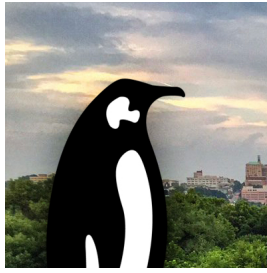


Linux Plumbers Conference 2023



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Build Systems Microconference

In the Linux ecosystems there are many ways to build all the software used to put together a running system. Whether it's building all the binary packages for a binary Linux distribution, using a source-based distribution, or building an embedded system from scratch, there are a lot of shared challenges which each system solves in their own way.

This microconference is a way to get people who work on disparate build systems to discuss common problems and possible shared solutions across the entire problem space.

Suggested topics:

- Bootstrapping the build system
- Cross building software
- Make, autoconf, and other similar software build tools
- Package build systems, bitbake, emerge/portage, pacman, etc
- Packaging formats
- Managing software with language specific package managers
- Patch sharing
- License gathering and verification
- Security updates
- SBOMS
- Software chain-of-trust
- Repeatable builds
- Documentation and education
- Finding the next generation of maintainers
- Build-system visibility within the wider Plumbers attendees

Audience

Developers and maintainers in projects such as (though not a definitive list):

- Arch Linux
- Buildroot
- ChromeOS build
- Gentoo
- OpenEmbedded
- OpenWRT/LEDE
- Yocto Project
- Other traditional Binary Packaged distributions

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