



ANDROID™ AUTOMOTIVE SIG

All-Hands – 28 April 2020



Android Automotive SIG – Topics for today



- VHAL / Vehicle Data APIs
- Audio HAL
- Spring Virtual Technical Summit

- Reminder
 - AASIG “All-hands” calls : monthly report delivered on last Tuesday of each month at 5pm CET
 - Minutes: <https://at.projects.genivi.org/wiki/x/SIFoAg>
 - Vehicle HAL project calls: every week on Tuesday at 5pm CET
 - Minutes: <https://at.projects.genivi.org/wiki/x/HYVoAg>
 - Audio HAL project calls: every other week on Thursday at 11:30am CET
 - Minutes: <https://at.projects.genivi.org/wiki/x/ugDYAg>

VHAL / Vehicle Data APIs



External Data Server – Proof-of-Concept

- Work breakdown structure is [here](#), situation is getting better
- New observer: Jaguar Land Rover
- Active threads of work
 - Authentication service implementation
 - Authentication Service Java implementation in-progress, some parts are done and available
 - External Data Server implementation
 - VSS feeder development – kick off on 7 April
 - basic functionality is working i.e. retrieving the values from simulator and storing them in a very basic database
 - Data server: Publishing of graphql comprehensive example done
 - Several low-hanging fruit kind of activities identified, call for volunteers !!

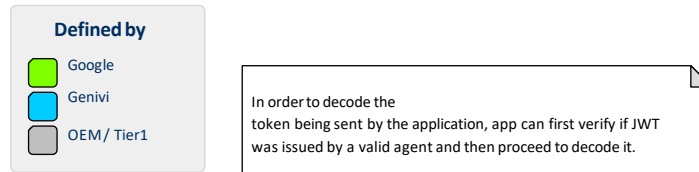
- Authentication service

- https://github.com/stefanwyssocki/aasig_dev_platform/tree/develop/vendor/genivi/modules/VssAuthenticationService

