

Linux Mint

Rejuvenating old and creaky computers.

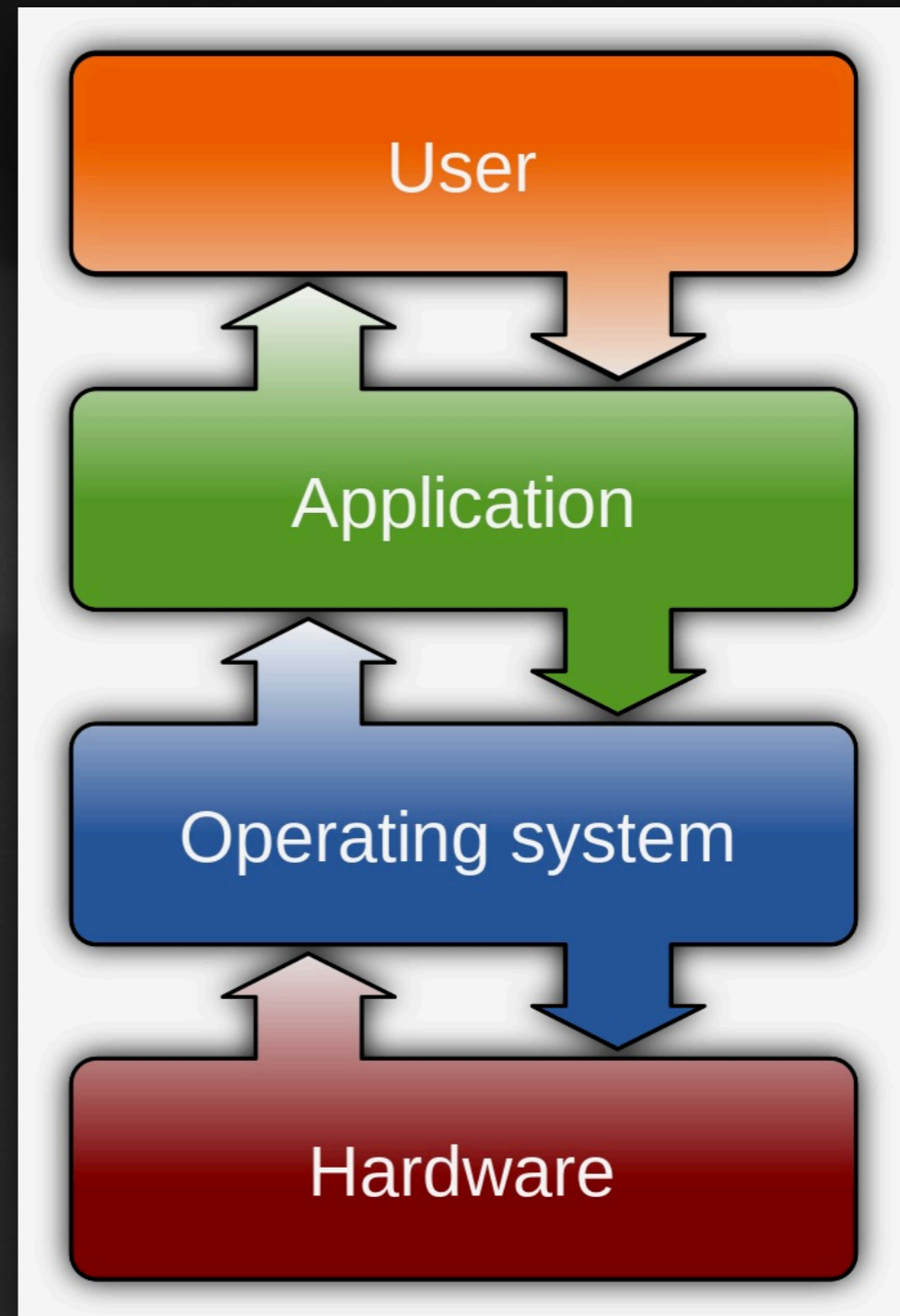
