Linux - Freedom operating system

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1 Operating System in 2022

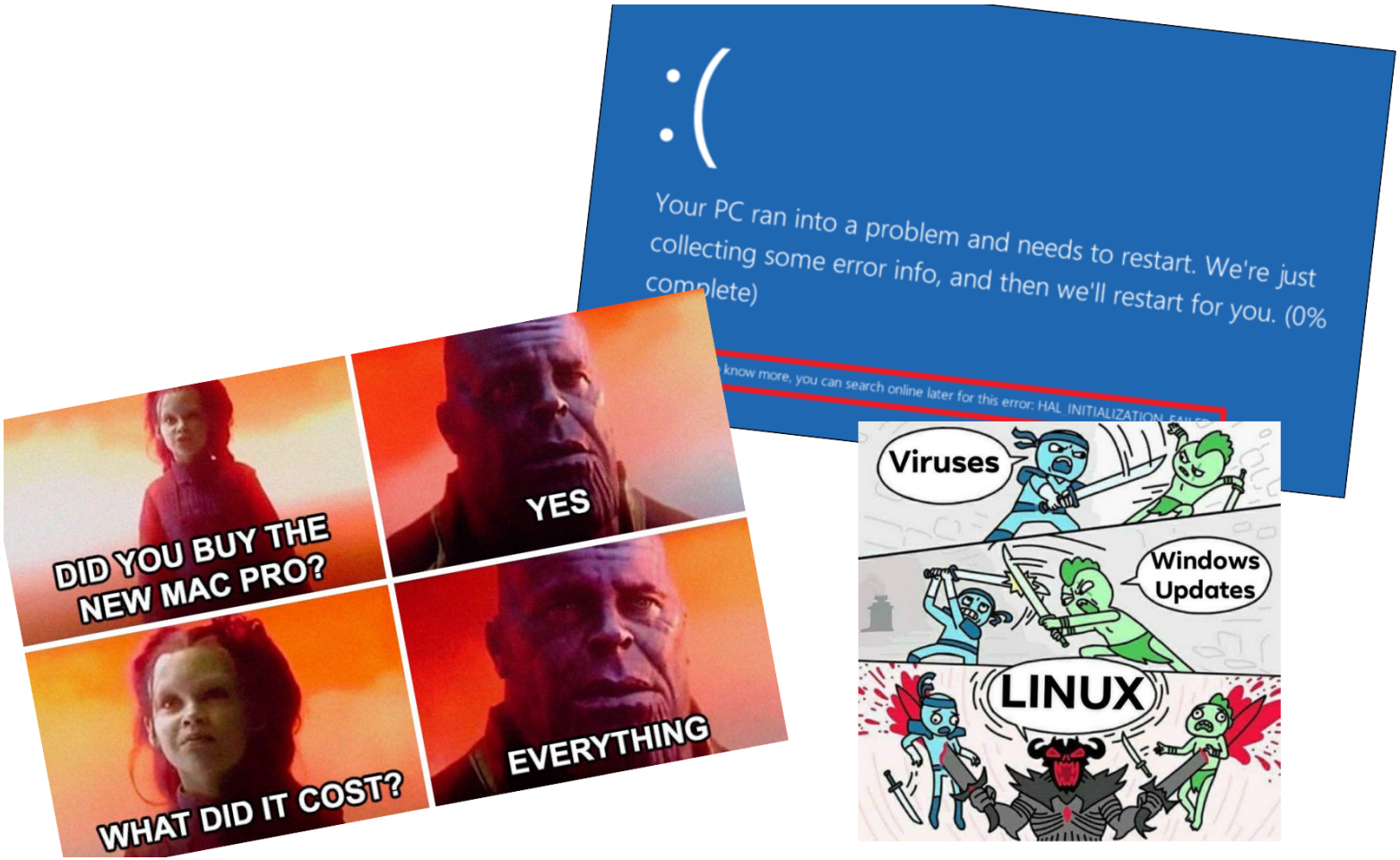
