



Contribution ID: 22

Type: **not specified**

Android MC

Continuing in the same direction as last year, this year's Android microconference will be an opportunity to foster collaboration between the Android and Linux kernel communities. Discussions will be centered on the goal of ensuring that both the Android and Linux development moves in a lockstep fashion going forward.

Projected talks:

- GKI experience (Elliot Berman)
- Technical debt (Matthias Männich)
- Hermetic builds with Bazel (Matthias Männich)
- STG for ABI monitoring (Giuliano Procida)
- fw_devlink and parallelization updates (Saravana Kannan)
- Virtualization in Android (David Brazdil, Serban Constantinescu)
- Cuttlefish and Kernel Dev (Ram Muthiah)
- eBPF-based FUSE (Paul Lawrence)
- EROFS as a replacement for EXT4 and Squashfs (David Anderson)
- MGLRU results on Android (Kalesh Singh)
- io_uring in Android (Akilesh Kailash)
- (Impact of) Recent CPU topology changes (Dietmar Eggemann, Ionela Voinescu)
- Dynamic Energy Model to handle leakage power (Lukasz Luba)

Accomplishments since the last Android MC:

- fw_devlink: Fixed the correctness of sync_state() callbacks when simple-bus devices are involved
- Implemented a prototype for the cgroup-based accounting of DMA-BUF allocations – current review doc: <https://patchwork.kernel.org/project/linux-media/patch/20220328035951.1817417-2-tjmercier@google.com/>
- Other dependencies for tracking shared gfx buffers now merged
- Improved community collaboration:
- Collaboration page set up: <https://aosp-developers-community.github.io/>
- Integrating v4l2_codec2 HAL on v4l2-compliant upstream codecs WIP

Deadline for submitting new talks: August 1st.

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I agree to abide by the anti-harassment policy

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