Network Security General information about this course

Radboud University Nijmegen, The Netherlands



Autumn 2014

About this course

- Lecture (hoorcollege): Monday, 10:30–12:30 in HG00.307
- Exercise class (werkcollege): Thursday, 13:30–15:30 in HFML0220 (this may change!)
- Exam on November 3, 12:30–15:30 in LIN 5
- Exam grade is your final grade for this course
- 3 EC points
- Website: http://cryptojedi.org/peter/teaching/ network-security-2014.shtml
- Language of the lectures: English (yeah, sorry!)

Teachers

Peter Schwabe Office: Mercator I, 1.03 peter@cryptojedi.org Pol Van Aubel Office: Mercator I, 2.14 radboud@polvanaubel.com

Ko Stoffelen kostoffelen@student.ru.nl

Homework

- Homework assignments will be online (at the latest) thursday morning
- Homework assignments are due Thursday (one week later) by midnight (sharp!)
- Homework submission through Blackboard
- Homework submission in groups of 2 (preferably)
- Grading of homework in zg, g, v, o, and NSI
- Grading has no effect on final grade, but:

More than one NSI and you're not admitted to the exam!

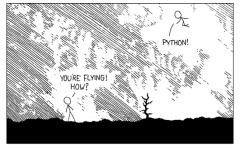
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- Idea: Use your own (Linux) laptop
- Small wireless network set up in Mercator I
- Mercator I has restricted opening times: 8:00–18:00, Mon–Fri

Programming for homework





Source: http://xkcd.com/353

Python

- Network programming in Python
- Primary target is to get stuff done
- Python is a script language (interpreted language, no compiler)
- Python is easy
- Python has many things built-in
- You can use other languages (but we don't recommend it)

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- Probably not ideal...
- Maybe this changes in the future
- Feedback from you will be helpful

Examples of what you will learn

- How to break into (badly protected) WiFi networks
- How to read others people's e-mails
- How to set up firewalls (and circumvent them)
- How to get free WiFi in various places
- How to DOS other computers
- How to be anonymous on the Internet

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- You're grown up, use your skills responsibly
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- ▶ In this course (homework), don't break more stuff than necessary
- The (vulnerable) toy network is needed for everybody