



SJD-100: Secure Java Development Essentials

Essential security training for Java developers

OffSec provides hands-on training and an industry-recognized certification for professionals looking to build essential skills in secure Java development. This course and its Java-specific OffSec Cyber Core (OSCC-SJD) certification cover fundamental secure coding practices, error handling, input validation, and more, empowering developers to build resilient applications that can withstand common security threats. By applying these techniques, learners enhance their ability to protect software and reduce vulnerability risks.

Perfect for Java developers, DevOps professionals, and cybersecurity teams, the SJD-100 course offers a solid foundation in Java-specific security practices, relevant to software development and security roles. Learners engage in practical labs and exercises, culminating in a 6-hour proctored exam to earn the OffSec Cyber Core (OSCC-SJD) Java certification, demonstrating their readiness to secure Java applications and support robust software development.

Best suited for:

- Java developers at all levels aiming to build secure applications
- DevOps professionals looking to integrate security into CI/CD workflows
- Cybersecurity teams enhancing secure coding awareness for effective collaboration
- Professionals seeking to strengthen organizational security through secure software development practices

Learning Objectives:

- **Develop fundamental secure coding skills:** Understand security essentials for Java, including error handling and session management
- **Build practical security skills:** Gain hands-on experience addressing Java-specific vulnerabilities
- **Apply essential secure coding techniques:** Strengthen code to prevent common security risks and reduce exploitation potential
- **Enhance your development role:** Equip yourself with secure coding practices for Java development positions

9
modules

8
topic areas

6
hour proctored exam

Modules covered in SJD-100:

- Secure Coding Principles
- Error Handling and Logging with Java
- Input Validation with Java
- Output Encoding with Java
- HTTP Cookie Security with Java
- Security Misconfigurations with Java
- Web Session Management with Java
- Using Databases with Java
- Assembling the Pieces: Java Security Essentials



Earn the industry-recognized OffSec Cyber Core (OSCC-SJD) Java certification

Validate your secure Java coding skills with the OffSec Cyber Core (OSCC) Java certification, a credential from OffSec, the leader in hands-on cybersecurity training. This certification for SJD-100:

- Demonstrates proficiency in essential Java secure coding techniques, proven through rigorous hands-on labs and a proctored 6-hour exam
- Confirms readiness for roles requiring secure Java development, reducing the risk of common vulnerabilities
- Enhances your professional profile with a respected certification from OffSec, trusted worldwide for developing cybersecurity expertise

Why choose OffSec?



Proven learning methodology

Cultivate a curious mindset necessary for success in secure development from the outset



Hands-on experience

Labs and exercises provide you with the real-world practice necessary for success in a secure development role



Industry recognition

OffSec certifications are recognized industry-wide by hiring managers



Supportive community

Connect with fellow learners and mentors for guidance and encouragement



Strengthen java coding skills with essential security practices

Start developing fundamental secure coding practices with OffSec's SJD-100: Secure Java Development Essentials

offsec.com/SJD-100

FAQ

Syllabus

- Secure Coding Principles
- Error Handling and Logging with Java
- Input Validation with Java
- Output Encoding with Java
- HTTP Cookie Security with Java
- Security Misconfigurations with Java
- Web Session Management with Java
- Using Databases with Java
- Assembling the Pieces: Java Security Essentials (capstone module)

Who should take SJD-100?

This course is ideal for Java developers seeking to code more securely, DevOps professionals, and cybersecurity teams looking to build or enhance secure coding practices.

What skills will I gain?

You'll develop essential secure coding skills, including error handling, input validation, session management, and more. These techniques are specifically tailored for Java, preparing you to create more resilient and secure applications.

Do I need any prerequisites?

Professionals with working knowledge of Java and foundational understanding of web technologies (HTML, JavaScript, CSS, SQL) and web application architectures, including HTTP and web services.

How long is the course and what is the format?

The course is self-paced and can typically be completed within a few weeks to a few months. It includes text and video lessons, hands-on labs, and assessments.