



THE COMBAT OF WEB APPLICATION: HACKER VS DEVELOPER

Our aim is to train Information Technology (IT) professionals with the **right skills and knowledge** to learn about **web application penetration testing, web application vulnerability assessments** and ways to protect against incoming threats in the manner of virtual hands-on training.

Virtual Live Training

You will learn and improve your **Web Application Penetration Testing** skills via Online Training using **Microsoft Teams Meeting**.

Hands-on Training

We will provide all the **necessary tools to download for free** and give you details to prepare one day before the training starts. There is no hidden or additional cost involved.

OWASP Top 10

Learn to protect against The Open Web Application Security Project (**OWASP top 10 web application risks**).

Certificate of Attendance

Get an **e-certificate** of attendance from leading Cybersecurity training provider.

Top Rated Trainer

80% practical hands-on training with a focus on skill development from a top-rated IT security trainer.

100% Fully Claimable

Training is **fully claimable** under HRD Corp. (Human Resource Development Corporation).

be confident your system is in safe hands.



The Combat of Web Application: Hacker vs Developer is one day of live virtual training with an emphasis on 80% practical hands-on training that focuses on developing web penetration testing skills.

In this training, we shall learn the process of web application penetration testing, web application vulnerability assessments and ways to protect against incoming threats in the manner of virtual hands-on training.

It's recommended that participants should have basic programming language and prior experience in managing, developing or testing web applications.

COURSE OUTLINE

Module 1: Introduction to Web Application Penetration Testing

- 1.1 Introduction to Information Security
- 1.2 Penetration Testing and its Necessity
- 1.3 Different Stages of Penetration Testing
- 1.4 Learn to do Penetration Testing
- 1.5 Cyber Law against Hacking
- 1.6 Introduction to OWASP Top 10 Web Application Risks

Module 2: Web Application Architecture & Development

- 2.1 Typical Web Application Architecture
- 2.2 Designing a Sample Webpage
- 2.3 Fundamental Web Application Security

Module 3: HTTP Basics

- 3.1 Introduction to HTTP
- 3.2 HTTP Methods
 - 3.2.1 Safe Methods
 - 3.2.2 Unsafe Methods
- 3.3 HTTP Status Codes
- 3.4 HTTP Security Issues
- 3.5 List of HTTP Security Headers
- 3.6 HTTPS

Module 4: Information Gathering

- 4.1 Passive Information Gathering
 - 4.1.1 Search Engine Reconnaissance
 - 4.1.2 Fingerprint Web Server
- 4.2 Active Information Gathering
 - 4.2.1 Identifying Application Entry Points

Module 5: SQL Injection

- 5.1 Introduction to SQL Injection
- 5.2 Automating SQL Injection
- 5.3 Remediation

Module 6: Cross-Site Scripting (XSS)

- 6.1 Types of XSS
- 6.2 Mitigation

Module 7: Cross-Site Request Forgery (CSRF)

- 7.1 How to test?
- 7.2 Sample X-CSRF Token Implementation
- 7.3 Fixing the Right Way

Module 8: File Inclusion Attacks

- 8.1 Local File Inclusion
- 8.2 Remote File Inclusion
- 8.3 Prevention

Module 9: Mastering Burp Suite

- 9.1 Burp Suite as a Proxy
- 9.2 Community Version vs. Licensed
- 9.3 Components of Burp Suite

Time: 9am to 5pm

Duration: 1 day

Platform: Microsoft Teams Meeting

Who Should Attend

- Web Administrator
- Web/Mobile Application Developer
- Web Application Support
- Application Security Analyst
- Information Technology Professionals
- Web Security Professionals
- Other Business or IT Professionals who are responsible for Web Application Security, Data Protection or tasked with building secure Web Applications.

- ✔ Trained by **award-winning Cybersecurity training provider** with top rated IT security specialist.
- ✔ **80% practical hands-on training** with focus on skill development to successfully learn how to conduct Web Penetration Testing.
- ✔ Get an **e-certificate of attendance** from leading Cybersecurity training provider.
- ✔ Training is 100% **fully claimable** under HRD Corp. (Human Resource Development Corporation).
- ✔ Materials and **technical support provided** - Training guide, supporting materials and training access link.



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