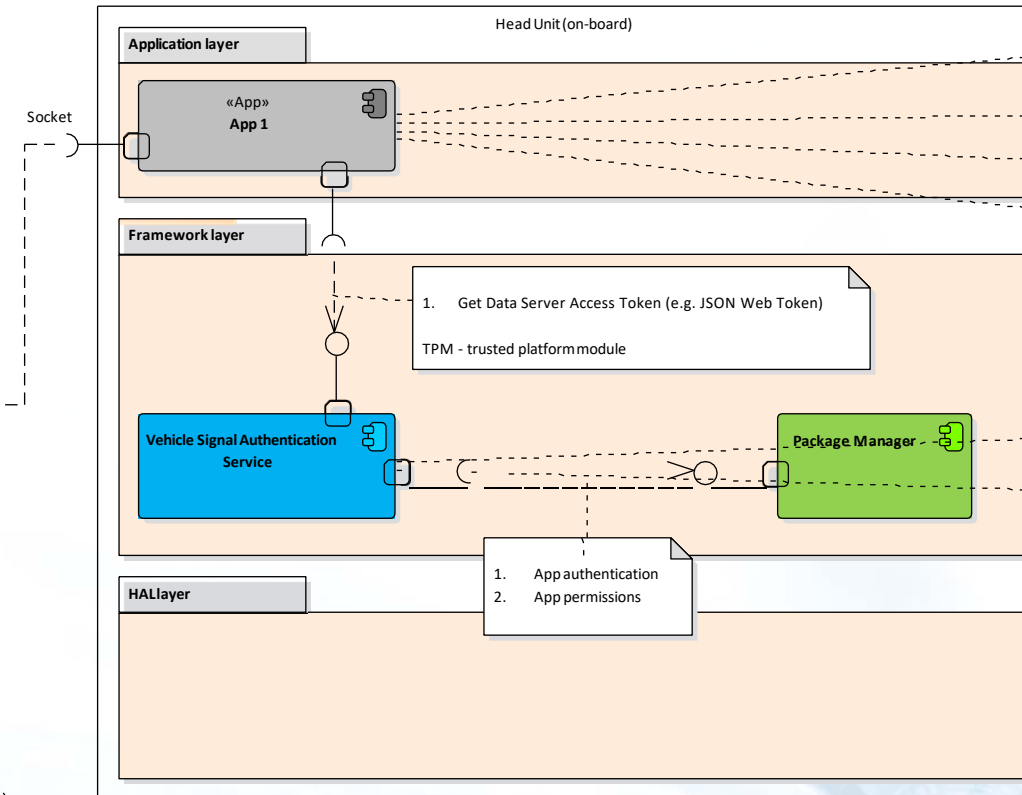
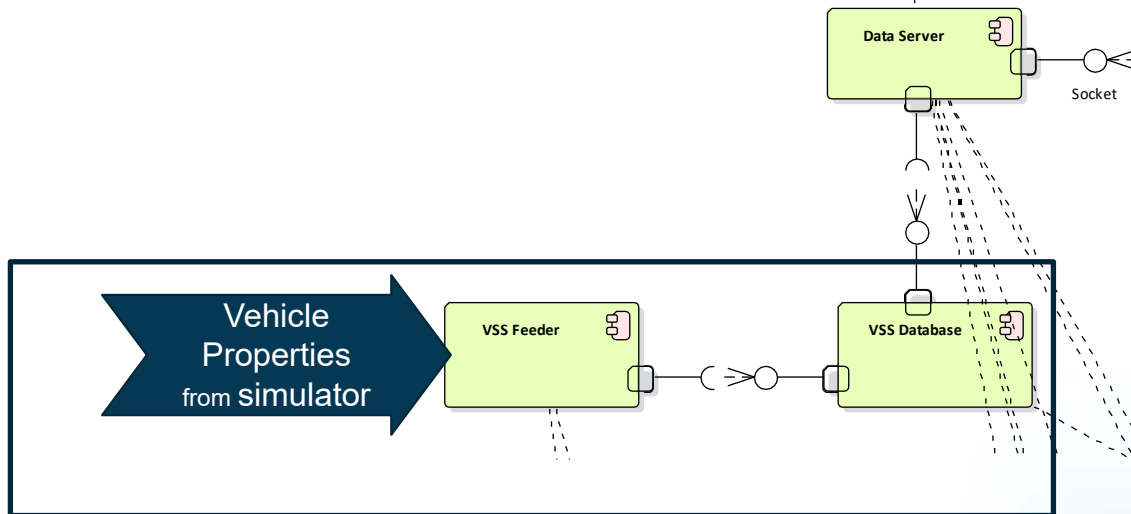
- External Data Server

- VSS feeder - <https://github.com/GENIVI/vss-feeder>
- Data server - <https://github.com/GENIVI/vss-graphql>

VHAL / Vehicle Data APIs



Virtual ECU (same / different ECU)