2 Linux

3 Privacy

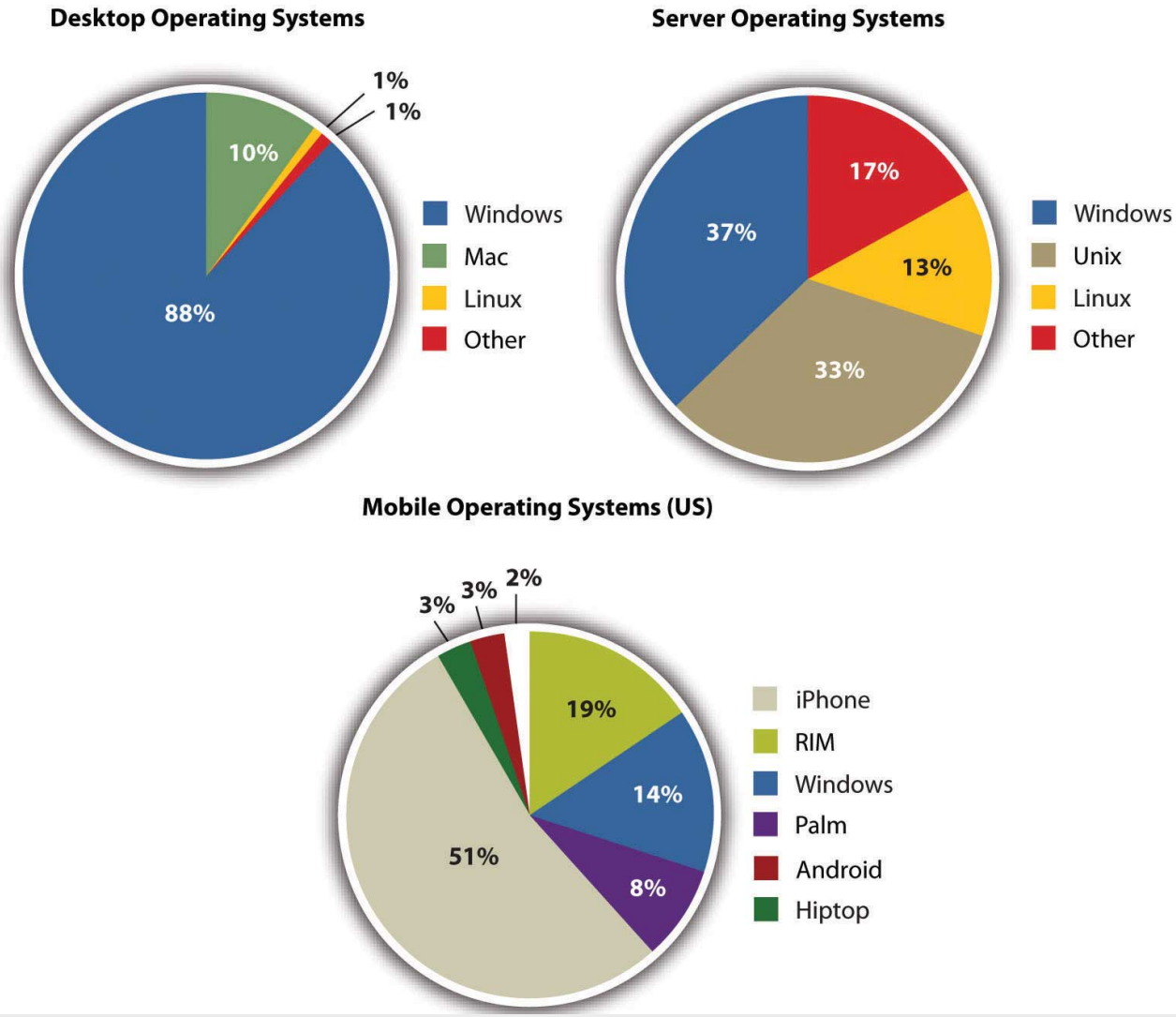
Section 1

Operating System in 2022

Operating System in 2022



OS Market Share



