

AUTOMOTIVE
GRADE LINUX

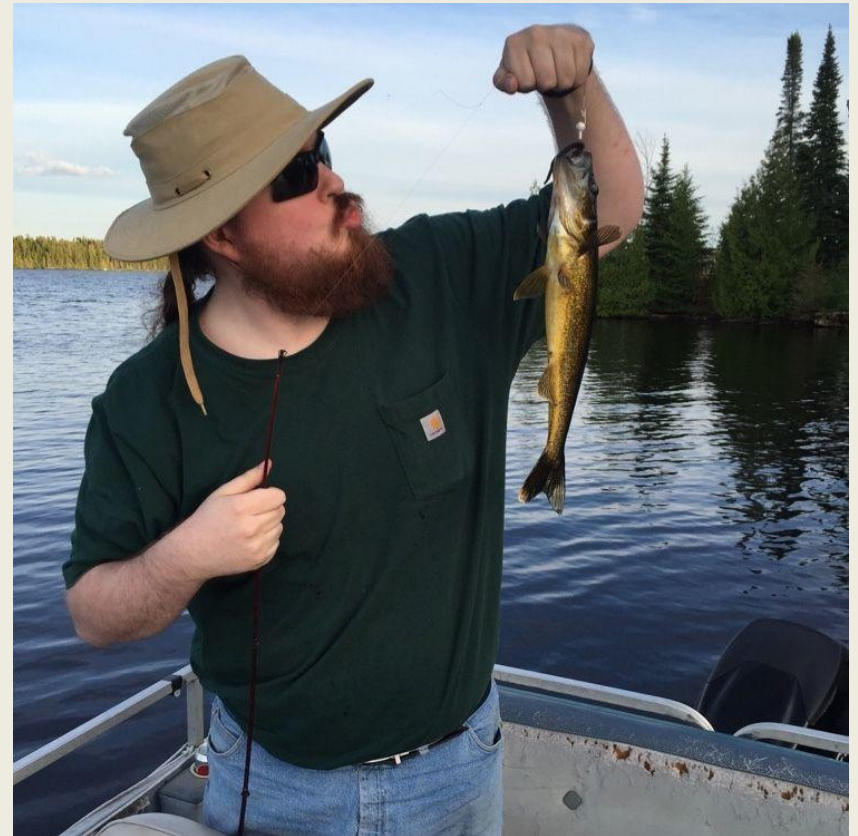
- **Dennis Field**

Software Engineer @ Radio Sound
9 years

Game maker & web developer
15+ years

- **Radio Sound**

Best infotainment products for
motorcycles and powersports in
Louisville, 34 years

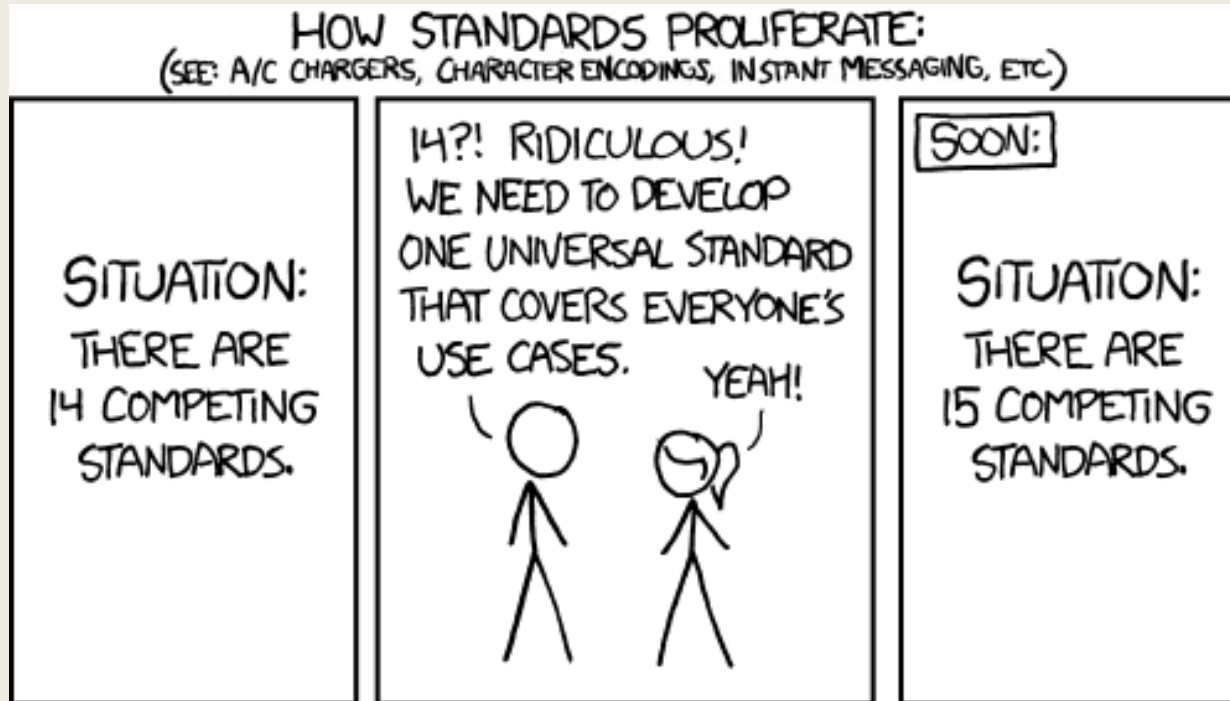


Linux in cars

Before 2015

- Everyone kind of doing their own thing
- Reinventing the wheel

Linux in cars



<https://xkcd.com/927/>

Introducing the 15th competing standard...

