

Secure ABAP Programming 2009

How to protect your SAP Code

September 2009

Motivation

"The most damaging targeted attacks - those against specific businesses - have focused on vulnerabilities in Web applications and custom-developed software." (Gartner report)

Description

Like any other programming language, ABAP code can contain weaknesses that lead to severe business risks. Therefore, the goal of our unique training course is explaining the vulnerabilities, providing hands-on examples and teaching best coding practices for developing secure ABAP. In our 2-day course you will team up as a group of virtual investigators: the Cyber-Criminal Investigatory Services (CCIS).

The CCIS team interactively examines several incidents in order to understand what happened, reproducing the attack, identifying the dangerous code, determining root causes of the issue and elaborating a solution. In eleven lessons, the following weaknesses are covered:

- ABAP Command Injection
- Authority Checks
- Backdoors
- Generic Function Calls
- OS Command Injection
- SQL Injection
- Directory Traversal
- Cross Site Scripting (XSS)
- Cross Site Request Forgery (XSRF)
- Forceful Browsing
- Phishing



The course is based on insights gained from a thorough analysis of more than 40.000 bugs that Virtual Forge discovered in SAP-related software security assessments during the past 6 years.

Details

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Type</i> | Classroom Training / Hands-On Workshop |
| <i>Duration</i> | 2 days |
| <i>Target Audience</i> | Developers, Testers, Project Managers |
| <i>Max. Participants</i> | 10 |
| <i>Required Knowledge</i> | Technical Background (basic ABAP knowledge) |
| <i>Recomm. Knowledge</i> | Basic security knowledge |
| <i>Learning Goals</i> | <ul style="list-style-type: none">• Understand the business impact of attacks against SAP applications• Learn how hackers think and apply defensive thinking to your applications• Apply Best Practices to develop secure ABAP applications and mitigate risks• Learn how to avoid the most common security vulnerabilities |
| <i>Options</i> | Course can be held at Virtual Forge headquarters or onsite at customer location |

