Android patches in Staging
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Recent Progress

148 patches to drivers/staging/android/ since plumbers last year
   41 files changed, 1212 insertions(+), 2984 deletions(-)

Android Sync has been de-staged! (Thanks to Gustavo Padovan)

Timed output/Timed GPIO removed! (Thanks to Rob Herring)

Lots of work on ION driver (Laura Abbott being top contributor there)

Nothing new added this year
Remaining drivers

Ashmem
- Upstreaming efforts stalled
- Memfd closely matches basic usage
- Still need memory unpinning feature

Ion
- [See Laura’s session later today]

Lowmemorykiller
- Mempressure notifiers upstream, supported in AOSP via ulmkd
- Unfortunately per-process memory usage (ie: who to kill) is hard to calculate efficiently in userspace, causing ulmkd performance to not match in-kernel lmk
- Transition has stalled
Questions to think about

What to do about ashmem?
- Add shrinker based memory unpinning IOCTL to tmpfs?
- Just merge it as is, ala binder?

Should we push Google Android developers to continue using staging?
- Sdcardfs
- Uid-cputime
- memory_state_time
Thanks!

Questions?
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