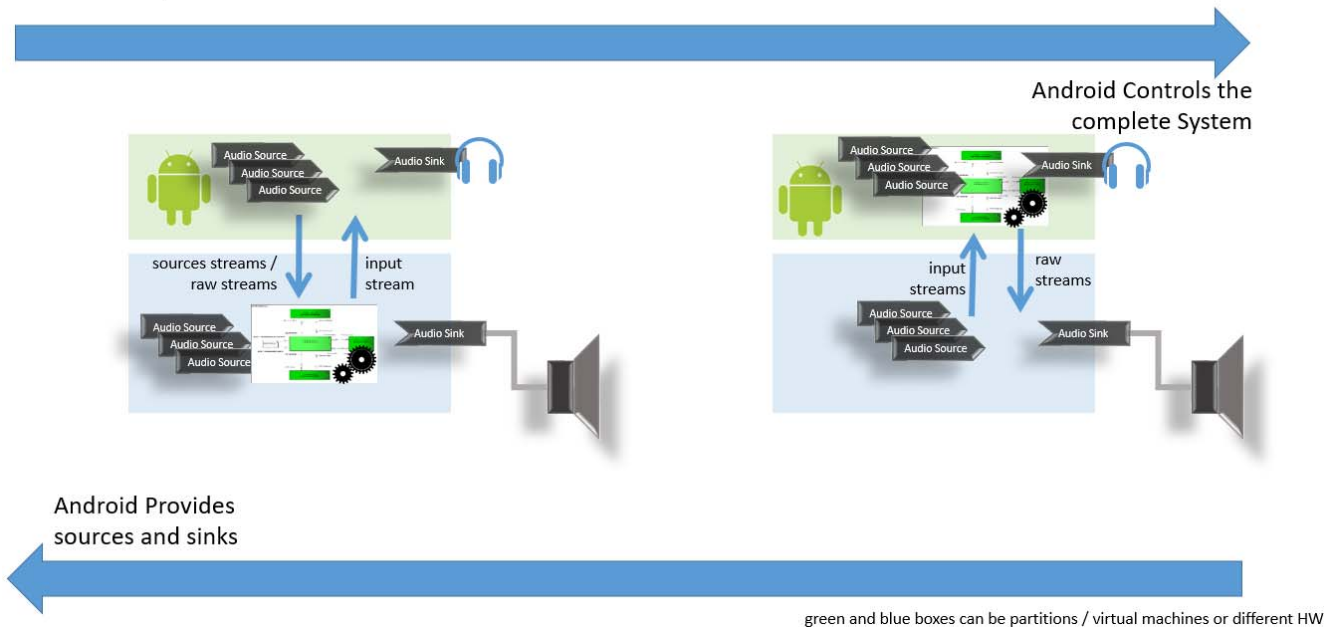


Audio HAL

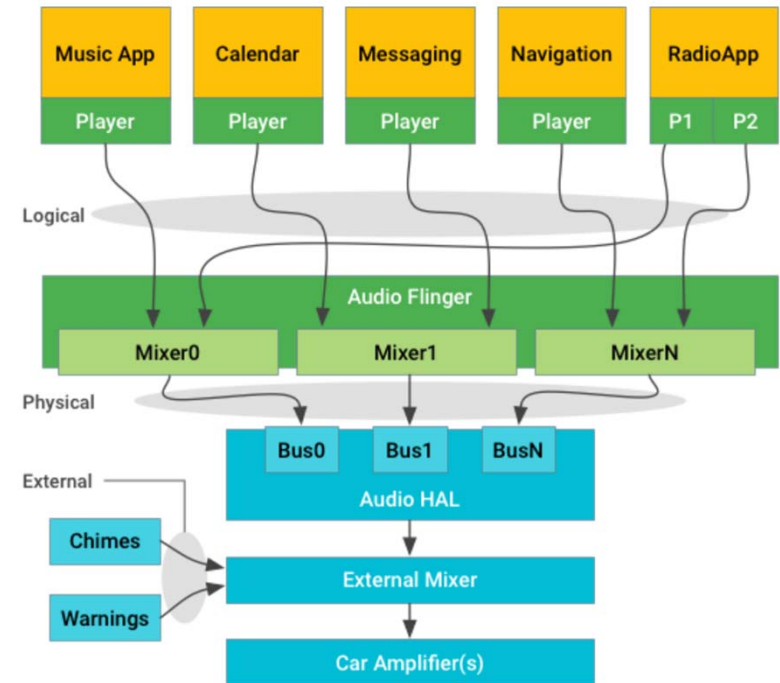
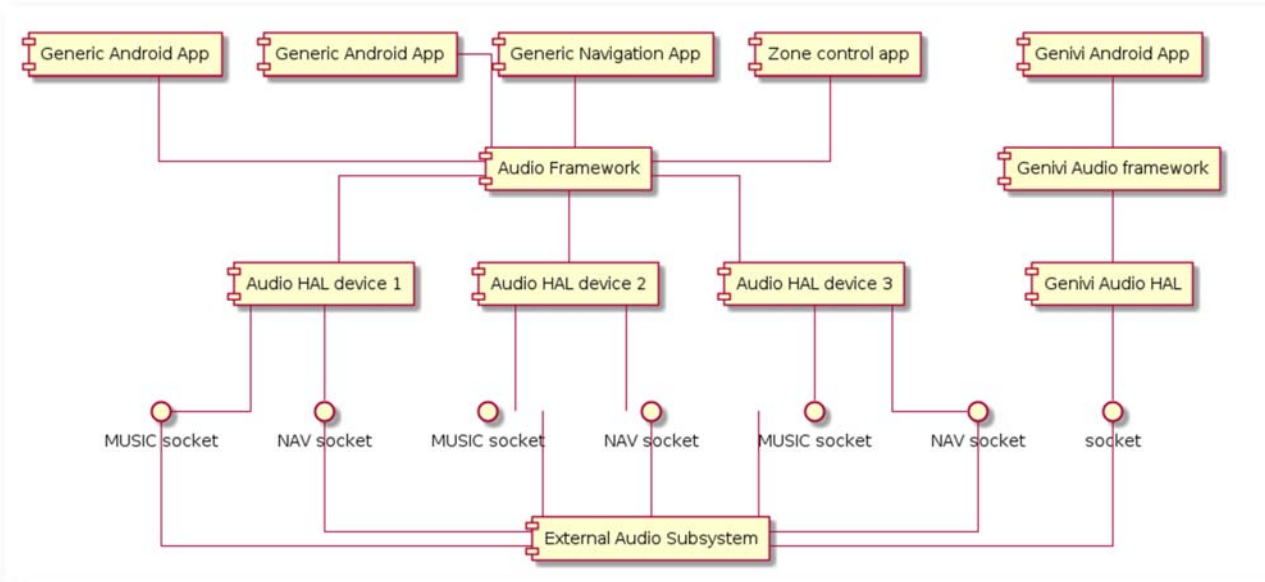
- Team is active and becoming autonomous.
- Main thread of work - How to Control a Car Audio System with Android
 - Wiki page: [Android & System Level Audio](#)
 - 1st proof-of-concept implementation started - Getting raw streams out of Android



2 Options



Audio HAL - Proof Of Concept - Getting Raw Streams



AASIG - Proof-Of-Concept Roadmap



Roadmap

- Milestone 1 - Spring Virtual Tech Summit (12-14 May)
 - Agenda for both AASIG VHAL & Audio HAL workshops
 - Status report and DEMOs
 - Proof-of-concept feature content planning
 - Technical readiness, discussion on when and how to reaching out Google
- Milestone 2 - Internal Milestone (early Q3 - July)
- Milestone 3 - Fall AMM (Q4 – end of October)
- Milestone 4 - CES 2021 (early January 2021)

GENIVI Spring Virtual Technical Summit



- Virtual Technical Summit, 12-14 May
 - Registration site is [here](#)
 - All times are CET
- 12 May afternoon
 - GENIVI State of The Union
 - Forward-looking
 - Common Vehicle Interface Initiative
 - Cockpit Integration
- 13 May morning
 - Automated Testing, a Collaborative Approach for the Industry
- 13 May afternoon
 - AASIG – Vehicle Data APIs / Vehicle HAL
- 13 May late afternoon
 - Security – ISO 21434 in practice
- 14 May morning
 - AASIG - Audio HAL
- 14 May afternoon
 - Cloud & Connected Services
 - Communication Framework
- Cybersecurity
 - Security - ISO-21434 in practice

Thank you!

Visit GENIVI:

<http://www.genivi.org>

<http://projects.genivi.org>

Contact us:

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