AOSC OS/Retro – An Introduction

Our Ongoing Quest for the Possibility of Modern Linux...
        ... on Vintage Hardware
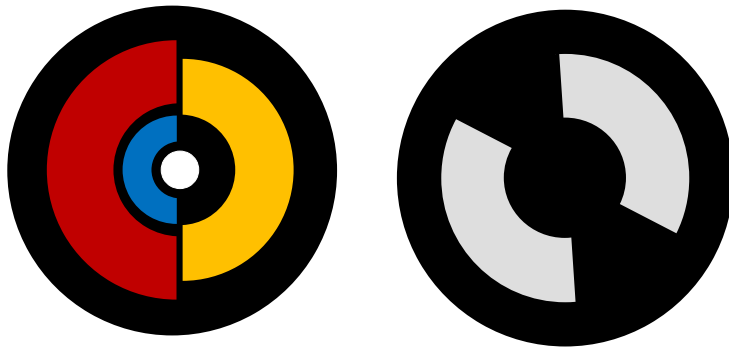
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AOSC... Come Again?

- Anthon Open Source Community

- We've been around for 10 years.

- Distribution-centric community.

Community (left) and AOSC OS (right) logos.

AOSC OS

- Simplified.
- Localised.
- Permissive.
- Refined.
- Sustainable.

Is AOSC OS Right for Me?
https://wiki.aosc.io/aosc-os/is-aosc-os-right-for-me/

You may also find this article from our Wiki's homepage.

Sustainable

- AOSC OS/Retro as a realisation of this goal.
    - Simplified dependency tree and localisation support also key points to this project.
- Challenges? Many.

AOSC Loves Retro

- AOSC OS/Retro as a passion project.

- Keeping old devices alive and useful.

*An-An, our community mascot,
holding a classic Macintosh.*

AOSC OS/Retro?

- Retro-friendly AOSC OS derivative/branch.
- Shares both design features and components.
- Scaling down.

AOSC OS/Retro logo.

Shared Components

- Shared components as a means to share experience.
  - Especially those we consider as positive.
- *Oh, he's said it, the s-word!*
  - But hey, hear me out…

Lennart Standard Base

- AOSC OS/Retro, powered by systemd.
- Familiar usage, unexpected "lightness."

Linux Standard Base? ***Lennart Standard Base!***

"Who needs Linux Standard Base in 2016?
You guessed right, no one!"

From our 2016 community meme sticker set.

Features by Expected Usage

- Retro devices as a useful gadget, not main devices.
- Stripping down features, keeping the habits.
- Dealing with prejudices...
    - ... while keeping in mind the limitations.
    - ... and expectations.

Self-Inflicted Agonies

- A fun experiment could never harm.

- Mainline goals, Retro agonies.

- Reality, it hurts.

AOSC OS Package Styling Manual
https://wiki.aosc.io/developer/packaging/package-styling-manual/

The Costs of Simplicity

- To split or not to split, not a choice for Retro.
- Everything takes space.
- But ${DISTRO} is smaller...
  - ... with split packages and Musl?
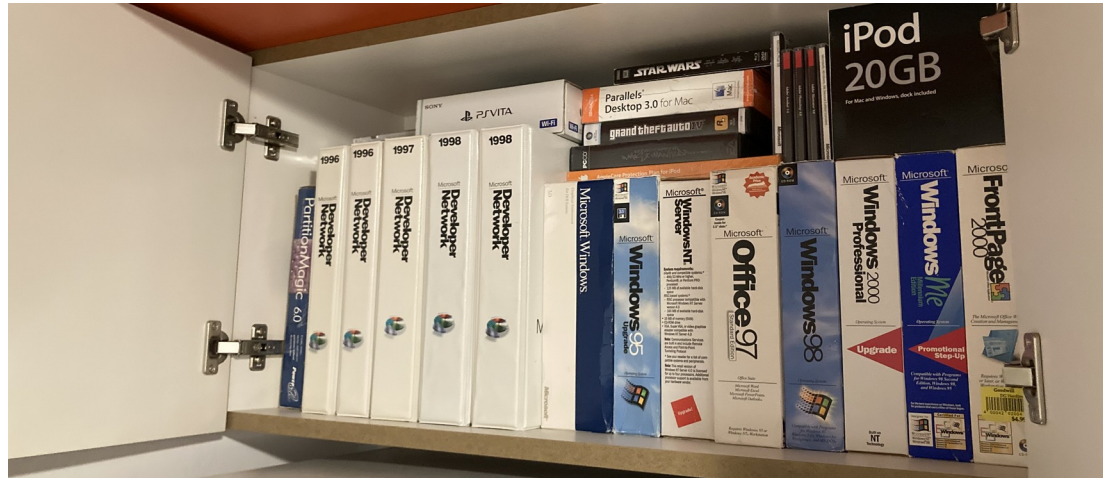
Weighty Languages

