SOURCEFLAKE - SECURE CODING TRAINING

1. TARGET AUDIENCE & GROUND SCOPE

✓ The target audience of secure coding training is developers and development-aware analysts.

✓ The training contains and details security vulnerabilities of web connected applications.

✓ The training not only lists the vulnerabilities but also includes practical mitigation techniques as well.

✓ The training is delivered as two separate sessions specialized for JEE and .NET technologies.

2. TRAINING CONTENT

✓ Why do we write insecure code? An analysis with the participants.

✓ What are the professional backgrounds of participants as well as their expectations of the training?

✓ What are the secure input validation strategies and how these strategies should be implemented? (XSS, SQLi, LDAPi, XXE, etc.)

✓ What are the mistakes realized during authentication and what are the basic precautions?

✓ How should session management vulnerabilities be prevented?

✓ What are the root causes of Directory Traversal, Mass Assignment, IDOR? How to prevent?

✓ What are the secure design principles that should be applied when designing software?

✓ Why threat modeling is important and how can the threat modeling game help for secure software?

✓ What are the critical mistakes made when using cryptography?

✓ Which strategies should be pursued when doing exception handling and logging?

✓ What are the principles of static code analysis and how security code review should be employed?

✓ How do HTML5 technologies should be used securely? (CORS, CM Messaging, Local/Session Storage, etc.)

3. TRAINING DEMOs

✓ Specifically devised demo applications are used through-out the training.

✓ Training demos, such as LOTI, are used where participants can internalize what has been presented.

✓ JSP/Servlet, JSF, Spring technologies are utilized during JEE training session.

✓ ASP.NET Web Forms and ASP.NET MVC technologies are utilized during .NET training session.

✓ JEE demos are implemented in NetBeans IDE and .NET demos are in MS Visual Studio.

4. POST TRAINING

✓ At the end of the training participants have a 30 multiple choice online exam with analysis.

✓ After the training participants are given FULL access to guvenlikod.com content.

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