

OS Course Working Group

EuroBSDcon DevSummit
Warsaw, Poland

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October 18, 2012

Brief introductions

- Are you currently teaching any university courses?
- Would you like to create a course and/or materials, provide content?
- What would you like to talk about in this session?

Outline

① Basic idea

② Discussion

Basic idea

- discuss teaching undergraduate- and graduate-level operating system courses using FreeBSD
- Several members of the academic community already teach such courses
 - others would like to create them
 - more generally encourage the teaching of OS courses using FreeBSD
- Industrial consumers of FreeBSD would love to see more graduating students with a background in operating systems, especially FreeBSD
- Current students involved in teaching and research, Google Summer of Code, etc.

Goals

Bring these groups together to identify goals, requirements, methodology, and resources to work towards a common teaching platform that might allow coursework to be shared across universities and lecturers.

We are also interested in alternative outlets for this material. For example, a YouTube lecture series on operating systems and teaching exercises useful outside of a traditional university context.

Action items identified at first OS Course session

- find existing materials (doc people, master students can help in prepping material): Kirk, Ken, Backman
- create a repo e.g. freebsd.org/teaching that credits content creators
- VM generation tools (multiple VMs using templates), nested VM support
- develop teaching plans, homework assignments, reading lists, how to structure the course (e.g. template for 1 week course, semester course, etc.)
- generate ebook and CD from selected modules (ideal for e-learning)
- gather contacts, arrange guest lectures (in person and by video)
- record sample lectures on Youtube channel
- make modules easily translatable
- identify universities to partner in initiative e.g. Darmstadt (bcr)
- recognize younger generation's learning style, show course's relevance to industry

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Discussion

Put your notes into the following Etherpad:

<http://openetherpad.org/vVJfQDaXRv>