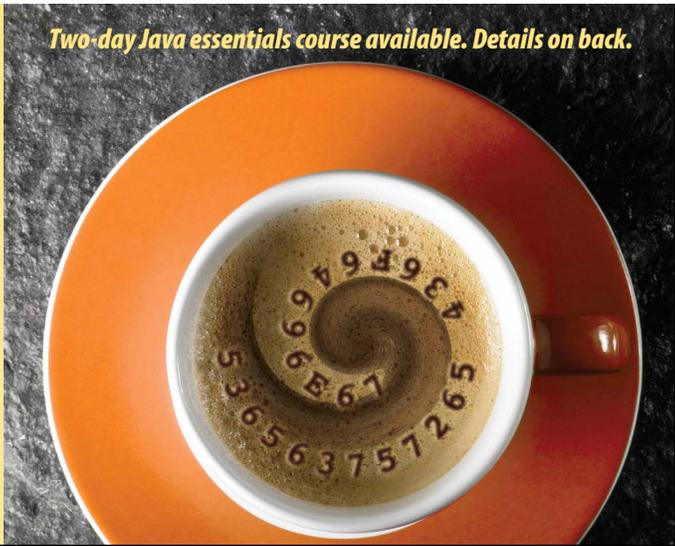


Two-day Java essentials course available. Details on back.



# DEV541: Secure Coding in Java/JEE: Developing Defensible Applications

Course Length: Four Days • 24 CPE Credits  
Laptop Required

**DEV541: Secure Coding in Java/JEE: Developing Defensible Applications** is a comprehensive course covering a huge set of skills and knowledge; it's not a high-level theory course. It's about real programming. In this course you will examine actual code, work with real tools, build applications, and gain confidence in the resources you need for the journey to improving security of Java applications.

**Learn how to code securely in Java to prevent application layer attacks – most courses simply talk about the threats – we'll teach you to avoid them**

Rather than learning how to use a set of tools, you'll learn concepts of secure programming by looking at a specific piece of code, identifying a security flaw, and implementing a fix for the flaw.

For more information visit: [www.sans.org/security-training/secure-coding-in-java-jee-developing-defensible-applications-912-mid](http://www.sans.org/security-training/secure-coding-in-java-jee-developing-defensible-applications-912-mid)

## What You Will Learn

- How to ensure input from interfaces are properly processed and validated.
- An understanding of authentication and session management while mastering authentication principals
- Active enforcement of access control to guarantee the confidentiality of user data
- Security Implications of built-in data types and java-specific memory management
- How to properly handle application faults
- Structuring of multi-threaded programs securely
- How to make connections with other applications securely
- Ways to use JAR Sealing and J2EE Filters effectively

## Who Should Attend

- Developers who want to build more secure applications
- Java EE programmers
- Software engineers
- Software architects
- Application security auditors
- Technical project managers
- Senior software QA specialists
- Penetration testers who want a deeper understanding of target applications or who want to provide more detailed vulnerability remediation options

## Prerequisites

Students should have at least one year's experience working with the JEE framework and should have thorough knowledge of Java language and Web technology.

## Looking for a great software development resource?

**SANS Software Security Institute Web site** ([www.sans-ssi.org](http://www.sans-ssi.org)) is a community-focused site offering AppSec professionals a one-stop resource to learn, discuss, and share current developments in the field. It also provides information regarding SANS AppSec training, GIAC certification, and upcoming events. New content is added regularly, so please visit often. And don't forget to share this information with your fellow application security, developer, and IT security professionals.

## DEVELOPER CURRICULUM

**DEV320**  
Introduction to the  
Microsoft Security  
Development Lifecycle



**DEV422**  
Defending Web  
Applications Security  
Essentials



**DEV530**  
Essential Secure  
Coding in  
Java/JEE

**DEV536**  
Secure  
Coding for PCI  
Compliance

**DEV541**  
Secure Coding  
in Java/JEE:  
Developing  
Defensible Apps  
*GSSP-JAVA*

**DEV544**  
Secure Coding  
in .NET  
Developing  
Defensible Apps  
*GSSP-NET*

**DEV542**  
Web App  
Penetration  
Testing and  
Ethical Hacking  
*GWAPT*

**DEV545**  
Secure Coding  
in PHP  
Developing  
Defensible Apps

**DEV534**  
Secure Code  
Review for  
Java Web Apps



[www.sans.org](http://www.sans.org)

For more information, visit [www.sans-ssi.org](http://www.sans-ssi.org)

When registering, use this promo code **DEV541**

# DEV530: Essential Secure Coding in Java/JEE

Course Length: Two Days • 12 CPE Credits  
Laptop Required

**DEV530: Essential Secure Coding in JAVA/JEE** This course covers the essential Java/JEE topics. These are skills and information that are critical to all Java Web application developers interested in building security into their applications. It's not a high-level theory course. It's about real programming. In this course, you will examine actual code, work with real tools, build applications, and gain confidence in the resources you need for the journey to improving the security of your Java applications. This two-day course distills the most critical information from the longer DEV541 – four-day course. It was developed to help time-strapped developer teams get the essential training in a short amount of time on site at their own facility.

Rather than teaching students to use a set of tools, we're teaching students concepts of secure programming. This involves looking at a specific piece of code, identifying a security flaw, and implementing a fix for that flaw. The course is full of hands on exercises where you can apply practical techniques that you can use to prevent common attacks.

## Who Should Attend

- Developers who want to build more secure applications
- Java EE programmers
- Software engineers
- Software architects
- Application security auditors
- Technical project managers
- Senior software QA specialists
- Penetration testers who want a deeper understanding of target applications or who want to provide more detailed vulnerability remediation options

## Prerequisites

Students should have at least one year's experience working with the JEE framework and should have thorough knowledge of Java language and Web technology.

## Looking for a great software development resource?

**SANS Software Security Institute Web site** ([www.sans-ssi.org](http://www.sans-ssi.org)) is a community-focused site offering AppSec professionals a one-stop resource to learn, discuss, and share current developments in the field. It also provides information regarding SANS AppSec training, GIAC certification, and upcoming events. New content is added regularly, so please visit often. And don't forget to share this information with your fellow application security, developer, and IT security professionals.



## GIAC Secure Software Programmer - JAVA (GSSP-JAVA)

The GIAC Secure Software Programmers certification allows candidates to demonstrate mastery of the security knowledge and skills needed to deal with common programming errors that lead to most security problems.

GIAC Certified secure software programmers (GSSP) have the knowledge, skills, and abilities to write secure code and recognize security shortcomings in existing code.

## Four Reasons to Get GIAC Certified:

- GIAC certification identifies those system and network administrators, security professionals, and software developers who know the tasks required to protect systems, networks, and code and who have the skills necessary to perform those tasks.
- 81% of hiring managers consider certifications a factor in their hiring decisions.
- 41% of InfoSec professionals say their organizations use certifications as a factor when determining salary increases.
- There is a strong demand for qualified information security professionals and GIAC certification proves you have the skills for the job.

**Learn more about GIAC at  
[www.giac.org](http://www.giac.org).**



[www.sans.org](http://www.sans.org)

**For more information, visit [www.sans-ssi.org](http://www.sans-ssi.org)**

When registering, use this promo code **DEV530**