OS Super Computer 2015

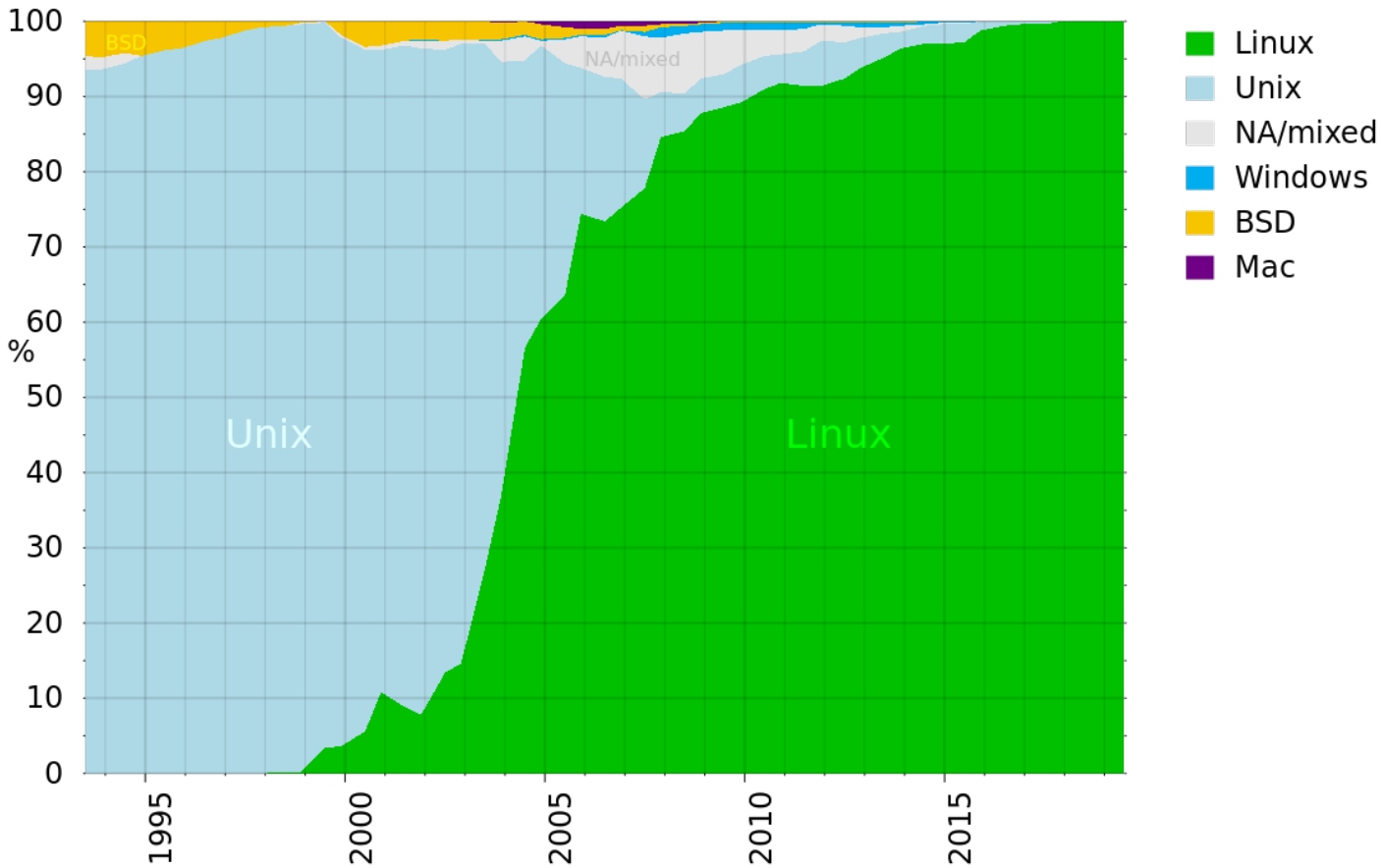


Figure 2: Number of super computer systems by OS

Section 2

Linux

Introduction

