

## Trivera Technologies Best Defense™ Security Training Series



### **BEST DEFENSE** IT SECURITY TRAINING SERIES

*According to research by the National Institute of Standards, 92% of all security vulnerabilities are now considered application vulnerabilities and not network vulnerabilities.*

Trivera Technologies **Best Defense™ Security Training Series** courses, seminars and workshops are essential for technical stakeholders, project managers and developers who need to produce, manage, develop and maintain secure application. Our comprehensive courses enforce industry the most sound processes and best practices to apply to the entire software development lifecycle. Our Best Defense courses are short on theory and long on application.

All courses are fully customizable, may be offered in several programming languages or environments, and may be delivered live onsite at your location, or even right over the web. We look forward to helping your firm achieve its security education goals.



### **TT8000: Understanding Application Security Seminar ( 1 day)**

**Understanding Application Security** is an essential course for technical leads, project managers, testing/QA personnel and other stakeholders who need to understand the issues and concepts associated with secure applications. During this one-day dynamic seminar, students learn the best practices for designing, implementing, and deploying secure applications. A key component to our Best Defense Security Training Series, this workshop is a companion course with several developer-oriented courses and seminars. Although this edition of the course is language-agnostic, it may also be presented using Java, .Net or other programming languages or environments.

**Duration:** 1 Day  
**Skill Level:** Introductory  
**Focus:** Applications  
**Audience:** Technical managers & stake holders  
**Format:** Expert lecture combined with open discussions and high-Level demonstrations  
**Language / Tools:** This edition is Language Neutral, although we can easily present this in a Java, .Net or other programming language formats.  
**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation  
**Customizable:** Yes



### **TT8020: Understanding Web Application Security Seminar (1 day)**

**Understanding Web Application Security** is essential for technical leads, project managers, testing/QA personnel and other stakeholders who need to understand the issues and concepts associated with secure web applications. Students will leave this course armed with an understanding of software vulnerabilities, defenses for those vulnerabilities, and testing those defenses for sufficiency. This course quickly introduces the most common security vulnerabilities faced by web applications today. Each vulnerability is examined through a process of describing the threat and attack mechanisms, the associated vulnerabilities, and, finally, designing, implementing, and testing effective defenses. In many cases, there are demonstrations that reinforce these concepts with real vulnerabilities, attacks, and defenses.

**Duration:** 1 day  
**Skill Level:** introductory  
**Focus:** Web Applications  
**Audience:** Application Developers & Stakeholders  
**Format:** Expert lecture combined with open discussions and high-Level demonstrations  
**Language / Tools:** This edition is Language Neutral, although we can easily present this in a Java, .Net or other programming language formats.  
**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation  
**Customizable:** Yes



### TT8100: Secure Application Development Seminar (2 days)

Students who attend the **Secure Application Development Seminar** will leave the course armed with the required skills to recognize software vulnerabilities (actual and potential) and implement defenses for those vulnerabilities. This course instructs the best practices for designing, implementing, and deploying secure programs. Students will take an application from requirements through to implementation, analyzing and testing for software vulnerabilities. Security experts agree that the least effective approach to security is "penetrate and patch". It is far more effective to "bake" security into an application throughout its lifecycle. The course builds on the previously learned mechanics for building defenses by exploring how design and analysis can be used to build stronger applications from the beginning of the software lifecycle.

**Duration:** 2 days

**Skill Level:** intermediate

**Focus:** Applications

**Audience:** Application Developers & Stakeholders

**Format:** Expert lecture combined with open discussions and high-Level demonstrations

**Language / Tools:** This edition is Language Neutral, although we can easily present this in a Java, .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes



### TT8120: Secure Web Application Development Seminar (2 days)

**Secure Web Application Development** examines best practices for defensively coding web applications including XML and Web Services. Finally, a set security patterns are examined with a lab that applies a security pattern in defending against an actual complex web attack. Security experts agree that the least effective approach to security is "penetrate and patch". It is far more effective to "bake" security into an application throughout its lifecycle. The final portion of this course builds on the previously learned mechanics for building defenses by exploring how design and analysis can be used to build stronger applications from the beginning of the software lifecycle.