- Multilingual support, the hidden giant.
- Alphabets versus character banks.

```
1.9M      /usr/lib/locale/
17M       /usr/share/i18n/
82M       /usr/share/locale/
```

"Collectoritis"

- Nine ports, five on track.
- All the devices, *chuckles*, all the devices!
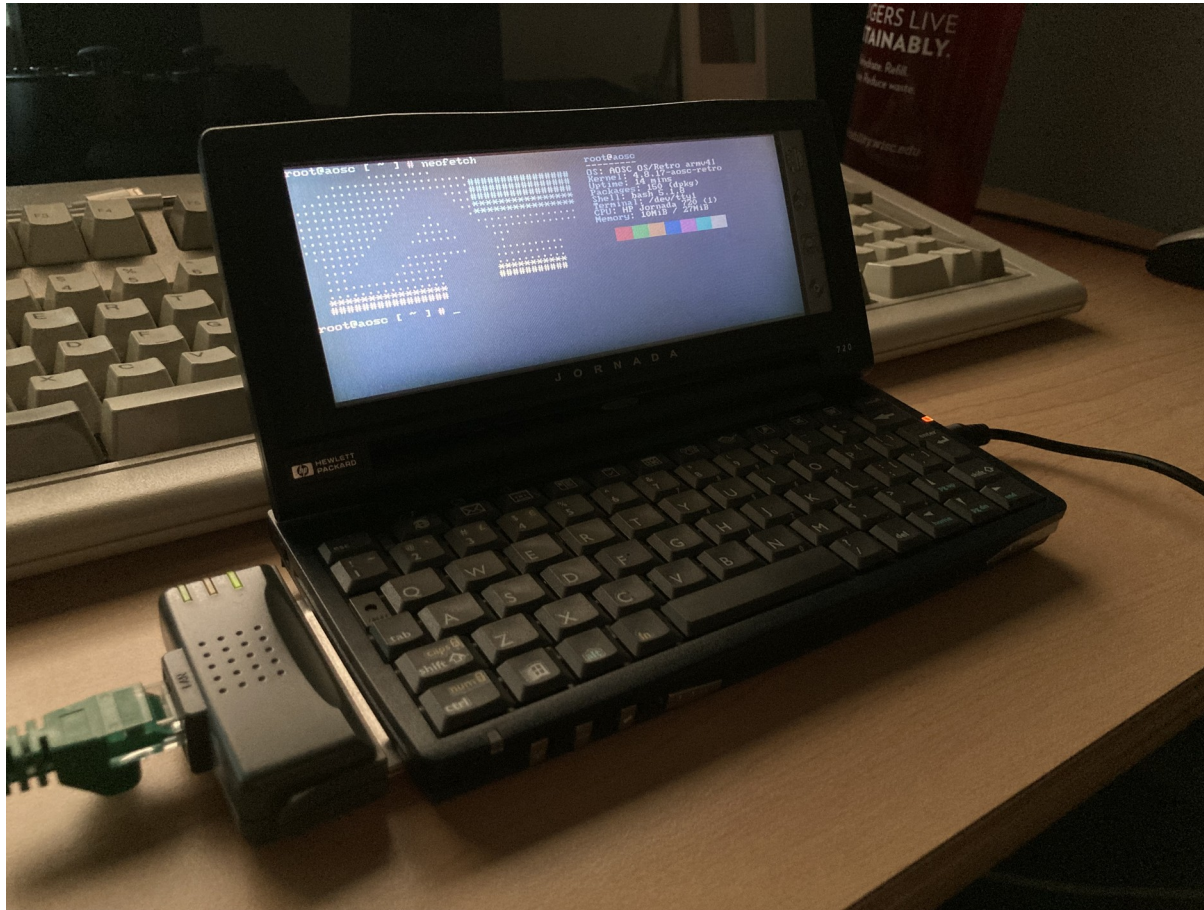

You know, 'tis but my cereal collection...

↖ **IBM PalmTop PC110**
"Baseline Tester"

