

PHP SECURITY – ATTACKS AND FIXES



Authorized
Training Partner

PHP Security – Attacks and Fixes

Duration: 18 Hours

1 INTRODUCTION

- Welcome
- What you need to know?
- Introduction to web application security

2 SECURITY CONCEPTS AND PRACTICES

- All input is tainted
- Whitelist and Blacklist Filtering
- Filtering the Input
- Escaping the output
- Filtering and Validation
- Register Globals and security vulnerability

3 WEB APPLICATION SECURITY

- Cross-Site Scripting (XSS)
- Cross-Site Request Forgeries(CSRF)
- Spoofed Forms

4 CROSS - SITE SCRIPTING (XSS)

- Introduction to XSS vulnerability
- Understanding XSS Attack
- The solution and Fix for XSS Attack

5 CROSS - SITE REQUEST FORGERIES (CSRF)

- Introduction to CSRF vulnerability
- Understanding CSRF Attack
- The solution and Fix for CSRF Attack



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6 SESSION SECURITY

- Introduction to PHP Sessions
- Understanding Session Vulnerabilities
- Understanding Session Fixation
- Understanding Session Hijacking

7 SESSION FIXATION

- Introduction to Session Fixation vulnerability
- Understanding Session Fixation Attack
- The solution and Fix for Session Fixation Attack

8 SESSION HIJACKING

- Introduction to Session Hijacking vulnerability
- Understanding Session Hijacking Attack
- The solution and Fix for Session Hijacking Attack

9 DATABASE SECURITY

- Introduction to database security
- SQL Injection Attack
- Introduction to PDO

10 SQL INJECTION

- Introduction to SQL Injection vulnerability
- Understanding SQL Injection Attack
- The solution and Fix for SQL Injection Attack



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- 11** **STORING PASSWORDS**
- Introduction to Storing Password vulnerability
 - Understanding Storing Password Attack
 - The solution and Fix for Storing Password Attack

- 12** **BRUTE FORCE ATTACKS**
- Introduction to Brute Force vulnerability
 - Understanding Brute Force Attack
 - The solution and Fix for Brute Force Attack

- 13** **SSL**
- Introduction to SSL vulnerability
 - Understanding SSL Attack
 - The solution and Fix for SSL Attack

- 14** **FILE SYSTEM SECURITY**
- Remote Code Injection
 - Command Line Injection
 - Shared Hosting