**Duration:** 2 days

**Skill Level:** intermediate/advanced

**Focus:** Web Applications

**Audience:** Application Developers & Stakeholders

**Format:** Expert lecture combined with open discussions and high-Level demonstrations

**Language / Tools:** This edition is Language Neutral, although we can easily present this in a Java, .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes



### TT8150: Mastering SOA Security Seminar (2 days)

**Mastering SOA Security** is a comprehensive workshop that will lay a solid groundwork for analysts, architects, and developers that are working in Service-Oriented Architectures (SOA) and the infrastructures supporting them. Throughout the course, students learn the best practices for designing, implementing, and deploying services within a secure infrastructure

**Duration:** 2 days

**Skill Level:** Introductory +

**Focus:** SOA Applications

**Audience:** SOA Application Developers & Stakeholders

**Format:** Expert lecture combined with open discussions and high-Level demonstrations

**Language / Tools:** This edition is Language Neutral, although we can easily present this in a Java, .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes


**TT8200-J: Secure Java Coding (3 days)** (\*also offered for .Net and other languages)

According to research by the National Institute of Standards, 92% of all security vulnerabilities are now considered application vulnerabilities and not network vulnerabilities. **Secure Java Coding** is an intense hands-on workshop essential for developers who need to produce secure Java applications, integrating security measures into the development process from requirements to deployment and maintenance. Throughout the course, students learn the best practices for designing, implementing, and deploying secure programs in Java. Students will take an application from requirements through to implementation, analyzing and testing for software vulnerabilities. Security experts agree that the least effective approach to security is "penetrate and patch". It is far more effective to "bake" security into an application throughout its lifecycle. The final portion of this course builds on the previously learned mechanics for building defenses by exploring how design and analysis can be used to build stronger applications from the beginning of the software lifecycle.

**Duration:** 3 days

**Skill Level:** Intermediate+

**Focus:** Java Applications

**Audience:** Java Application Developers & Stakeholders

**Hands-On Format:** Expert lecture combined with In-depth hands-on programming labs (50/50 ratio)

**Language / Tools:** This edition is Java specific, although we can easily present this in .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes


**TT8205-J: Secure Java Coding – Lifecycle (4 days)** (\*also offered for .Net and other languages)

Geared for intermediate-level Java developers, this course extends the TT8200-J Secure Java Coding course with an additional day of Software Development Lifecycle and Security Testing topics.

**Duration:** 4 days

**Skill Level:** Intermediate+

**Focus:** Java Applications

**Audience:** Java Application Developers & Stakeholders

**Hands-On Format:** Expert lecture combined with In-depth hands-on programming labs (50/50 ratio)

**Language / Tools:** This edition is Java specific, although we can easily present this in .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes


**TT8320-J: Securing J2EE Web Applications (3 days)** (\*also offered for .Net and other languages)

Students who attend **Securing J2EE Web Applications** will leave the course armed with the skills required to recognize actual and potential software vulnerabilities, implement defenses for those vulnerabilities, and test those defenses for sufficiency. This course quickly introduces developers to the most common security vulnerabilities faced by web applications today and examines them from a Java/J2EE perspective through a process of describing the threat and attack mechanisms, recognizing associated vulnerabilities, and, finally, designing, implementing, and testing effective defenses. Students are then challenged to design and implement the layered defenses they will need in defending their own applications.

**Duration:** 3 days

**Skill Level:** Intermediate+

**Focus:** J2EE Applications

**Audience:** J2EE Application Developers & Stakeholders

**Hands-On Format:** Expert lecture combined with In-depth hands-on programming labs (50/50 ratio)

**Language / Tools:** This edition is Java specific, although we can easily present this in .Net or other programming language formats.

**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation

**Customizable:** Yes


**TT8325-J: Securing J2EE Web Applications – Lifecycle (4 days)** (\*also offered for .Net and other languages)

Geared for intermediate-level Java developers, this course extends the TT8320-J Securing J2EE Web Applications course with an additional day of Software Development Lifecycle and Security Testing topics.

**Duration:** 4 days  
**Skill Level:** Intermediate+  
**Focus:** Java Applications  
**Audience:** Java Application Developers & Stakeholders  
**Hands-On Format:** Expert lecture combined with In-depth hands-on programming labs (50/50 ratio)  
**Language / Tools:** This edition is Java specific, although we can easily present this in .Net or other programming language formats.  
**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation  
**Customizable:** Yes


**TT8500-J: Securing J2EE Web Services (4 days)** (\*also offered for .Net and other languages)

Students who attend *Securing J2EE Web Services* will leave the course armed with the skills required to recognize actual and potential software vulnerabilities, implement defenses for those vulnerabilities, and test those defenses for sufficiency. This course quickly introduces developers to the most common security vulnerabilities faced by web services today. This intense coding class is essential for experienced developers who need to produce secure J2EE-based web services. Throughout the course, students learn the best practices for designing, implementing, and deploying secure web services using J2EE. This course is short on theory and long on application.

**Duration:** 4 days  
**Focus:** J2EE / JavaEE Web Services  
**Targeted Audience:** J2EE / JavaEE Developers  
**Course Format:** Extensive Hands-On Programming Labs; Expert lecture combined with open discussions and high-Level Demonstrations  
**Language / Tools:** This course has a JavaEE / J2EE focus, but may also be presented for .Net or other programming languages.  
**Delivery Format:** Available for onsite private classroom presentation, or live online / virtual presentation  
**Customizable:** Yes

**► For Additional Information**

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