Linus Torvalds

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Linus Torvalds
Early life

- Born on December 28, 1969 in Helsinki
- The Torvalds family belongs to the Swedish-speaking minority in Finland
- Family of Journalist
Early life - family

- **Father:** Nils Torvalds - a communist and a radio journalist

- **Mother:** Anna Torvalds - a translator and a creator of news graphics

- **Maternal grandfather:** Leo Törnqvist - a professor of statistics at the University of Helsinki

- **Grandfather** - an editor-in-chief of a Finnish newspaper

- **Uncle** - worked for Finnish TV.
The Birth of Linux (1)

- In 1981 - Commodore Vic 20
  - 8 bits home computer

- In 1987 - Sinclair QL
  - 32 bits computer for home use Motorola 68008 processor 7.5MHz and 128KB of RAM
Commodore Vic 20 vs Sinclair QL
The birth of Linux (2)

● 1988 - 1996 - The University of Helsinki
  ○ Graduating with a master's degree in computer science from NODES research group

● In 1990 - First class in the C programming language
  ○ The language that use to write the Linux kernel

● In early 1991 - IBM-compatible personal computer
  ○ 33MHz Intel 386 processor and a huge 4MB of memory
The birth of Linux (3)

- UNIX - cost more than $5000
- MINIX - a small clone of UNIX that was created by operating systems expert Andrew Tanenbaum
  - Not all of the source code was made public.
  - Kernel code is less than 6000 lines.

- Operating system design and implementation - Andrew S. Tanenbaum
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-sytem due to practical reasons)among other things.

I've currently ported bash (1.08) an 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 want.

Any suggestions are welcome, but I won't promise I'll implement them :-)

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The birth of Linux (4)

- 17th September 1991 - version 0.01

- 5th October 1991 - version 0.02 (Official version)
  - Bash shell and GCC (GNU C Compiler)
Do you pine for the nice days of minix-1.1, when men were men and wrote their own device drivers? Are you without a nice project and just dying to cut your teeth on a OS you can try to modify for your needs? Are you finding it frustrating when everything works on minix? No more all-nighters to get a nifty program working? Then this post might be just for you :-)

The birth of Linux (5)

Freax - free, freak and MINIX

(Then)

Linux
Move to the USA

- In 1996 - got an offer from Transmeta Corporation

- In 1997 - moved to Santa Clara in California's fabled Silicon Valley to accept a position with Transmeta Corporation.

- In 2003 - left Transmeta and focused on Linux kernel
• A version control system that is widely used for software development and other version control tasks.
Git (2)

- CVS - concurrent versioning system

- BitKeeper - a proprietary software tool for distributed revision control of computer source code.
  - In 2002 - the Linux kernel development team began using BitKeeper as a code version management tool.
  - In 2005 - stop free version
Linus Torvalds Today - OSDL
My first line of Code: Linus Torvalds & Home office

https://www.youtube.com/watch?v=S5S9LIT-hdc

https://www.youtube.com/watch?v=DmOo7N2MXq0
Awards & Honors

- 1996: 9793 Torvalds (Asteroid)
- 1997: Academic Honors
- 1998: EFF Pioneer Award
- 2000: Lovelace Medal
- 2001: Takeda Award
- 2002: World Technology Award
- 2005: Vollum Award
- 2008: Hall of Fellows
- 2010: C&C Prize
- 2012: Millennium Technology Prize; Internet Hall of Fame
- 2014: IEEE Computer Pioneer Award
Question?

Thank you