



JAVA TRAINING

Certified Application Security Engineer Java Training Course

Become a Certified Application Security Engineer in Java. Master secure coding practices to protect applications from cyber threats.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Certified Application Security Engineer Java Training Course offers a focused yet comprehensive introduction to securing Java applications, equipping developers with essential knowledge to build robust and resilient software. In just two hours, participants will delve into the critical aspects of identifying, preventing, and mitigating common security vulnerabilities inherent in Java-based systems. This course emphasizes practical secure coding principles, covering vital topics such as input validation, secure authentication mechanisms, and protecting sensitive data, all within the context of the Java ecosystem. You'll gain insights into the OWASP Top 10 vulnerabilities relevant to Java applications and learn how to apply best practices to safeguard your projects effectively. This training is designed to elevate your security awareness and coding hygiene, making you a more valuable asset in any development team. By understanding the core technologies and common pitfalls, you'll be empowered to contribute to the creation of more trustworthy and secure applications. This skill set is increasingly vital in a world where data breaches and cyberattacks are frequent, making secure development a top priority for organizations globally. This certification provides a strong foundational understanding, preparing you for more advanced roles and responsibilities in application security.

Duration	2 hours
Level	Intermediate
Vendor	Java

COURSE CURRICULUM

01 Module 1: Introduction to Application Security in Java

- Importance of Application Security in Modern Software Development
- Overview of Common Java Application Vulnerabilities (e.g., OWASP Top 10)
- Secure Coding Principles and Best Practices for Java
- Introduction to Java Security APIs and Frameworks

02 Module 2: Implementing Secure Coding Practices in Java

- Input Validation and Output Encoding Techniques
- Secure Authentication and Authorization Mechanisms in Java (basics)
- Secure Session Management Best Practices
- Error Handling and Logging Security Considerations

03 Module 3: Data Protection and Vulnerability Mitigation

- Secure Data Storage (e.g., Password Hashing, Encryption Fundamentals)
- Protecting Sensitive Data in Transit (TLS/HTTPS basics)
- Dependency Management and Third-Party Library Security
- Introduction to Static and Dynamic Application Security Testing (SAST/DAST) Concepts for Java

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Secure Java Developer**
- > **Entry-Level Application Security Analyst (Java Focus)**

> Junior DevSecOps Engineer

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or experience is recommended before taking this 2-hour Certified Application Security Engineer Java Training Course?

To get the most out of this intensive 2-hour course, participants should have intermediate-level proficiency in Java programming. Familiarity with Java development environments, basic web application concepts (if applicable to your projects), and a general understanding of software development lifecycles will be highly beneficial. This course builds on existing Java knowledge to introduce security-specific practices.

Q: How will this specific course help me identify and rectify security vulnerabilities within my existing Java codebases?

This course focuses on practical, common vulnerabilities specific to Java applications. You will learn to recognize patterns associated with Injection flaws, broken authentication, sensitive data exposure, and insecure deserialization within Java code. By understanding these patterns and the taught mitigation techniques, you'll be better equipped to conduct preliminary code reviews on your projects and implement secure coding solutions to address identified weaknesses effectively.

Q: Given its concise 2-hour duration, how does this 'Certified Application Security Engineer Java Training Course' genuinely contribute to my career advancement in application security?

While a 2-hour course provides a targeted introduction, this certification offers a crucial foundational understanding of secure Java development. It serves as an excellent starting point for Java developers aspiring to specialize in security, enhancing your immediate ability to write more resilient code and contributing to a 'security-first' mindset. It signals to employers your commitment to secure coding practices and can be a stepping stone towards more advanced application security roles or further specialized training in areas like DevSecOps or penetration testing for Java.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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