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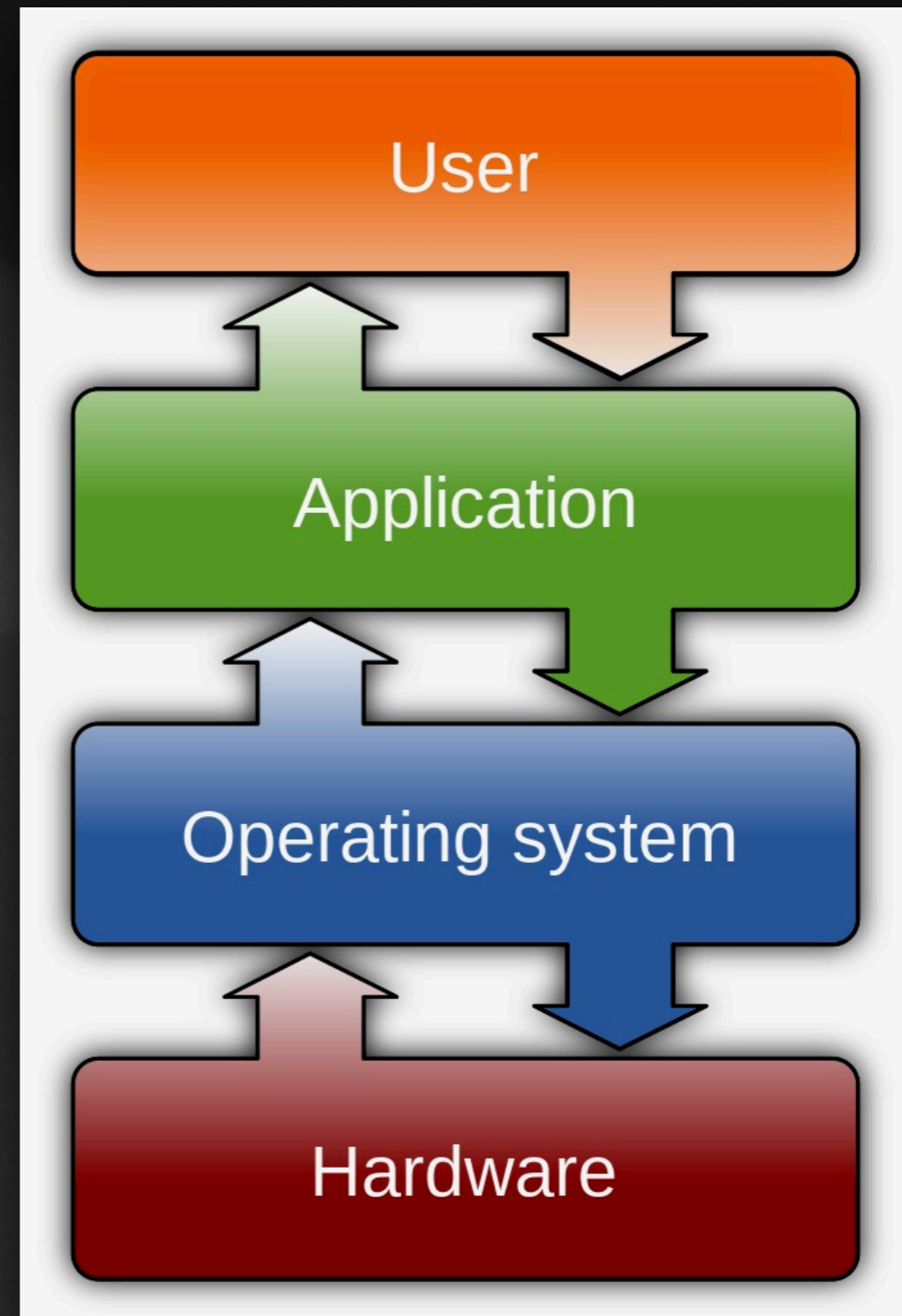
Pre-History

