



ANDROID™ AUTOMOTIVE SIG

All-Hands – 28 July 2020





Vehicle Data APIs / VHAL Report

Android Automotive SIG - Vehicle Data APIs - VHAL – Report

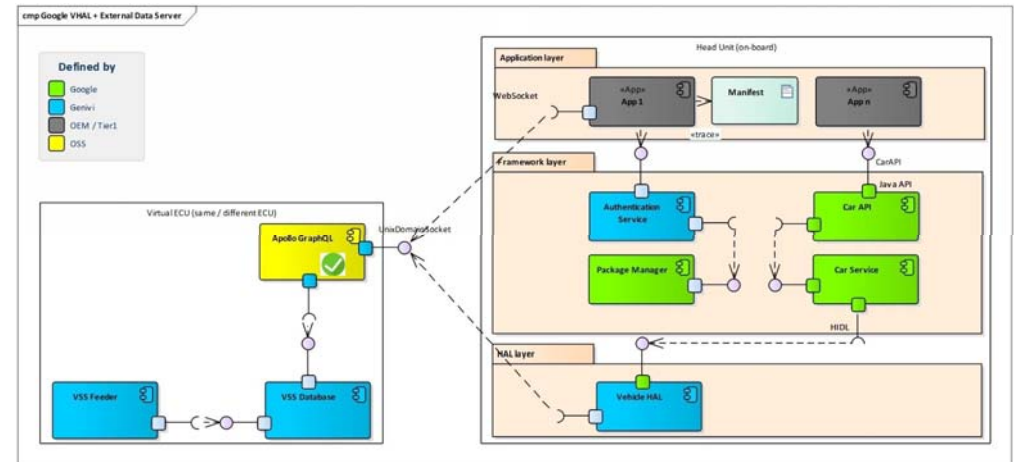


External Data Server Proof-of-Concept

- Implementation in-progress
 - Authentication Service implementation
 - Sources: https://github.com/stefanwsocki/aasig_dev_platform/tree/develop/vendor/genivi/modules/VssAuthenticationService
 - External Data Server implementation
 - **Data server**
 - Sources: <https://github.com/GENIVI/vss-graphql>
 - **VSS feeder**
 - Sources: <https://github.com/GENIVI/vss-feeder>
- “Milestone 2” demonstration available
 - [video](#)
 - Demo sources
 - https://github.com/stefanwsocki/aasig_dev_platform/tree/graphql-fuel-query
 - TODOs: look at the minutes of the 21 July weekly meeting at: <https://at.projects.genivi.org/wiki/x/HYVoAg>

REMINDER

- Several low-hanging fruit activities identified - call for volunteers !! Please contact the team



Android Automotive SIG - Vehicle Data APIs - VHAL – Report



- Team participants: BMW, Daimler, TietoEVERY, Bosch, EPAM, Melco
 - Milestone 2 demo was completed by the team “champion”
 - Work would benefit from more participation in the implementation activities
 - e.g. the review of pull requests would be helpful
- Following milestone (Fall AMM – end of October) will address
 - Enriched feature content for the proof-of-concept
 - Discussion on how to affect the standard Android development
 - Possible topics
 - VSS as a complement to Google Vehicle Properties – “beyond GAS”
 - Access to vehicle data via GraphQL instead of Key Value pairs

