

Linux Plumbers Conference 2022



Monday, September 12, 2022 - Wednesday, September 14, 2022

Program

LPC Refereed Track

Refereed presentations are 45 minutes in length (which includes time for questions and discussion) and should focus on a specific aspect of the "plumbing" in the Linux system. Examples of Linux plumbing include core kernel subsystems, core libraries, windowing systems, management tools, device support, container run-times, media creation/playback, and so on. The best presentations are not about finished work, but rather problems, proposals, or proof-of-concept solutions that require face-to-face discussions and debate.

Kernel Summit Track

The goal of the Kernel Summit track will be to provide a forum to discuss specific technical issues. The program committee will also consider "information sharing" topics if they are clearly of interest to the wider development community (i.e., advanced training in topics that would be useful to kernel developers).

We will be reserving roughly half the Kernel Summit slots for last-minute discussions that will be scheduled during the week of Plumber's, in an "unconference style".

Birds of a Feather (BoF)

BoF sessions are free-form get-togethers for people wishing to discuss a particular topic.

eBPF & Networking Track

The track will be composed of talks, 40 minutes in length (including Q&A discussion). Topics will be advanced Linux networking and/or BPF related.

Toolchains Track

The Toolchains track that will focus on topics of interest related to building the Linux kernel, and kernel development in general. The goal is to get kernel developers and toolchain developers together to discuss outstanding or upcoming issues, feature requests, and further collaboration.

Note that LPC "activities" are not quite the same than regular talks as they are found in most other free software events. The activities shall be related to the Linux kernel and should focus on some particular toolchain problem, or issue, or proposed enhancement, that require or would benefit from the input of kernel hackers. The pursued outcome of the activity shall not be some vague directions or promises of future work and/or collaboration: you should aim to discuss and agree on the spot using the fact the kernel hackers will be present. The duration of each activity depends on its nature and on how it actually develops: some discussions will require just a few minutes, while others may require more time. However, it would be useful if you specify an estimation of how much time you expect your activity will require; that will help us in the scheduling. Slides are actually discouraged, so please try to keep them at a minimum, the ideal is just one or two slides to establish the context for the discussion.

LPC Microconference

A microconference is supposed to be research and development in action and an abstract for a microconference should be thought of as a set of research questions and problem statements.

In past years microconferences were organized around topics such as security, scalability, energy efficiency, toolchains, containers, printing, system boot, Android, scheduling, filesystems, tracing, or real-time. The LPC microconference track is open to a wide variety of topics as long as it is focussed, concerned with interesting problems, and is related to open source and the wider Linux ecosystem. We are happy about a wide range of topics!

The list of Approved Microconferences in 2022 is as follows:

Android MC

Confidential Computing MC

Compute Express Link MC

Containers and Checkpoint/Restore MC

CPU Isolation MC

IoTs a 4-Letter Word MC

Kernel Memory Management MC

Kernel Testing & Dependability MC

linux/arch MC

Open Printing MC

Power Management and Thermal Control MC

Real-time and Scheduling MC

RISC-V MC

Rust MC

Service Management and systemd MC

System Boot and Security MC

VFIO/IOMMU/PCI MC

Zoned Storage Devices (SMR HDDs & ZNS SSDs) MC

LPC Microconference Track (CLOSED)