ParticleOS

Can we make Lennart run an image-based distribution?

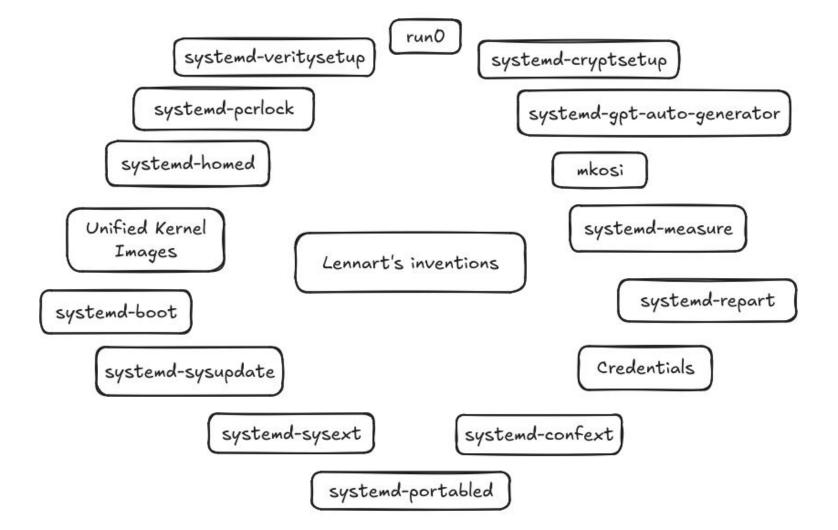
Dogfooding

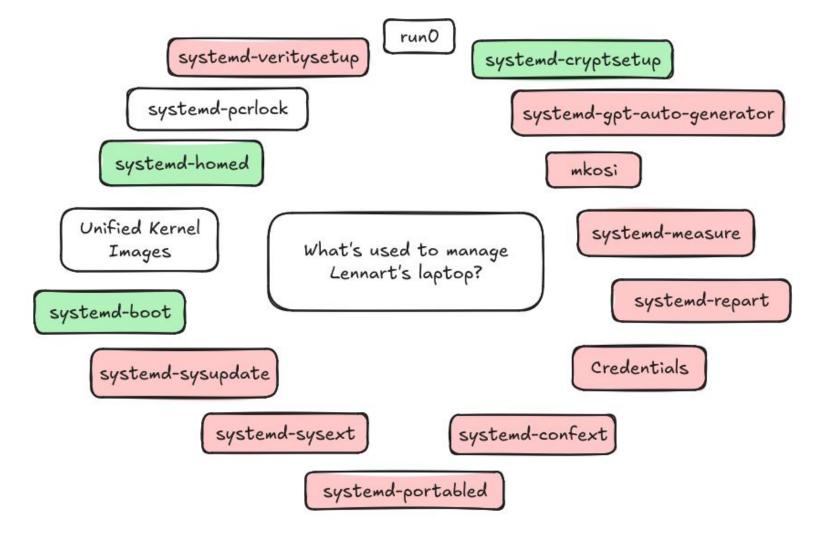
"Eating your own dog food, or 'dogfooding', is the practice of an organization using its own product internally. It's a great opportunity to view your product from the perspective of customers or clients, and by extension, ensure your user experience is exactly as you want it to be."

