

The AOSP and AAOS March meetup

Agenda

18:00 Welcome and introduction

18:10 Talk 1: Aims and objectives - your opinions matter!

18:30 Talk 2: Using the Cuttlefish emulator in place of Goldfish

18:50 Talk 3: Testing the VHAL using SocketComm

19:10 Q&A; networking

19:20 Wrap-up

19:30 Session ends

What is it for?

- Discuss building, developing and testing products based on AOSP
 - tricks and tips
 - best practice
 - pitfalls
 - new features
 - ... and anything else that comes to mind

Format

- 90 minutes
- 2 or 3 sessions of 20 minutes
 - talk with slides, talk without slides, demonstration, ...
- time to chat and network
- Comments?
 - is 20 minutes too long? Could be a combination of 20, 10 and 5 minute slots (lightning talks)
 - more time to network?

Frequency and location

- Every 2 months: (January), March, May, July, September, November
- On-line
- Possible physical meetup at key events
 - FOSDEM (Brussels), Embedded World (Nuremberg)
- Comments?
 - more or less often?
 - would you attend a physical meetup?

Group resources

- Right now, we have this meetup group page and discussions
- I will post links to all talks; they will be open to everyone, not just the group
- Question: should we record the sessions?
 - nothing is being recorded this time
- Question: what else should we have? Slack channel? Git repo?

Ideas for future topics

- Getting information about ASOP - good sources, relevant conferences, blog posts, etc
- Running on real hardware, for example Raspberry Pi
- The Soong build system and Blueprint
- Testing and debugging
- Emulators: Cuttlefish, Goldfish and Trout
- Security, SELinux, secomp, sandboxing
- Encryption, secure boot and TEE

Let me know if you have something to say!

Future contributors

- Let me know if you have something you want to say
- Ideally, a few weeks before each meetup
- I don't want to do all the talking

Community

Community and Open Source

- Open source should be more than just free code
 - share
 - communicate
 - contribute - code, bug reports, information (blogs, READMEs, HOWTOs)
- Linux kernel is a good example

Community and AOSP

- Tens of thousands of developers work on AOSP and AAOS
- Google is absent when it comes to platform building
 - app development is a different story

Android community page

- <https://source.android.com/setup/community>

Google groups

- "Official" Google groups:

`https://groups.google.com/g/android-platform`

`https://groups.google.com/g/android-building`

`https://groups.google.com/g/android-porting`

`https://groups.google.com/g/android-kernel` `https://groups.google.com/a/android.com/g/automotive-developers`

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- Little involvement from Android developers
- Most questions unanswered

Conferences

- Linux Plumbers Conference <https://www.linuxplumbersconf.org> has an Android Microconference related to kernel
- Linaro Connect <https://connect.linaro.org> AOSP-related talks related to kernel and boards supported by Linaro (HiKey, DragonBoard)

Bootcamps

- AAOS Bootcamps every summer
- Private; invitation only
 - except for Android 11, September 2020, presentations:
`https://source.android.com/devices/automotive/start/presentations`

- Question: where do you go to get information about AOSP?