Training: Rogue Wave
Building Security into your PHP applications

RogueWave | zend
Training partner

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Digital materials	525 EUR	1 day
Traditional	CTAB Tablet	675 EUR	1 day
Distance learning	Digital materials	525 EUR	1 day
Distance learning	CTAB Tablet	525 EUR	1 day

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

Security is paramount when developing applications for the web. Every year we hear about high profile companies losing sensitive data to intruders, and mainly compromises originate from their web presence. The best way to achieve a truly secure web application is to build that application with security in mind from the start. Join us as we investigate common mistakes and failing in web security, and teach you how to build truly secure web applications from the ground up.

What will I learn:

- After completing this course, you will be prepared to incorporate standard, best practice security measures into your PHP applications. You will be able to identify the most common types of vector attacks and industry experienced vulnerabilities allowing you to monitor and fortify your application code against them.

What will I be able to achieve?

- Building truly secure web applications with confidence and aptitude.
- Ensure that your application and company avoid an embarrassing hack or data breach.
- Be sure that you understand and can mitigate the most common web security failings, and understand why “Security First” is the best possible way to code.

Audience:

- This course is designed for intermediate to experienced PHP application developers who are looking to enhance their skills and be able to learn or implement security best practices. It is also appropriate for intermediate PHP and professional developers who are interested in studying early on how to build security into the applications as part of their learning process.

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70

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CONSPECT:

- CONCEPTS
  - What is Security
  - Defense in Depth
  - Basic Security Rules
  - Building Secure Web Applications Guidelines
  - Open Web Application Security Project (OWASP)
  - Web Application Exploits
  - Risk Management
  - Injection
- ATTACKS
  - SQL Injection
  - XSS Injection
  - Cross-site forgeries (CSRF)
  - Brute Force
  - Broken Authentication and Session Management
  - Insecure Direct Object References
  - Security Misconfiguration
  - Insufficient Cryptographic Storage
  - Missing Function-Level Access Control
  - Using Components with Known Vulnerabilities
  - Invalidated Redirects and Forwards
- PREVENTION
  - Secure Configuration
  - Authentication Techniques
  - Password Cryptography
  - Hermetic Filtering/Validation/Escaping Techniques
  - Handling Asynchronous Web Calls (AJAX)
  - Lock down Database Security
  - Employing Access Controls and Handling Account Lockouts (ACL)
  - White Listing Techniques
  - Using an API Framework (Apigility)
  - Creating a Standard Review Process
  - Captchas, Tokens and Session Managment
  - Cryptographic Storage Techniques

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- Extension Evaluation
- Securing File Uploads
- Logging
- Web Server Security

- RESOURCES
  - Additional Learning Resources
  - Security Standards
  - Penetration Testing
  - Performance Tools

REQUIREMENTS:

Basic to advanced knowledge of PHP 5 is recommended including experience developing PHP 5 applications.

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Rogue Wave Zend.

TRAINER:

Rogue Wave Zend Certified Trainer.

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