- 1969: Ken Thompson, Dennis Ritchie and others were working on Multics, an operating system for the GE-645 mainframe computer.
- Frustrated by Multics size and complexity, Thompson and Ritchie started to write a smaller, simpler OS.
- They called it Unics, later changing the spelling to Unix.

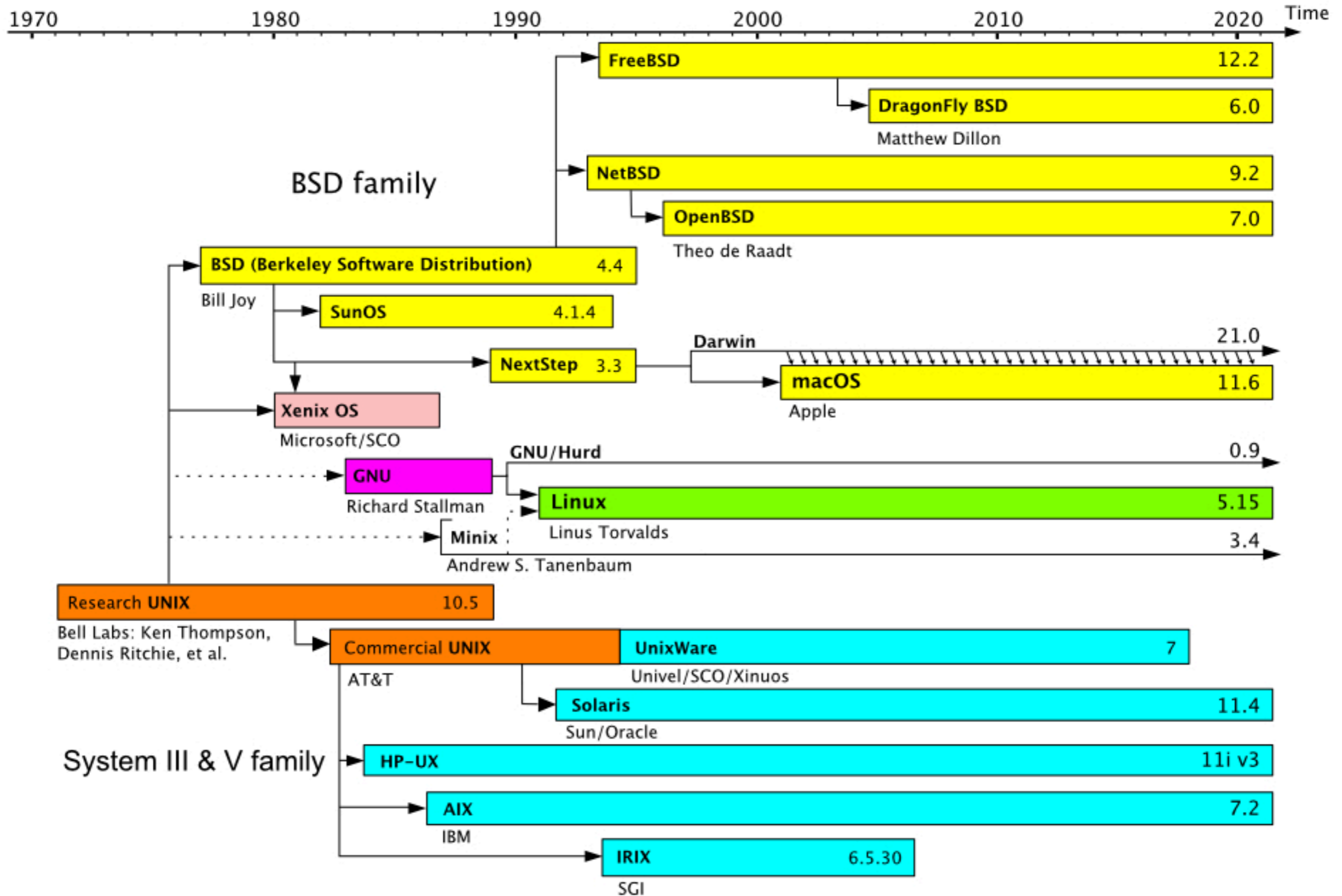


The Birth of Linux

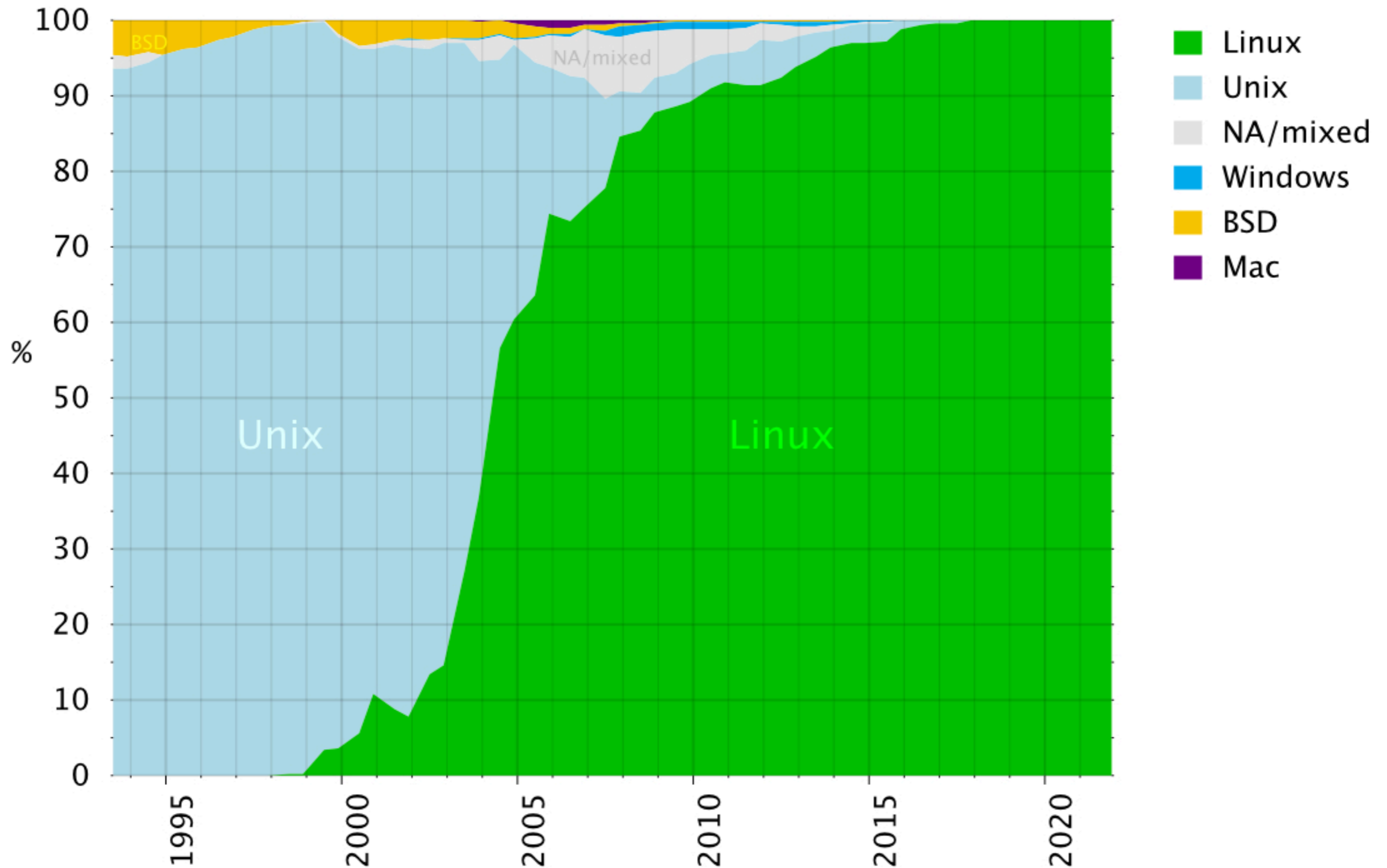
- 1991: The Unix kernel is re-implemented by Linus Torvalds and named Linux.
- Linux is released at no cost and with a copyleft licence.



The Unix Family



Operating Systems used on top 500 Supercomputers



Market Share

By counts of devices used to access the Web (Nov 2022)

- Google's Android (42%)
- Microsoft's Windows (30%)
- Apple's iOS (18%)
- Apple's macOS (6%)
- Linux (1%)
- Others (3%)



**“... as of May 2015 ... 96.55% of web servers
run Linux”**

– Wikipedia

**“Analysts and proponents attribute the relative
success of Linux to its security, reliability, low
cost, and freedom from vendor lock-in.”**

Programming Philosophy

- Write programs that do one thing and do it well.
- Write programs to work together.
- Write programs to handle text streams, because that is a universal interface.
- Consequently, Linux is light weight.

Licensing Philosophy

- Linux source code is available to anyone, without charge.
- Anyone is allowed to change the code for their own use.
- Consequently, all bugs are shallow and, hence, ...
- ... Linux is both reliable and secure.

Installing Linux Mint

- Download the ISO file
- Verify its integrity and authenticity
- Make a bootable USB stick
- Boot from the USB stick
- Run the installer app
- Reboot and configure the system

