



THE LINUX FOUNDATION
OPEN SOURCE SUMMIT
EUROPE

The Embedded Android Developer's BoF

Chris Simmonds

Why we are here

- There are few opportunities for AOSP developers to come together
- This BoF is such an opportunity
- The aim of the meeting is to share your experiences, tips, tricks, and grumbles about developing with AOSP
- There will be a call to action at the end

Agenda

To get things going, here are some topics that I think are interesting

- AOSP community
- Android in Automotive
- Android-ready hardware

... and what else? Ideas please

AOSP Community

Compared to the community support for app developers, AOSP developers have very few resources

Here are some:

- aosp-devs: <https://aosp-devs.org/>
- The AOSP and AAOS Meetup: <https://aospandaaos.github.io/>
- In-person meetings
 - AOSP dev rooms at FOSDEM and IndiaFOSS
- AOSP Developers Community:
<https://aosp-developers-community.github.io/>



<https://aosp-devs.org/>

- Active conversations on Discord
 - `#general #kernel #atv #automotive #sdk-addon #jobs`
- Monthly newsletter: <https://aosp-devs.org/newsletter.html>
- Blogs: <https://aosp-devs.org/blog.html>
- Library: <https://aosp-devs.org/reference.html>

aosp-devs run by the community for the community

We welcome contributions to the Blogs and Library pages

Just create a pull request!

The AOSP and AAOS Meetup



On-line meetup up every 2 months (January, March, May, July, September, November)

970 members

Sign up: <https://www.meetup.com/the-aosp-and-aaos-meetup/>

Details of past meetups, including slides and videos:

<https://aospandaaos.github.io/>

Android in Automotive

Discussion points

- GAS or no GAS?
- Things missing from AAOS, e.g.
 - push notifications
 - limited selection of vehicle signals exposed by VHAL
- Over restrictive permissions
- OEM-specific SDKs, leading to fragmentation of the market for app developers

Android-ready hardware

Discussion points

- Is Embedded Android still a thing?
- Off-the-shelf hardware?
- Android-ready devboards?
- Custom hardware?
- Integrating and distributing AOSP updates

Call to action

- Google is absent here
- We can fill the gap by sharing and helping each other
- We need your help at aosp-devs and at the AOSP and AAOS Meetup
 - join the chat
 - write a blog on little documented but often used areas
 - add links to the library
 - give a talk at the meetup

Keep in touch!

Take Your Embedded Linux Skills to the Next Level

Mastering Embedded Linux Development

by Frank Vasquez & Chris Simmonds



Packt Website



Amazon



Get 45% off on eBook
& 40% off on Print