OWASP Top 10 2017 Update

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Meet the expert: Robert Hurlbut is a software security architect and trainer. He is a Microsoft MVP for Developer Security / Visual Studio and Development Technologies and he holds the (ISC)2 CSSLP security certification. Robert has 30 years of industry experience in secure coding, software architecture, and software development and has served as a project manager, director of software development, chief software architect, and application security champion for several companies. He speaks at user groups, national and international conferences, and provides training for many clients.

Prerequisites: It would be helpful to have watched the previous OWASP courses as many of the threats still exist: OWASP, Part 1: Avoiding Hacker Tricks - OWASP, Part 2: Forgery and Phishing - OWASP, Part 3: Threats and Session Security - OWASP, Part 4: Misconfiguration and Data Encryption

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Course description: The Open Web Application Security Project focuses on improving the security of software .The OWASP Top 10 is a powerful awareness document for web application security and represents a broad consensus about the most critical security risks to web applications. This course discusses the updates to the Top 10 and how threats have changed.

Course outline:

Objectives and Overview
- Introduction
- About This Course
- Previous Courses
- Related Courses
- Outline
- Summary

History
- Introduction
- OWASP Top 10 2017: History
- OWASP Top 10
- Web Application Security Risks
- Why Revisited
- OWASP Top 10 2017: History
- Summary

Process
- Introduction
- OWASP Top 10 2017: Process
- New Approaches to the OWASP Top 10 2017
- Changes to OWASP Top 10: 2013 to 2017
- Summary

Finding OWASP
- Introduction
- Demo: Finding OWASP
- Demo: OWASP Wiki
- Summary

XML External Entities
- Introduction
- A4: XML External Entities
- Examples
- Remote Code Execution
- Revealing Files
- How to Prevent XXE
- Summary

XXE Demo
- Introduction
- XXE Demo
- Unsafe XDocument
- Java XXE
- Summary

XML XXE DOTNET Demo
- Introduction
- XML XXE Demo
- XML Bomb
- Summary

Insecure Deserialization
- Introduction
- A8: Insecure Deserialization
- Examples
- How to Prevent Insecure Deserialization
- Summary

Insecure Deserialize Demo
- Introduction
- Insecure Deserialize Demo
- Solutions
- Summary

Insufficient Logging and Monitoring
- Introduction
- A10: Insufficient Logging and Monitoring
- Example Attack Scenarios
- How to Prevent
- Summary

The Future of OWASP
- Introduction
- Future OWASP Top 10
- OWASP Top 10: A Starting Place
- Other OWASP Resources
- Summary