Hypervisor Workshop Schedule at Munich AMM 2019

Schedule used at GENIVI 19th All Member Meeting ~ Munich

⭐ Complete minutes – further down the page!

Schedule
(Topic name & Responsible & Timeslot)

Presentations can be found at **TBD** – look for the Hypervisor Session

Thursday 16 May, 14:30 - 16:30 (or slightly earlier)

- Kai Lampka: OS-integration with VIRTIO - (protocol usage without Hypervisor)
    - 10 minutes + 10/15 minutes discussion

20 minutes

- Matti: Audio virtualisation - update on our VIRTIO proposal, and discussion
    - Virtual audio use cases and constraints
    - Design Options and choices
    - VIRTIO-snd design and protocol
    - Demo video

15 minutes + 5 Q&A

- Dmitry: Video (codecs and camera) - present and talk about it
    - Virtual video use cases
    - Design Options and choices
    - VIRTIO-video design
    - Challenges

15 minutes + 5 Q&A

40 minutes

- Artem: 1) Xen-PV as option to VIRTIO protocol – discuss
    - 15 minutes + 5 minutes Q&A

  2) Native TrustZone access for guests, including our recent OPTEE changes
  (Matti requests also this) ⚠️ Is this not presented in main Xen presentation? Maybe only needs the discussion to be done here?

    - Quick demo 10 minutes + 5 minutes discussion
- Total: 35 minutes

- SCMI - presentation and discussion from ARM representatives.
    - Presented by Thanu and Souvlik from ARM Cambridge office
    - Power management, frequency scaling, voltage scaling, etc.
    - - discuss future additional access and privilege rights of guests.
    - 15 minutes + 10 minute discussion

25 minutes

20 + 40 + 35 + 25 = 120 minutes.

BACKUP TOPICS

- **General discussion: How can reliability & safety be quantified?**
- **System design to optimize Boot Time,**
- **Boot requirements, e.g. secure boot, integrity check,**
- **System design and working with HVs from users/system integrator's perspective.**
- **Analysis tools for virtualized systems**
- **Performance impacts and comparisons**
- **Defining next steps in Hypervisor Project.**
- **Agreement on Terms / Nomenclature?**

Minutes from Hypervisor Workshop at AMM Munich May 2019

⭐ The presented material (slides) can be found at **TBD** – look for the Hypervisor Session