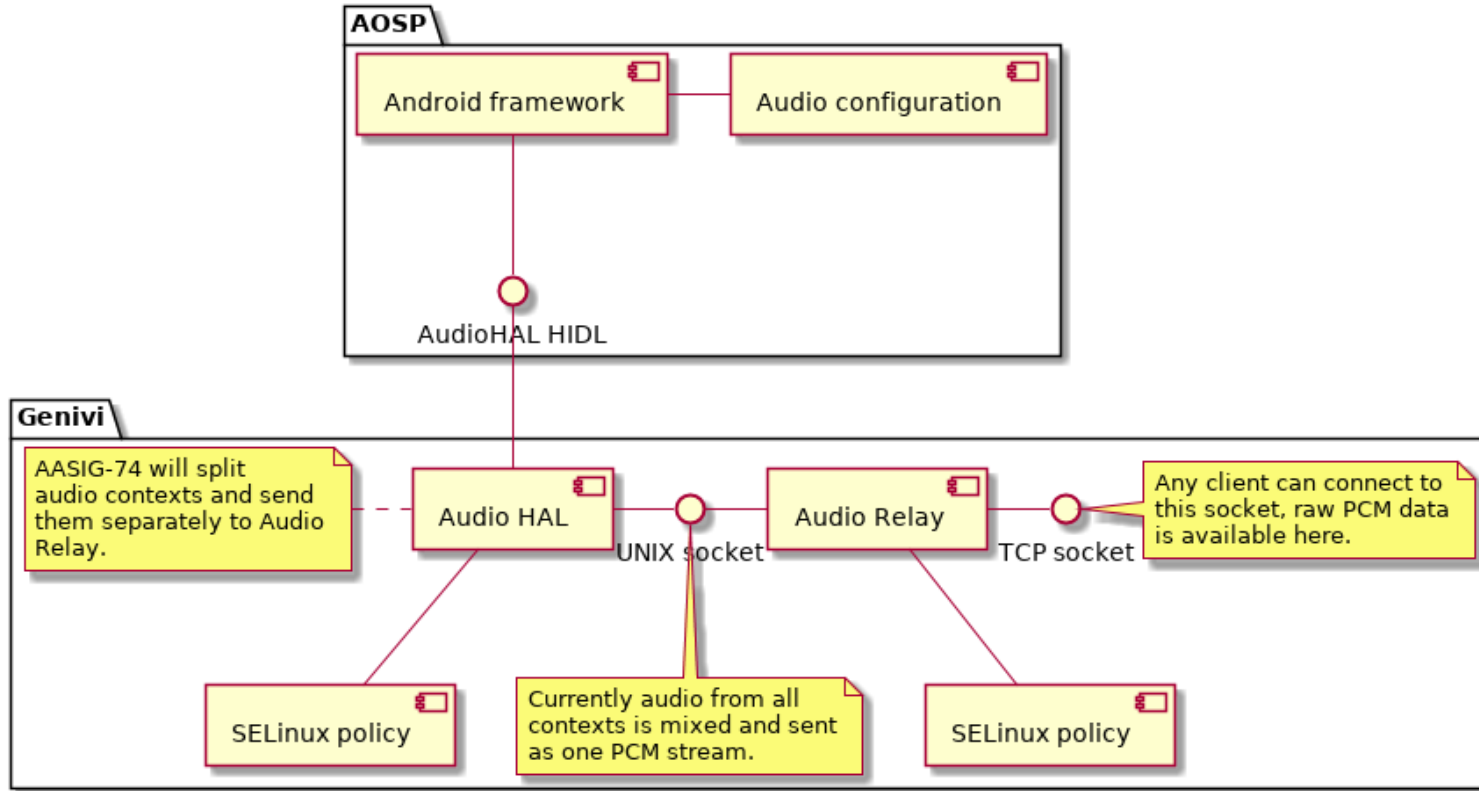


Audio HAL Report



Android Automotive SIG – Audio HAL – Report

- Proof-of-concept – Components Overview



- PoC github repo : <https://github.com/GENIVI/android-external-audio-mixing>
- Status report is at: <https://at.projects.genivi.org/wiki/x/vwBsAw>

Android Automotive SIG – Audio HAL – Report



- Team participants: BMW, Mobis, TietoEVERY, EPAM, Bosch, Analog Devices
 - Milestone 2 demo is in-progress thanks to the team “champion”
 - first goal "extract audio stream from Android" is achieved
 - next step is to be able to listen to this audio stream on a remote machine with different zones
 - Demo is not on real hardware yet
 - it would be good that some participating companies consider buying real hardware with audio capabilities
 - Work would benefit from more participation in the implementation activities
- Following milestone (Fall AMM – end of October) will address
 - Enriched feature content for the proof-of-concept
 - The topic of interaction with an external amplifier, stream extraction, injection, control, does not require any specific HW, this is an advantage somehow because the topic is not customized to any specific HW.
 - the topic that will need a HW is offloading
 - Discussion on how to affect the standard Android development

Other project updates & opportunities



- Common Vehicle Interface Initiative - CVII
 - “much beyond GAS”
 - Automotive OEMs roundtable was scheduled on 16 July and went out very well
 - Jointly organized by W3C & GENIVI
 - Participants: BMW, Ford, GM, Jaguar Land Rover, PSA, Renault, SAIC, Toyota, Volvo Cars
 - BMW, Ford, JLR explained why the CVII initiative is important
 - Gunnar (GENIVI development lead) presented the “what”
 - Vehicle Data Modeling (VSS) & Vehicle Service Catalog (VSC)
 - Next step in first half of August: new call between BMW, Ford, JLR and Volvo Cars to discuss the “how”
- Fall GENIVI AMM / technical summit
 - Content planning has started
 - Dates: 26-30 October
 - Day 1: thought leadership and market trends
 - Day 2-5: project working sessions

Thank you!

Visit GENIVI:

<http://www.genivi.org>

<http://projects.genivi.org>

Contact us:

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