Intel 486SL @ 33MHz,
20MiB of RAM,
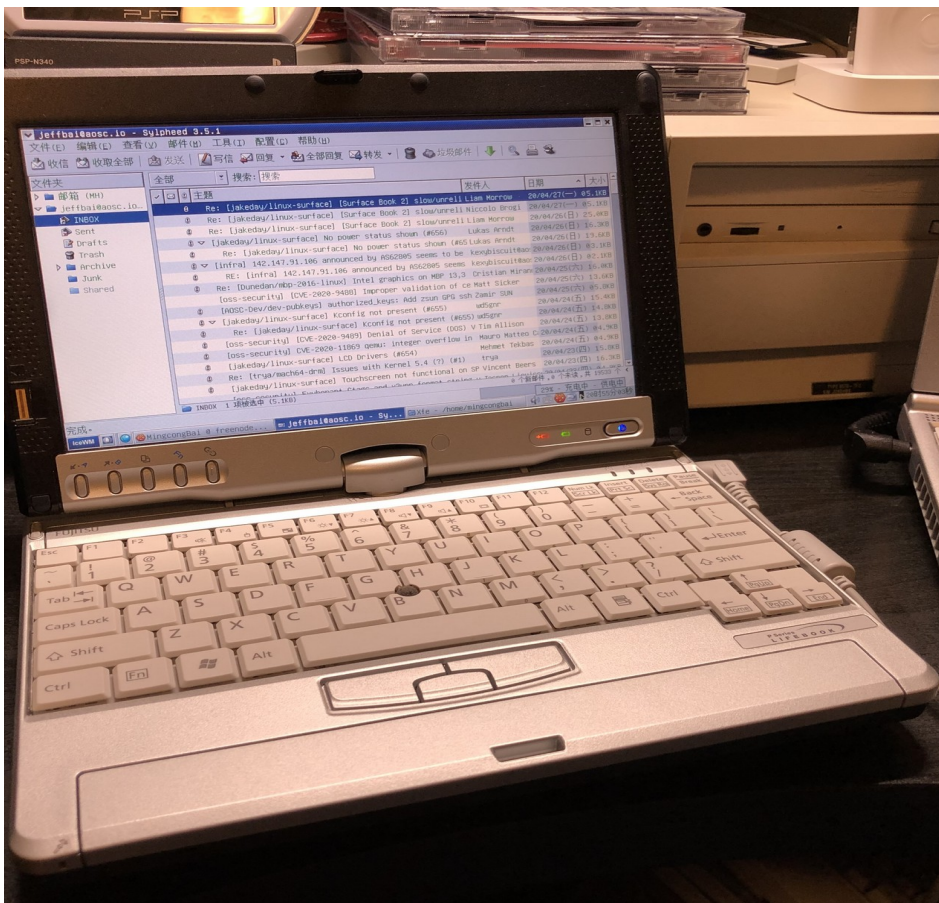*1GB CompactFlash Card*

⬉ HP Jornada 720
StrongARM SA-1110,
32MiB of RAM,
1GB CompactFlash Card

↖ **Apple iBook G3**
PowerPC G3 @ 233MHz,
192MiB of RAM,
8GB 2.5" IDE HDD

↖ Fujitsu Lifebook P1510D

Intel Pentium M @ 1.2GHz,
1GiB of RAM, 30GB 1.8" IDE HDD

↖ Toshiba Libretto 100CT

Intel Pentium MMX @ 233MHz,
64MiB of RAM, 2.1GB 2.5" IDE HDD
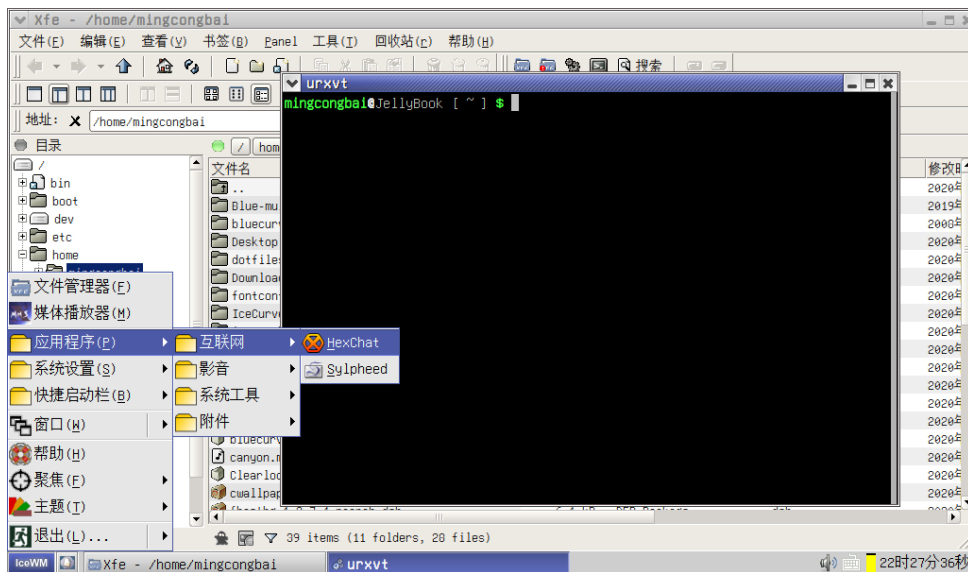
↖ Lemote YeeLoong 8089D

ICT Loongson 2F @ 800MHz,
1GiB of RAM,
8GB ATA Flash

The Products

- Different variant for different use cases.
- AOSC OS/Retro Home Basic® versus Ultimate®?

AOSC OS/Retro "X11"
with IceWM desktop

O Bother, What Have We Started?

- Passion is priceless – it's too expensive to care about.

- Help! We need people!

- See for yourself, and criticise plenty.

AOSC OS/Retro Downloads
https://aosc.io/downloads/#aosc-os-retro

Our GitHub Organisation @ AOSC-Dev
https://github.com/AOSC-Dev/

Questions, Comments, Critiques?

Thank you for your time!

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