OpenPrinting

Sandboxing/Containerizing alternatives to Snap for Printer Applications or CUPS

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We have snapped everything ...

- **Snap is sophisticated distro-independent packaging**
  - Like smartphone apps
  - AppArmor-based sandbox, well-defined interfaces to outside
  - Snap Store with strict security requirements
- **We have snapped (aka packaged as a Snap):**
  - CUPS
  - ipp-usb (IPP-over-USB daemon)
  - 6 Printer Applications (new printer driver format):
    - PostScript, GhostScript, HPLIP, Gutenprint, Lprint, HP-PCL

… but …

- – Deniers say: There is only one Snap Store

- – Not all distributions use systemd and AppArmor

- – Deniers say: Snapped desktop apps start up slowly (already mostly fixed)

- **We need alternatives**

  - – Flatpak? … GUI/Desktop apps only

  - – AppImage? … No security concept

  - – …?

- **Docker/OCI-compliant Containers**

  - – Run with `docker` or `podman`

  - – Run/manage system containers with `quadlet`

  - – Systemd portable service?