- Unified code base
- 70-80% of the starting point for an automotive project



<https://www.automotivelinux.org/>



Thanks for all the fish...

- Agile Albacore – Jan 2016
- Brilliant Blowfish – July 2016
- Charming Chinook – Dec 2016
- Daring Dab – July 2017
- Electric Eel – Jan 2018
- Funky Flounder – Oct 2018
- Grumpy Guppy – Feb 2019
- Happy Halibut – July 2019
- Itchy Icefish – Jan 2020



- Over 100 members
- Anyone can download, contribute



Pre-built demo platform images



<http://download.automotivelinux.org/AGL/release/halibut/8.0.1/>

Building Automotive Grade Linux



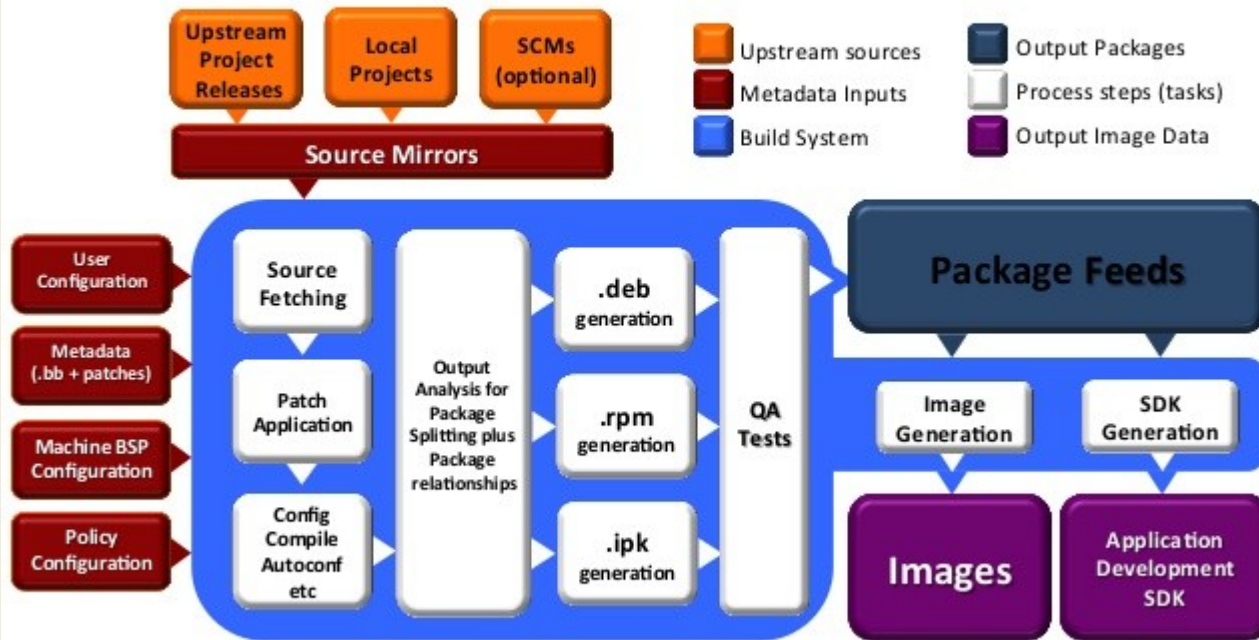
It's not an embedded Linux distro, it creates a custom one for you



<https://www.yoctoproject.org/>

Building Automotive Grade Linux

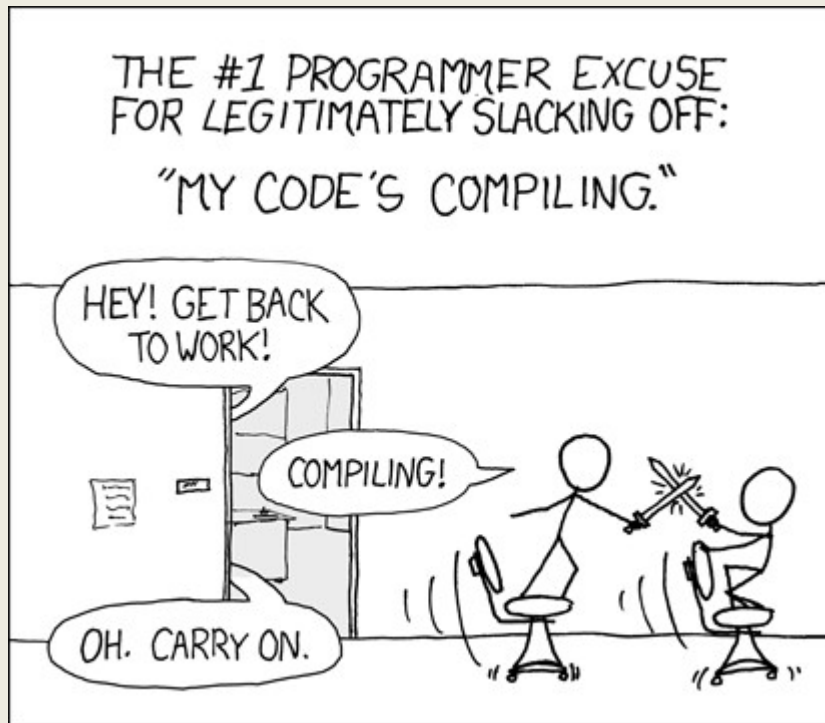
Build System Workflow



Building Automotive Grade Linux

- >100 GB free
- 1 to 6 hours

Building Automotive Grade Linux



- >100 GB free
- 1 to 6 hours



<https://www.xkcd.com/303/>

Demo time

Contributing

- <https://docs.automotivelinux.org/>



Read the docs, join the community, write issues in JIRA, submit patches in gerrit

Questions