Time and place

When?  Tuesday, 14:00 - 15:30
Where?  01.05.013
Contents

- Injection vulnerabilities
- XSS, CSRF, sandbox escaping
- Include attacks
- Cryptographic attacks
- Upload attacks
- Configuration vulnerabilities
- Advanced bugs
Registration

- **NO** letter of motivation
- You’ll have to **solve a small challenge** to register
- Registration using the **matching system**
- **DON’T** register without solving the challenge
- We’ll not enroll students that haven’t solved the challenge
- **14** slots
Challenge

- Visit challenge.sec.in.tum.de
- Solve the challenge
- Upon solving you’ll receive...
  - Two ”mail addresses”
  - A password in the form of "websecCourse{sentence}"
  - Further instructions
- If you don’t see a password in the form of "websecCourse..." you’re not done yet!
- Submit till **08.02.2016, 23:59**
- Up to the **first 14** solver will get a fixed place
Why is there a challenge?

- **Option 1: You’re already a ”l33t” hacker**
  Great, you’ll only need 1h to solve the challenge and won’t have a problem with the course.

- **Option 2: You are a beginner but determined**
  You’ll probably take some time to solve the challenge, but this will give you a good first impression how much time you’ll have to invest in the course.

- **Option 3: You can’t solve the challenge**
  If you can’t invest the time to learn the basic skills needed for this challenge then this course is not for you. The typical tasks in the course are a good bit harder then this one.
Process

Phase I (~10 weeks):
  ▶ “Usual” practical course (weekly meetings and exercise sheets)

Phase II (~4 weeks):
  ▶ Final project (short paper and presentation)
Process — Phase I

- Eight or nine weeks: Introduction to a new topic
- Last week(s): A look at real life scenarios (IF there is time)
- Weekly exercise sheets
  - Submission of solutions until the following week before the meeting
  - Private demonstration and short explanation of solution during the meeting
Final project

- Development of a vulnerable application
- Creation of an exploit (ab)using the vulnerability/ies
- Short paper
- Presentation
- Details follow when the time has come