (AWS) and Microsoft Azure. Learn how attackers target and exploit cloud environments, and explore the mitigation strategies to prevent security breaches.

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What's included

- ✓ Full access to AWS & Azure learning paths
- ✓ Sandboxed Cloud environments
- ✓ Azure security tooling and KQL
- ✓ Identity and Access Management
- ✓ AWS privilege escalation & security misconfiguration



Defending Azure

Master Azure security with hands-on exercises covering Azure-native security tooling.

Intermediate



Attacking and Defending AWS

Learn how attackers compromise AWS environments.

Intermediate

GitLab University - Free

 GitLab | University All Content Topics Private Training Public Training Certificati

GitLab Security Essentials

In today's software landscape, ensuring application security is critical. This course focuses on using GitLab to integrate security practices into the development lifecycle. By understanding the importance of these practices, exploring GitLab's security and governance features, and learning to effectively implement them, you will be equipped to create and manage secure, high-quality applications that protect end-users and your organization.



Course Details

GitLab University - Free



Learning Objectives

Upon completion of this self-paced course, learners will be able to:

- Describe why security needs to be incorporated into the software development lifecycle and the role GitLab plays in facilitating this process.
- Explain how GitLab's security and governance features are organized, and where they fit in the SDLC.
- Configure and use Static Application Security Testing (SAST) to identify vulnerabilities in source code.
- Implement Secret Detection to identify and prevent accidental expose of sensitive data in the codebase.
- Set up and execute Dynamic Application Security Testing (DAST) to discover and remediate potential vulnerabilities in running applications.
- Use Dependency Scanning to identify and manage vulnerabilities in project dependencies and third-party libraries.
- Configure and perform Container Scanning to detect security vulnerabilities in Docker images and container environments.
- Implement License Compliance to ensure software licenses are properly managed and tracked throughout the development process.
- Execute and interpret Fuzz testing results to identify problems in application code that may be missed by traditional testing methods.

GitLab University - Free



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Real-World Cloud Security Labs

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WEB-300: Advanced Web Attacks and Exploitation

OffSec's Advanced Web Attacks and Exploitation (WEB-300) course dives deep into the latest web application penetration testing methodologies and techniques. Learners gain extensive hands-on experience in a self-paced environment, designed to elevate their skills in ethical hacking, vulnerability discovery, and exploit development.

Successful completion of the online training course and challenging exam earns the OffSec Web Expert (OSWE) certification. This web application security certification validates expertise in advanced web application security testing, including bypassing defenses and crafting custom exploits to address critical vulnerabilities, making certified professionals an asset for securing any organization against web-based threats.



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If you're new to API security, this is the place to start. Learn about the OWASP API Top 10, real-world API breaches and more.

Foundation

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OWASP API Top 10 & Beyond!

Build your API security foundation with a strong understanding of the OWASP API Top 10.

Foundation

Free



Adicionais



Desenvolvimento de Exploits - 32 bits extended

Aprenda do zero ao avançado as técnicas de exploração de vulnerabilidades através de Buffer Overflow em Windows e Linux, como de sobreescriver os dados do registrador EIP, da estrutura de SEH, construção de backdoors em aplicação legítima, ocultação de código malicioso, Egghunter e muito mais.

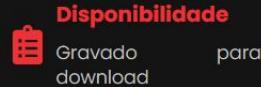
Sobre o treinamento

Habilidades

Requisitos

Versão gravada e ampliada do treinamento de Desenvolvimento de Exploits. Este treinamento é destinado aos profissionais da segurança da informação que desejam aprimorar seus conhecimentos em testes de invasão, conhecendo a fundo o processo de criação e desenvolvimento de Exploit com Buffer Overflow.

Durante o treinamento serão abordados temas avançados de segurança ofensiva como exploração de vulnerabilidades através de Buffer Overflow em Windows e Linux, com algumas das principais técnicas do mercado como de sobreescriver os dados do registrador EIP, da estrutura de SEH, construção de backdoors em aplicação legítima, ocultação de código malicioso, Egghunter, criação



Próximas turmas

Disponibilidade: Imediata

Metodologia: Gravado

Investimento: R\$ 529,00

[Inscrir-se aqui](#)

Programa de estudos

1. Introdução a arquitetura de computadores
2. Introdução a linguagem assembly
3. Principais instruções assembly
4. Introdução ao Buffer Overflow

Considerações Finais