Linux Fundamentals

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Course objectives

1. gain familiarity with Unix systems
2. find out about useful tools and technique
3. find out how to find out about useful ...

Learning sessions

1. one-off lecture (now)
2. videos on youtube (via moodle)
3. self-study labs (x3, 12–1, Tue–Thu)
4. labs with tutors (x4, 2–3, Mon-Thu)

Linux is everywhere

From supercomputers to smartphones, from internet routers to Raspberry Pi

Linux is developed everywhere

Linux started as a one-person student project

From: torvalds@klaava.Helsinki.FI (Linus Benedict Torvalds) Newsgroups: comp.os.minix Subject: What would you like to see most in minix? Summary: small poll for my new operating system Date: 25 Aug 91 20:57:08 GMT Organization: University of Helsinki

Hello everybody out there using minix

Im doing a (free) operating system (just a hobby, wont be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. Id like any feedback on things people like/dislike in minix, as my OS resembles it somewhat (same physical layout of the file-system (due to practical reasons) among other things).

Ive currently ported bash(1.08) and gcc(1.40), and things seem to work. This implies that Ill get something practical within a few months, and Id like to know what features most people would want. Any suggestions are welcome, but I wont promise Ill implement them :-)

Linus

PS. Yes its free of any minix code, and it has a multi-threaded fs. It is NOT protable (uses 386 task switching etc), and it probably never will support anything other than AT-harddisks, as thats all I have :-(.

Useful info

- login with your student id and last 8 digits of library barcode
- yell at me if you can't login
- fire up a terminal session — `gnome-terminal` or similar
- access SoCS Linux remotely via server sibu.dcs.gla.ac.uk