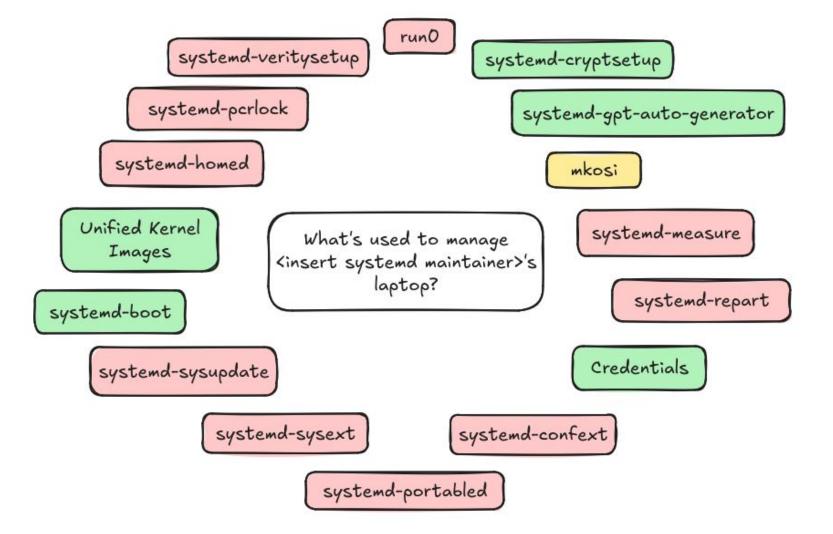


State Of Dogfooding









Why is this a problem?

- 1. We merge lots of **public APIs** without an immediate consumer
- 2. These **public APIs** end up in a systemd stable release
- 3. ..
- 4. Someone tries to use the interface
- 5. They find out the interface doesn't do exactly what they need
- 6. We have to figure out how to complete/fix the interface

Why is this actually a problem?

- 1. We Lennart merges lots of **public APIs** without an immediate consumer
- 2. These **public APIs** end up in a systemd stable release
- 3. ..
- 4. Someone I try to use the interface
- 5. They I find out the interface doesn't do exactly what they I need
- 6. We I have to figure out how to complete/fix the interface

How do we make Lennart dogfood systemd?

How do we make Lennart his own consumer?

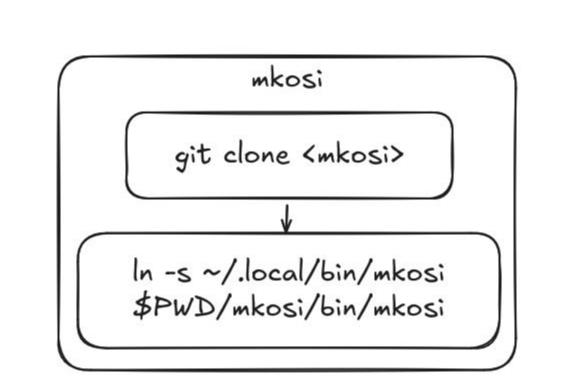
Create systemd's own distribution!

