The AGL Software Defined Vehicle (SDV) Expert Group (SDV-EG) (formerly known as Virtualization and Containers Expert Group (EG-VIRT)) is responsible to design and implement virtualization solutions for AGL. Containers, Hypervisors (both based on Virtualization Extensions and TrustZone) and any other virtualization solution for x86/ARM are considered to be of interest for this Expert Group. The AGL Unified Code Base (UCB) supports the KVM hypervisor on the Renesas RCar M3 platform.

The SDV-VIRT expert group has been focused on defining the Virtualization platform architecture of AGL since 2018. One result of the work is this whitepaper. In 2020 the Expert Group began to focus on making VirtIO available for AGL and various open source hypervisors. In Feb 2023 the Containers and Mesh EG was merged into Virtualization EG and the new group was renamed the Software Defined Vehicle Expert Group. The legacy Container and Mesh Confluence page can be found here.

For more information about the technical objectives, members involved and target events see the specific section below.

Members

- Jerry Zhao - Panasonic - Expert Group Lead
- Michele Paolino - Virtual Open Systems - m.paolino@virtualopensystems.com
- Scott Murray - Konsulko
- Naoto Yamaguchi - Aisin
- Kazuki Kuzu - Panasonic
- Timos Ampelikos - Virtual Open Systems

The discussions of this EG are done via the public AGL mailing list.

Meetings

Regular meetings are scheduled on biweekly on Tuesday. The upcoming schedule can be found on the AGL project calendar.

Join Zoom Meeting
https://zoom.us/j/855006400?pwd=OER2bGVaVvm91VhtKYM83Rk1hZTg2dz09

Meeting ID: 855 006 400
Passcode: 772184

Meetings agendas and reports can be found on here.