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
- 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?