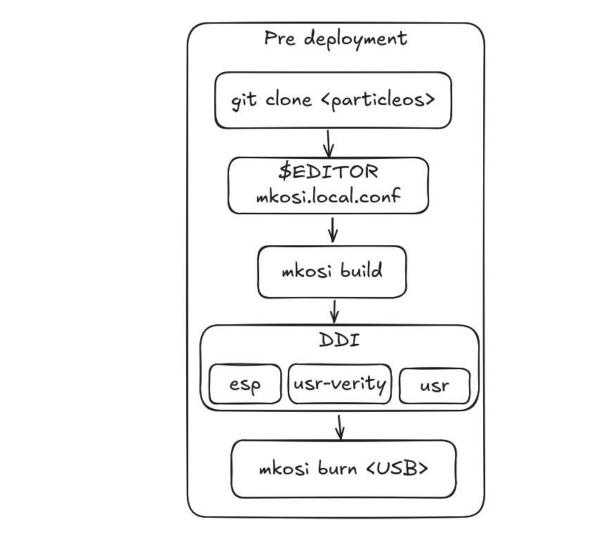
Requirements

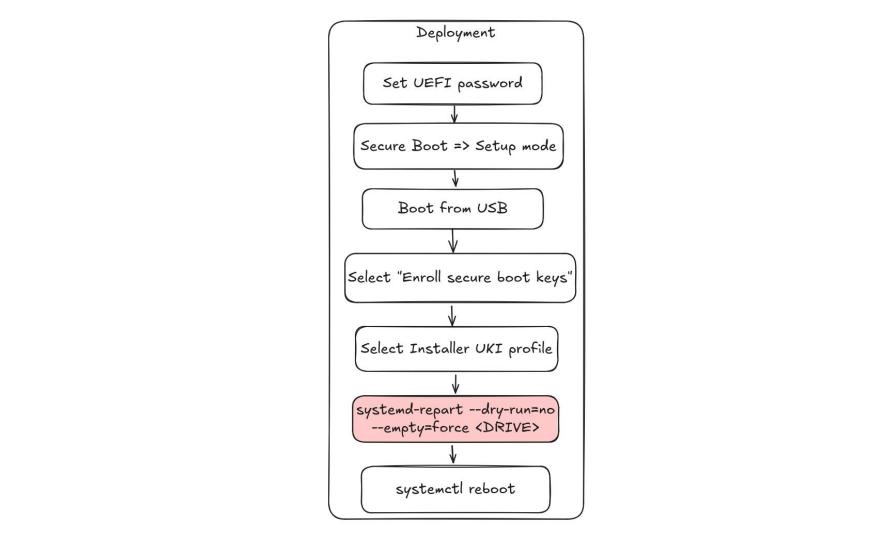
- Don't reinvent the (entire) wheel
- Gnome
- Use as many systemd tools as possible
- Run systemd from git main
- Enable easy hacking on systemd and the distribution
- Customizable
- Secure + Measured Boot

ParticleOS

- Immutable image-based distribution
- mkosi
- Arch / Fedora
- KDE / Gnome
- Self-signed
- Build it yourself
- https://github.com/systemd/particleos