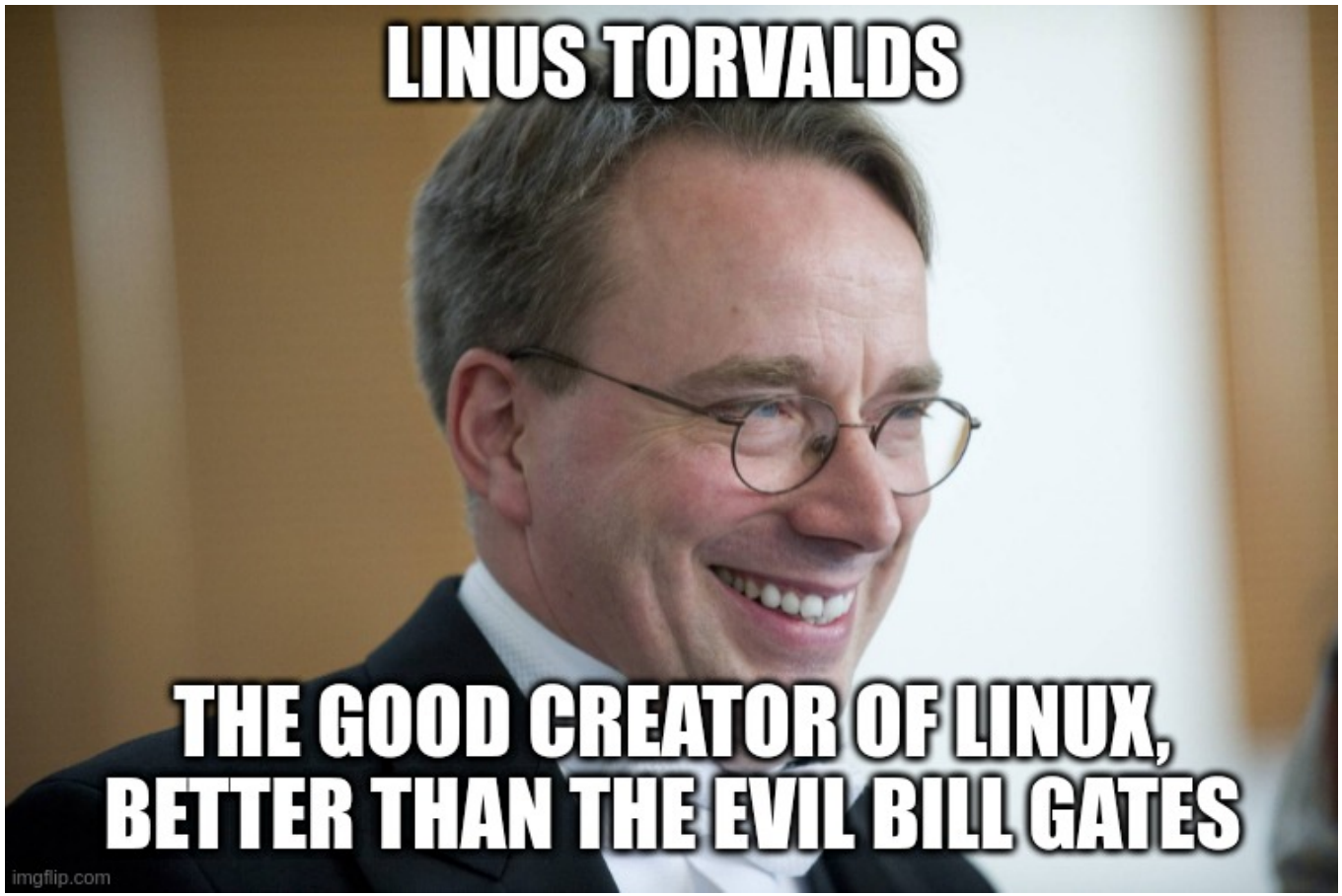


Figure 3: Creator of Linux

History: Unix Philosophy (1994)

- 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

What?

