Introduction to Laboratory Assignments

Computer Security Course
EDA263 / DIT641

Chalmers University of Technology

January 15, 2018

Introduction

Four laboratory assignments to

- treat some practical aspects of computer security
- practice written and oral presentation

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Topics

1. Identification and Authentication in Operating Systems (C Programming)
2. E-Mail Security using Gnu Privacy Guard
3. Vulnerability Scanning with OpenVAS
4. SQL Injection

Laboratory Sessions

During CW 2–6 (some exceptions, see Schedule in PingPong):

- Monday morning (8:15–12:00)
- Tuesday afternoon (13:15–17:00)
- Wednesday afternoon (13:15–17:00)
- Thursday evening (17:15–21:00)

Remote access using SSH is possible for some of the assignments outside these session hours.
(More Info in PingPong - `pingpong.chalmers.se`)

Groups and Rooms

Laboratory Groups

- **two** students per group
- group assignment in PingPong
- each group signs up for one session per week
  - on-line booking - `https://goo.gl/3suubt`

Laboratory Rooms

- room 4220 and 4225, south wing in EDIT building

Reporting and Deadlines

Overall, the reporting requires:

1. Demonstration of your solution together with a (short) written report with answers to questions. (**PingPong**)
2. Answers to questions submitted by email (encrypted and signed). (**E-Mail**)
3. A (formal) written report. (**PingPong**)
   - each report will be peer-reviewed by at least two other groups before submission
   - each group will peer-review two other reports
   - each report will only be considered for correction twice, i.e., **only one resubmission!**
4. **Oral reporting** during the laboratory session.

Deadlines

Assignment	Course Week	Deadline (Demo)	Deadline (Report)
1	2,3	Thu Feb 01 (demo)	Sun Feb 04
2	3,4		Fri Feb 16
3	3,4,5,6		Initial report submission: 18/02
3	3,4,5,6		Peer review submission: 25/02
3	3,4,5,6		Final report submission: 04/03 (cw 7)[a]
4	5,6	Thur Feb 22 (oral report)	—

[a]For correction before exam.