

Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120)

Duration: 16.00 hours (2 days)

13.0 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Security experts agree that the least effective approach to security is "penetrate and patch". It is far more effective to "bake" security into an application throughout its lifecycle. After spending significant time examining a poorly designed (from a security perspective) web application, developers are ready to learn how to build secure web applications starting at project inception. The final portion of this course builds on the previously learned mechanics for building defenses by exploring how design and analysis can be used to build stronger applications from the beginning of the software lifecycle. The Secure Web Application Development Overview is geared for web developers and technical stakeholders who need to produce secure web applications, integrating security measures into the development process from requirements to deployment and maintenance. This overview-level course explores core concepts and challenges in web application security, showcasing current, real world examples that illustrate the potential consequences of not following these best practices. This course is also PCI Compliant.

About This Course

Security experts agree that the least effective approach to security is "penetrate and patch". It is far more effective to "bake" security into an application throughout its lifecycle. After spending significant time examining a poorly designed (from a security perspective) web application, developers are ready to learn how to build secure web applications starting at project inception. The final portion of this course builds on the previously learned mechanics for building defenses by exploring how design and analysis can be used to build stronger applications from the beginning of the software lifecycle. The Secure Web Application Development Overview is geared for web developers and technical stakeholders who need to produce secure web applications, integrating security measures into the development process from requirements to deployment and maintenance. This overview-level course explores core concepts and challenges in web application security, showcasing current, real world examples that illustrate the potential consequences of not following these best practices. This course is also PCI Compliant.

Who Should Attend

This is an introductory-level course designed for technical application project stakeholders who wish to get up and running on developing well defended web applications. Real-world programming experience is highly recommended for code reviews.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Students who attend Secure Web Application Development will gain an understanding of how to recognize actual and potential software vulnerabilities, implement defenses for those vulnerabilities, and test those defenses for sufficiency. This course introduces most common security vulnerabilities faced by web applications today. Each vulnerability is examined from a coding perspective through a process of describing the threat and attack mechanisms, recognizing associated vulnerabilities, and, finally, designing, implementing, and testing effective defenses.

Guided by our application security expert, attendees will explore how to:

Ensure that any hacking and bug hunting is performed in a safe and appropriate manner

Identify defect/bug reporting mechanisms within their organizations

Setup and use various tools and techniques to determine a web application's operational environment

Setup and use various tools and techniques to enumerate all aspects of a web application

Setup and use various tools and techniques to scan a web application for vulnerabilities

Work with specific tools for targeted vulnerabilities

Avoid common mistakes that are made in bug hunting and vulnerability testing

Understand the concepts and terminology behind defensive, secure coding including the phases and goals of a typical exploit

Develop an appreciation for the need and value of a multilayered defense in depth

Understand potential sources for untrusted data

Understand the consequences for not properly handling untrusted data such as denial of service, cross-site scripting, and injections

To test web applications with various attack techniques to determine the existence of and effectiveness of layered defenses

Prevent and defend the many potential vulnerabilities associated with untrusted data

Understand the vulnerabilities associated with authentication and authorization

Detect, attack, and implement defenses for authentication and authorization functionality and services

Understand the dangers and mechanisms behind Cross-Site Scripting (XSS) and Injection attacks

Detect, attack, and implement defenses against XSS and Injection attacks

Understand the risks associated with XML processing, file uploads, and server-side interpreters and how to best eliminate or mitigate those risks

Learn the strengths, limitations, and use for tools such as code scanners, dynamic scanners, and web

application firewalls (WAFs)

Additional Course Details

Nexus Humans Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward. This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
 - Traditional Instructor-Led Classroom Training (ILT)
 - On-site delivery at your offices anywhere in United Kingdom
 - Private dedicated courses customized for your team
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Q: How many CPD hours does this course provide?

The 2-day Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120)?

Yes, we provide corporate training, dedicated training, and closed classes for Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Secure Web Applications / Seminar | Covering OWASP Top Ten, Web Services, Rich Interfaces & More (TT8120) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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