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Java EE and Web Application Security

Learn via: **Classroom**

Duration: **4 Days**

Overview

As a developer, your duty is to write bulletproof code.

What if we told you that despite all of your efforts, the code you have been writing your entire career is full of weaknesses you never knew existed? What if, as you are reading this, hackers were trying to break into your code?

This advanced level course will change the way you look at code. Java EE and Web Application Security training during which we will teach you all of the attackers' tricks and how to mitigate them.

Prerequisites

There are no prerequisites for this course.

Who Should Attend

Java EE developers, software architects and testers.

What You Will Learn

- Understand basic concepts of security, IT security and secure coding
- Learn Web vulnerabilities beyond OWASP Top Ten and know how to avoid them
- Learn about XML security
- Learn client-side vulnerabilities and secure coding practices
- Learn to use various security features of the Java development environment
- Have a practical understanding of cryptography
- Understand security concepts of Web services
- Learn about JSON security
- Understand security solutions of Java EE
- Learn about denial of service attacks and protections
- Learn about typical coding mistakes and how to avoid them
- Get information about some recent vulnerabilities in the Java framework
- Get sources and further readings on secure coding practices

Outline

- IT security and secure coding
- Web application security
- Client-side security
- Foundations of Java security
- Practical cryptography
- Java security services
- Secure communication in Java
- Security of Web services
- Java EE security
- Denial of service
- Common coding errors and vulnerabilities
- Principles of security and secure coding

- Knowledge sources