SAILING INTO PORTING WITH SONY OPEN DEVICES

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OUTLINE

Intro

Sony AOSP

Sony AOSP porting compare to X?

Sailfish OS Community ports for Sony Xperia devices

Questions and ressources
About me

- Software engineer at Jolla
- I’m quite flexible, I work in quite many areas all over the place
- Mostly system-engineering, hardware adaptations related task
- Organize community infra, other community work
WHY CHOOSE SONY AOSP

- structure
- open communication
- long life time
CONTRIBUTING TO SONY AOSP

- Easy to start with
- Requires only a device and a Linux computer
- Some programming skills
- Just follow their docs
HOW JOLLA CONTRIBUTES TO SONY AOSP

- Midrange Sony’s as reference port
- Focus on refining our target devices hal
- Frequent general contributions
WHY ANOTHER HYBRIS PORT, WHAT ABOUT MAINLINE?

- Hybris ports are easier to get doing → more things can be reused
- Sony’s hal is good and open
- Short vs. long time goals
- Downstream kernels vs. mainline kernel plus user land driver parts
MAINLINE PORTING

- Mainline ports are a lot "cleaner" but require more effort
- For mainline an establish port such as PinePhone or SDM845 ports can be a good start
- Another example case would be Sailfish OS on KVM
REUSING EXISTING PROCESSES

- OTA infrastructure as used by Jolla ports
- Repository infrastructure
- Easier to stay up to date
- Other existing structures can be reinvented for community ports
- Can be reused in mainline somewhat
PROJECT MANAGEMENT

- Issue tracking, take example of Jolla issue tracking
- See how the Sailfish OS docs can be used
- Document things that diverge, if need adjust official documentation

Releasing

- Dnf repodiff generates changelogs from bugtracker
- Manual changelog in addition for each release to make things less complex
- Proper issue tracking, diagnosing and writing diary can save a lot of time
Sometimes things don’t work exactly on the Community obs
A few scripts work around that such as when building droid-hal packages
Easier less potential errors but can take more time
QUESTIONS AND RESOURCES


https://docs.sailfishos.org/Develop/HW_Adaptation/Sailfish_X_Xperia_Android_11_Build_and_Flash/.


I list Postmarketos as reference here, no Sailfish OS port exists right now.