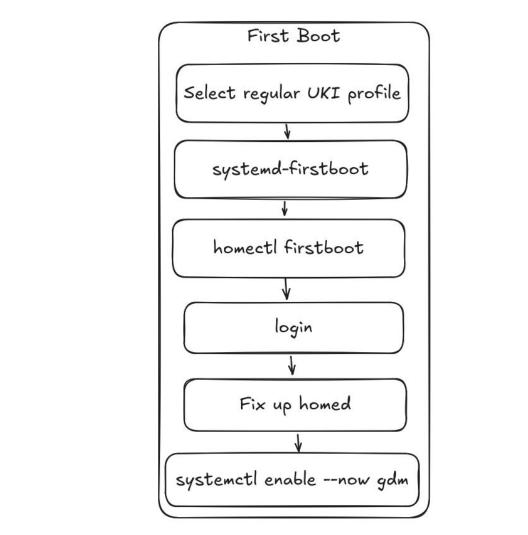


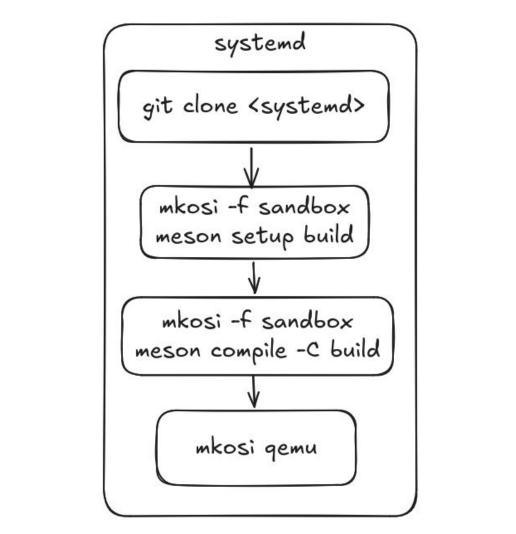


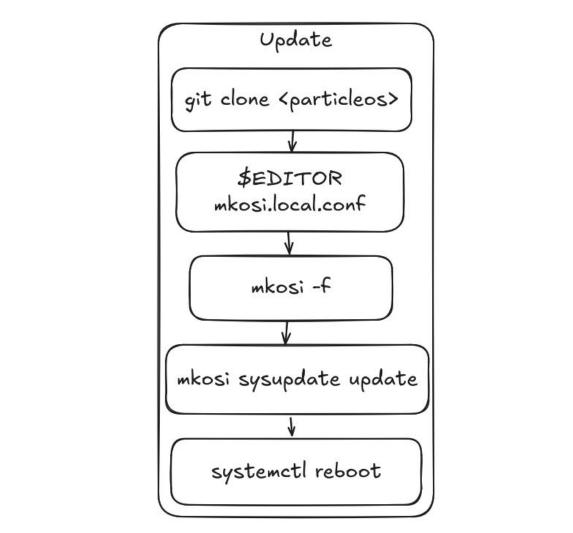


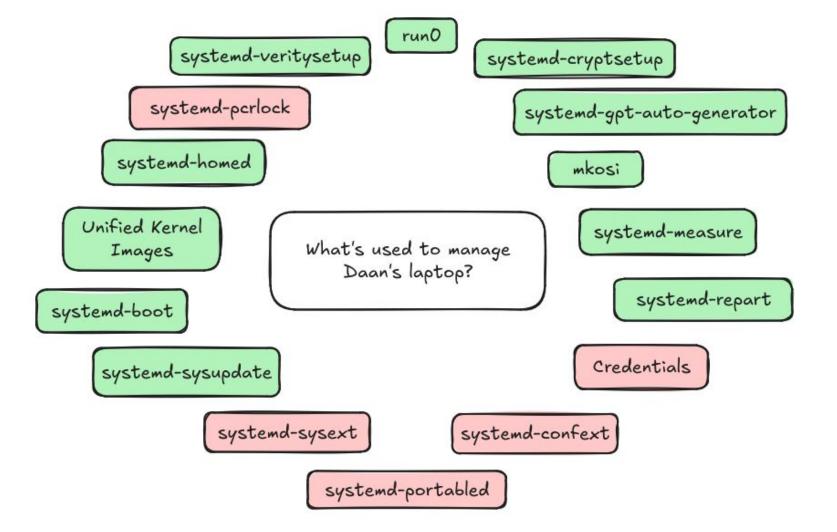
DRIVE

esp usr-verity usr swap root home



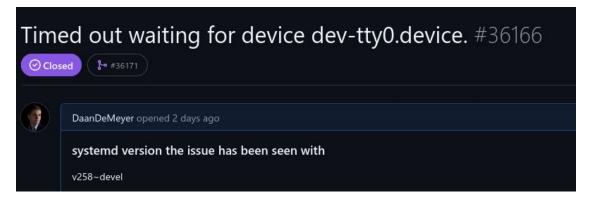






It works!





Kinda?

Add option for systemctl preset[-all] to preset units under /usr/lib



septatrix opened this issue on Jun 17, 2024 · 2 comments

Updates made with homectl update don't apply immediately or on logout/login #34529



DaanDeMeyer opened this issue on Sep 23, 2024 · 2 comments

Can't update home if systemd-homed can't resize home #34527



DaanDeMeyer opened this issue on Sep 23, 2024 · 0 comments

Failure to resize home locks the user out of account #34526



DaanDeMeyer opened this issue on Sep 23, 2024 · 1 comment

Call to action Lennart!

- Let's focus on building **end-to-end** solutions
- Let's always have an immediate **consumer** of any public APIs
 - Either ourselves or a user
- Let's dogfood systemd by switching to ParticleOS

What's missing?

- OpenSUSE Build System (OBS) => OBS Profile
 - Will force dogfooding of sysext, credentials, portable services, ...
- systemd-pcrlock
- More distributions (OpenSUSE, Debian, Ubuntu, CentOS Stream)
- More desktop environments
- Dual boot?
- Somehow get Lennart to adopt ParticleOS

The End