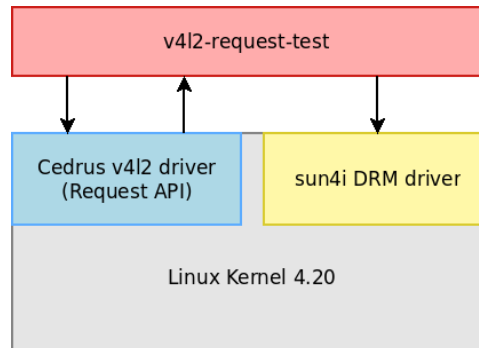
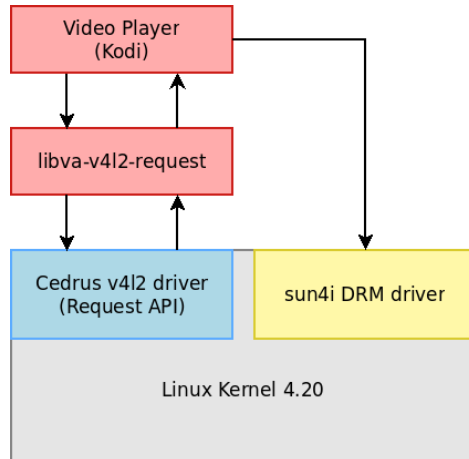




Hardware Video Codec Support on Allwinner SoCs

Maxime Ripard, Bootlin

What is demonstrated



What was improved

Based on reverse-engineering done by the cedrus effort, and funded through a Kickstarter campaign

Bootlin developed and upstreamed in the Linux Kernel:

- Base driver
- MPEG2 Codec
- H264 Codec
- H265 Codec

But also:

- Userspace test program
- Libva implementation
- Kodi support (not merged yet)

Source code or detail technical information availability

<https://git.kernel.org>

<https://bootlin.com/blog/tag/vpu>

Hardware Information

Allwinner A33 board running Kodi, with a mainline kernel