

Ion @ LPC 2016

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Please ask questions

Goals

- What to do with Ion currently in staging
- What to do to move Ion forward

30 second update

- Some progress forward
 - New query ioctl
 - Delete some dead code
 - Thinking way too hard about caching
- Platform/devicetree support probably needs to be reverted
- Sloooooooooooooooooow progress towards fundamental problems

But why are we stuck?

- Ion as kernel API vs. Ion as stack
 - Caching is example
- No one really working full time
- No real 'reference platform'
 - Most Ion interest is in commercial devices, not upstream

Let's give up

Okay not actually give up

Let's try a new approach

- Ion as self-contained framework doesn't work
 - Ion is not binder
- No new features, bug fixes only
 - Still take style fixes
- Think about userspace as well
 - Problems from userspace trickle down into the kernel
- Moving Ion out of staging is not a goal in itself
 - We want a workable framework

XDC brought up device allocation

- Other people are interested in similar problems
 - Ion/gralloc are explicitly mentioned there
- Discussion and prototyping should happen there
- Take the lessons from Ion to that project
- <https://github.com/cubanismo/allocator>
- Development should work towards the assumption that this will replace Ion