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Classical Internet Applications

Introduction

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(version 1.12, 2012/09/03 13:37:00)

Tuesday, September 4, 2012

Organisation

Global structure
Lectures
Lab exercises
Logs
Casus or site visit

Examination

Book

Organisation

- ▶ Information available on the OS3/CIA website/Wiki
 - ▶ <https://www.os3.nl/2012-2013/courses/cia/start>
- ▶ Lectures
- ▶ Lab exercises with a wiki based log
- ▶ Casus or site visit (tentative)

Lectures

- ▶ Period: six weeks
 - ▶ September 4 - October 12, 2011
 - ▶ Tuesday, 10:15-12:00 hours
 - ▶ Friday, 10:15-12:00 hours
- ▶ Location: SNE Lab, B1.23
- ▶ Attention
 - ▶ Possible CIA overflow lectures on Tuesday and Friday, October 16 and 19

Lab exercises

- ▶ Inside SNE Labs, Tuesday and Friday, 13:00-17:00 hours
- ▶ Exercises are deliberately specified somewhat incompletely
- ▶ Exercises have to be presented individually...
 - ▶ ...but cooperation is allowed
- ▶ Exercises might continue into week 7 (October 15-19)

Casus or site visit

- ▶ Possible visit of UvA/IC
- ▶ Not decided yet

Logs

- ▶ Should be maintained (for each <user>) at the URL
 - ▶ <https://www.os3.nl/2012-2013/students/<user>/cia>
- ▶ Lab exercises have to be graded as sufficient
 - ▶ Assistance and judgement by Toto van Inge and Cosmin Dumitru
 - ▶ Log specifies *activities* and *results* of lab exercises!
 - ▶ Answer *all* questions posed!
 - ▶ *Elaborate* (no one-liners)!
 - ▶ *Explain* encountered problems and solutions!
 - ▶ *Plagiarism* Limit copying and give proper sources

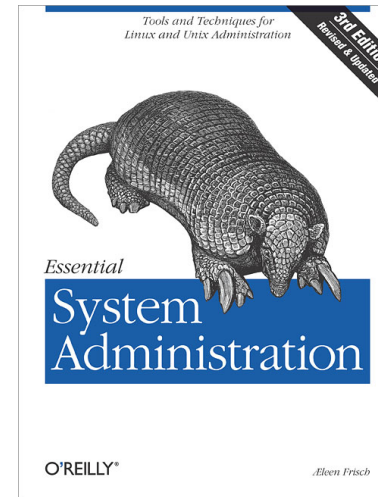
Grading

- ▶ Lab exercises have to be graded as “sufficient” before the results of the written examination will become valid
 - ▶ Judgement is based on logs that have to be published via the student Wiki
 - ▶ Toto and Cosmin are grading the lab exercise reports as “sufficient” or “not sufficient”
- ▶ The final grading is only determined by the written exam
 - ▶ Examination week: October 22-26
 - ▶ CIA exam will be on Wednesday, October 24, 10:30-13:00 hours
- ▶ Learning material
 - ▶ Slides from the lectures
 - ▶ Material that can reasonably be expected to be known from the lab exercises, the casus or site visits or the literature

Topics

- ▶ 4/9 Intro and History (Jaap) - 7/9 DNS (Niels)
- ▶ 11/9 DNS/Deflating (Jeroen) - 14/9 DNS/DNSSEC (Niels)
- ▶ 18/9 DNSSEC (Niels) - 21/9 DNSSEC (Labs)
- ▶ 25/9 Email (Jeroen) - 28/9 Email architecture (Jeroen)
- ▶ 2/10 Disks/Booting (Jaap) - 5/10 Disks/Protocols (Jaap/Jeroen)
- ▶ 9/10 Web (Niels) - 12/10 Directories (Jaap)

Book



- ▶ Essential System Administration, Third Edition
- ▶ Eleen Frisch
- ▶ Print ISBN: 978-0-596-00343-2, ISBN 10: 0-596-00343-9
- ▶ Ebook ISBN: 978-0-596-10328-6, ISBN 10: 0-596-10328-X
- ▶ The book is optional, a bit dated (2002), but still useful for the concepts introduced