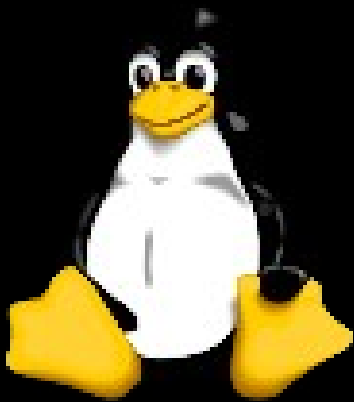


Origins of the Linux Operating System



- Why?
- What?
- When?

The beginnings (UNIX)

- 1965 (Bell Labs): MULTICS (Multiplexed Information and Computing Service).
- 1969 (AT&T): Rewrite by Ken Thompson and Dennis Ritchie to run on smaller machines (PDP7, 4K RAM!). Named it UNICS as a joke.
- 1971 (11 March!): First version of UNIX released (incl commands used today).

Thompson and Ritchie



UNIX proliferation

- 1979: SCO founded as Unix porting and consulting company
- 1983: The GNU project announced by Richard Stallman: “GNU's Not Unix” - Unix was becoming proprietary software – Need for freedom to evolve.
- IBM, SUN, SGI, AT&T, CRAY, HP, Fujitsu, ...

Richard Stallman



Linux

- 1991: First post by Linus Torvalds

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 -

I'm doing a (free) operating system (just a hobby, won't be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. I'd 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).

I've currently ported bash(1.08) and gcc(1.40), and things seem to work. This implies that I'll get something practical within a few months, and I'd like to know what features most people would want. Any suggestions are welcome, but I won't promise I'll implement them :-)

Linus (torvalds@kruuna.helsinki.fi)

PS. Yes - it's 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 that's all I have :-).

Linus Torvalds



Linux Proliferation

- 1992: Debian Linux and Slackware
- 1993: Over 100 developers work on Linux kernel
- 1994: Red Hat Linux
- 1995: Free BSD Unix
- 1998: IBM, Compaq, Oracle etc announce support for Linux
- 2004: Ubuntu Linux

SCO case

- 2003: SCO sues IBM for copyright infringement
- 2003: SCO starts selling Linux “licenses”
- 2004: Red Hat sues SCO, SCO sues Novell
- 2006: SCO's list of allegedly misused material are stricken by the magistrate judge in SCO v. IBM due to lack of specificity.
- 2007: Court rules that "Novell is the owner of the Unix and UnixWare copyrights."
- 2007: SCO stops trading and files for bankruptcy

Ubiquitous Linux

- 2009: Google Android based on Linux
- 2012: Android features merged back to Linux
- 2014: 93% of hiring managers plan to hire a Linux professional in the next six months
- 2015-: "Linux is Everywhere. From Space Stations to Microwave Ovens, Linux powers everything.": White House, US Navy, China 20,000 ICBC branches, Amazon, Wikipedia, Google, NASA, CERN, GA ;-)

95.2% of top 500 (July '13)

