VIRTIO progress in AGL Lucky Lamprey

OPENSYNERGY

PUBLIC

Kooky Koi virtio devices

- block device
- console
- display and GPU
- input
- network
- random number generator
- vsock

AGL virtio-aarch64 machine
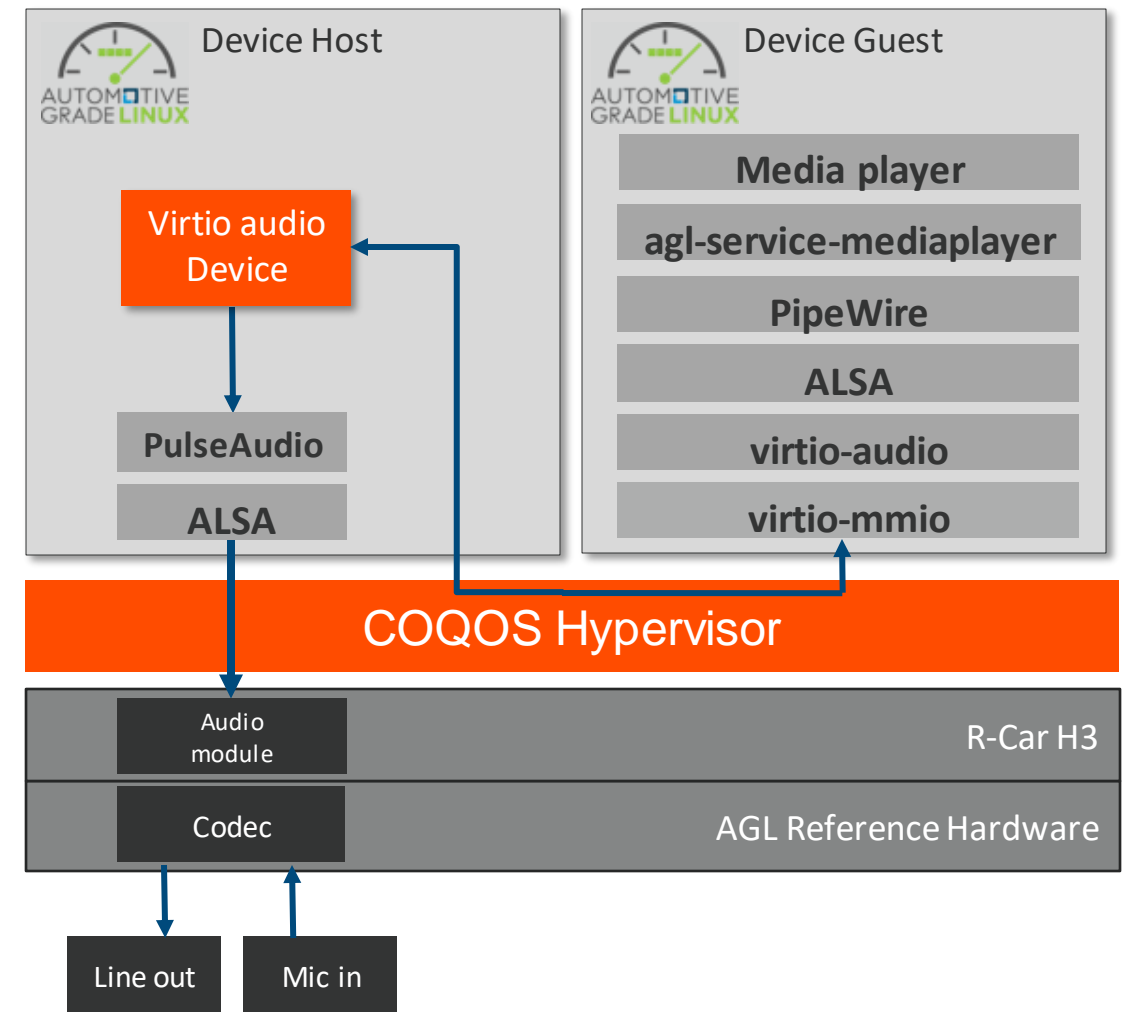
COQOS Hypervisor

AGL Reference Hardware

AGL Lucky Lamprey

New feature in existing virtio devices:

- multitouch support in virtio-input

New virtio devices:

- sound card

AGL Magic Marlin planned virtio devices

SCMI - System Control and Management Interface

Support virtualizing:

- regulators

- clocks

- reset controller

- sensors

Use case example in case of AGL Reference Hardware:

- ASM330LHH IMU is virtualized via SCMI as scmi.iio.accel and scmi.iio.gyro

Discussion

1. Currently agl-cluster-demo-platform does not use sound. Are there plans to use sound in this image?

2. What is voice item in IVI demo settings?

3. How to change volume in IVI?

4. How to showcase audio capture: Amazon Alexa?

5. At the moment 3.5 jacks used, how to use Audio connector?

6. More advanced audio use cases: ADSP, BT audio?

7. Use case for accelerometer and gyroscope in AGL.

8. Demo application for accelerometer and gyroscope: how to make mockup?

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