

# Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J)

**Duration:** 32.00 hours (4 days)

**26.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

Attacking and Securing Java EE Web Applications is a lab-intensive, hands-on Java EE security training course that provides a unique coverage of Java application security. In this course, students begin with penetration testing, hunting for bugs in Java web applications. They then thoroughly examine best practices for defensively coding web applications, covering all the OWASP Top Ten as well as several additional prominent vulnerabilities (such as file uploads, CSRF and direct object references). Students will repeatedly attack and then defend various assets associated with fully functional web applications and services. This hands-on approach drives home the mechanics of how to secure JEE web applications in the most practical of terms. Students will leave the course armed with the skills required to recognize actual and potential software vulnerabilities and implement defenses for those vulnerabilities. This course begins by developing the skills required to fingerprint a web application and then scan it for vulnerabilities and bugs. Practical labs using current tools and techniques provide students with the experience needed to begin testing their own applications.

## About This Course

Attacking and Securing Java EE Web Applications is a lab-intensive, hands-on Java EE security training course that provides a unique coverage of Java application security. In this course, students begin with penetration testing, hunting for bugs in Java web applications. They then thoroughly examine best practices for defensively coding web applications, covering all the OWASP Top Ten as well as several additional prominent vulnerabilities (such as file uploads, CSRF and direct object references). Students will repeatedly attack and then defend various assets associated with fully functional web applications and services. This hands-on approach drives home the mechanics of how to secure JEE web applications in the most practical of terms. Students will leave the course armed with the skills required to recognize actual and potential software vulnerabilities and implement defenses for those vulnerabilities. This course begins by developing the skills required to fingerprint a web application and then scan it for vulnerabilities and bugs. Practical labs using current tools and techniques provide students with the experience needed to begin testing their own applications.

## Who Should Attend

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This is an intermediate -level programming course, designed for experienced Java developers who wish to get up and running on developing well defended software applications. Familiarity with Java and Java EE is required and real world programming experience is highly recommended. Ideally students should have approximately 6 months to a year of Java and JEE working knowledge.

# Learning Outcomes

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

Working in a dynamic, lab-intensive hands-on coding environment you'll learn to:

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

Identify defect/bug reporting mechanisms within their organizations

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 of 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

Understand techniques and measures that can be used to harden web and application servers as well as other components in your infrastructure

## Additional Course Details

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Nexus Humans Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J) 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 Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J) 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

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## **Q: What delivery options are available for Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J)?**

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 4-day Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J) training?**

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J)?**

Yes, we provide corporate training, dedicated training, and closed classes for Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J). 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.

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## Q: Why choose Nexus Human for Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J)?

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

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## Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Java EE Secure Coding Camp | Attacking & Securing Java / Jakarta JEE Web Applications (TT8320-J) 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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