





whoami

- Co-Founder LibreWRT project
- Campaigns Manager intern for the FSF
- Current CTO of ThinkPenguin, Inc.
- Free Software activist



What is libreCMC?

- libre Concurrent Machine Cluster
- “GNU/Linux” distro (Other kernels in the future)
- Embedded Applications (router, controllers, servers)
- Research
- 100% free software (think freedom)



What is LibreCMC?

- Fork of OpenWRT
- Linux-libre kernel
- Most targets are stripped out ('blobs')
- Actively work to shrink footprint



What is LibreCMC?

- Project has been around 5 years (March 2010)
- LibreWRT → LibreCMC
- Only includes “Free Software”
- Release every 6 mo.



Embedded Realm

- Long been non-free
- Most solutions have “blobs”
- Manufactures violate licenses
- User has little freedom



Embedded Realm

- OpenWRT : Non-free parts (functional aspect)
- DD-WRT : Takes away freedoms / restrictive / does not build
- OpenEmbedded/Yacto / Angstrom
- Embedded space is growing out of control



Applications

- Router, controllers, PDA-like, communications.
- LSaaS (Local Software as a Service)
- LPaaS (Local Platform as a Service)
- Advocation of decentralized services



Experimental

- Project to provide Email, Social Networking and storage services
- Decentralized networks (CJDNS)
- Usage of other kernels



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Research

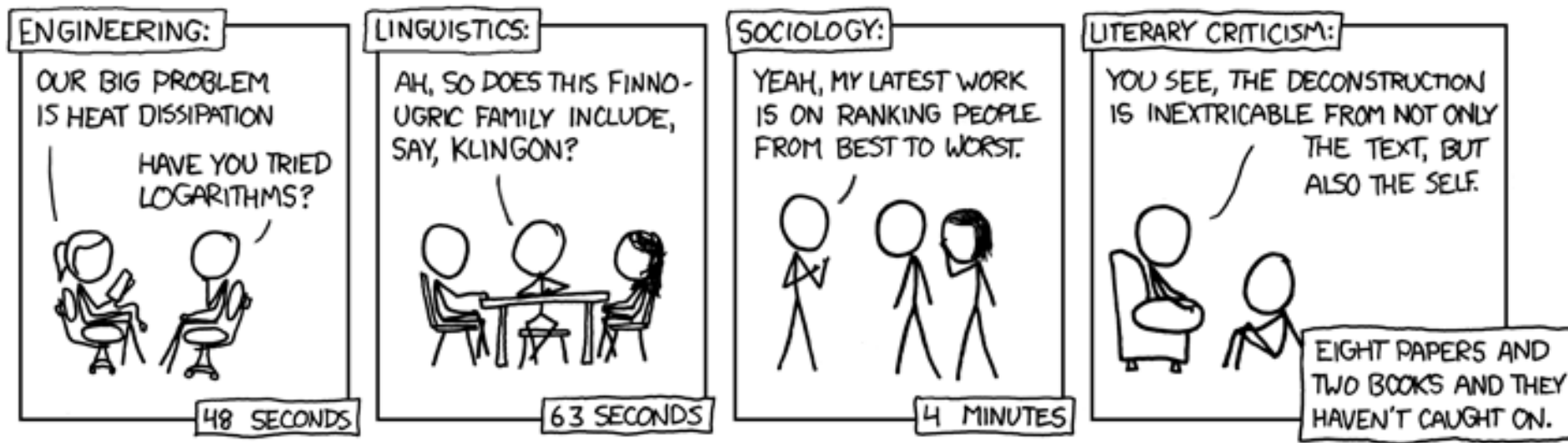
- Embedded OS design
- Find what works
- Cooperate with other Free Software projects
- Re-invent a better wheel



Q/A or Demo?

MY HOBBY:

SITTING DOWN WITH GRAD STUDENTS AND TIMING HOW LONG IT TAKES THEM TO FIGURE OUT THAT I'M NOT ACTUALLY AN EXPERT IN THEIR FIELD.





More Info

Clearnet:

- lists.librecmc.org : libreCMC mailing lists.
- downlods.librecmc.org : libreCMC source / img downloads
- librecmc.org : main project page and wiki.
- info@librecmc.org : General mail for the project.

Hyperboria:

- hype.librecmc.org : librecmc project page on Hyperboria.
- hype.downloads.librecmc.org : Hyperboria libreCMC src / image mirror.

Xkcd image – impostor - <http://xkcd.com/451/>