- Very popular
- Different distros
  - Ubuntu/Debian
  - Fedora/CentOS
  - ArchLinux
  - Gentoo
  - ...

Why?

- Free and Open Soucre
- Much fewer malware
- Minimalism: install and use what you need
- Compatibility: latest machines as well as 10-years-old ones
- Ease of use
  - GUI: for normal end users
  - Terminal: for geeks, sysad, netad,...
- Ease of maintenance
  - Update whole system with one command
  - Update apps as well
- Customization

How: Alternative GUI applications?

Figure 4: Alternative apps

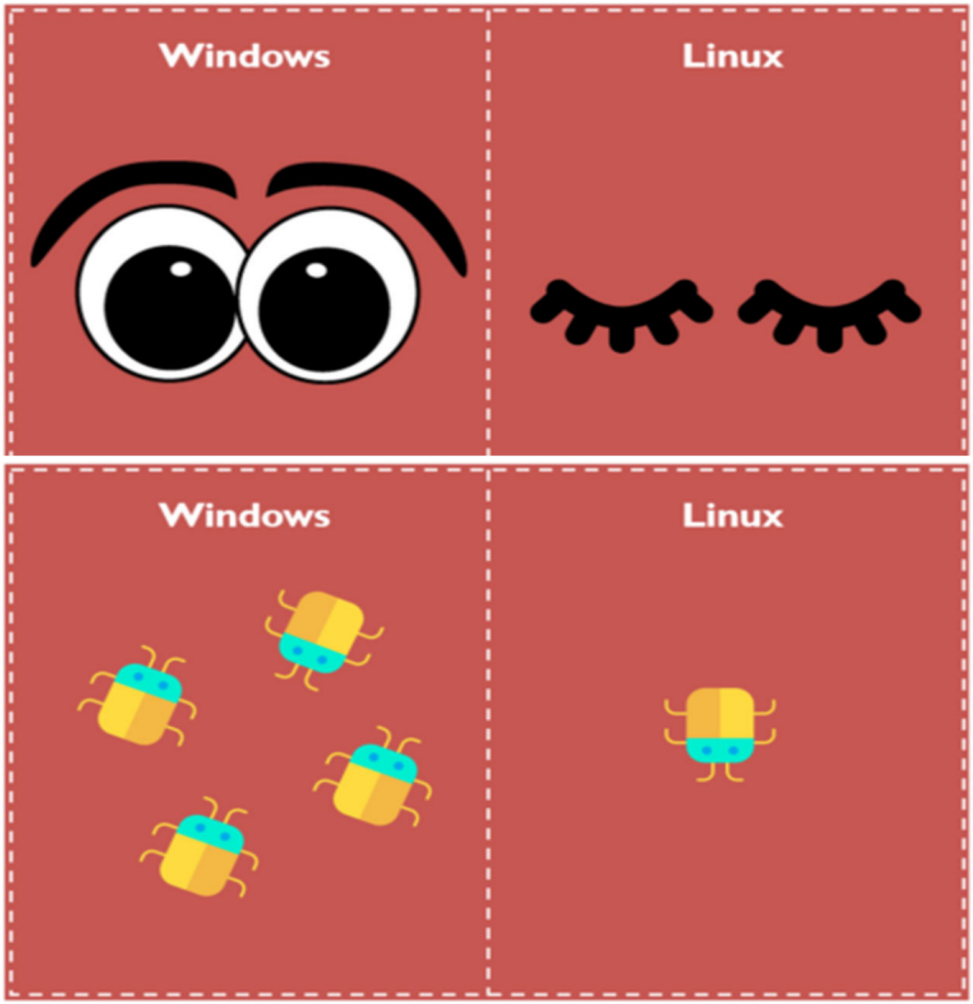
Section 3

Privacy

What is OpenSource?

- Freely available for possible modification and redistribution
- Allow software to evolve via the contributions of many users
- The right to use software as they want
- Security

Privacy



Thank you for listening!