Ion@LPC2017

Laura Abbott (labbott@redhat.com)

What happened?

- Ripped out a bunch of code and simplified things
- New allocation interface and ABI
- Patches are pending for update to AOSP
  - Thanks John and Sumit!

Why is Ion still in staging - A B I

- No really, it is frozen once it goes out of staging so let's get it right
- Interest in going from /dev/ion -> /dev/heap1, /dev/heap2
  - Opinions?
  - Does anyone want to contribute patches for this?
- Carveout and chunk heaps still don't have DT integration
  - I still want to delete these heaps but people keep saying they use them
  - Does anyone want to contribute patches for this?
- Other heaps?

Any other discussion?

liion

- Currently exists as an AOSP git repo
- Similar to what libdrm provides
- What about people outside of AOSP who want to use Ion?
- Options
  - liion moves out of AOSP with help of Google
  - AOSP gets own copy of liion, separate library for other uses
  - Integration with libdrm or other framework
  - ???????

Testing

- kselftest integration
- Allocation/free easy to test
- In kernel mapping APIs harder to test
- This is roughly a dma-buf test?