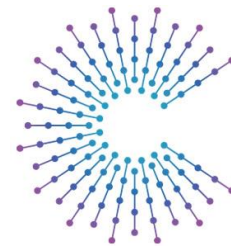


AOSP Data Workstream Kickoff

Stefan Wysocki, Tietoevry (stefan.wysocki@tietoevry.com)

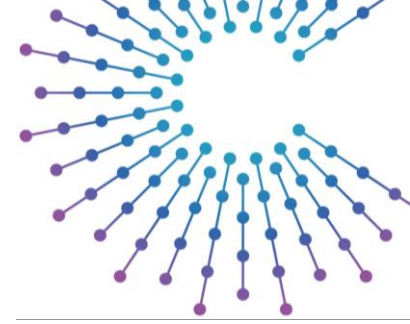
23rd of January 2025



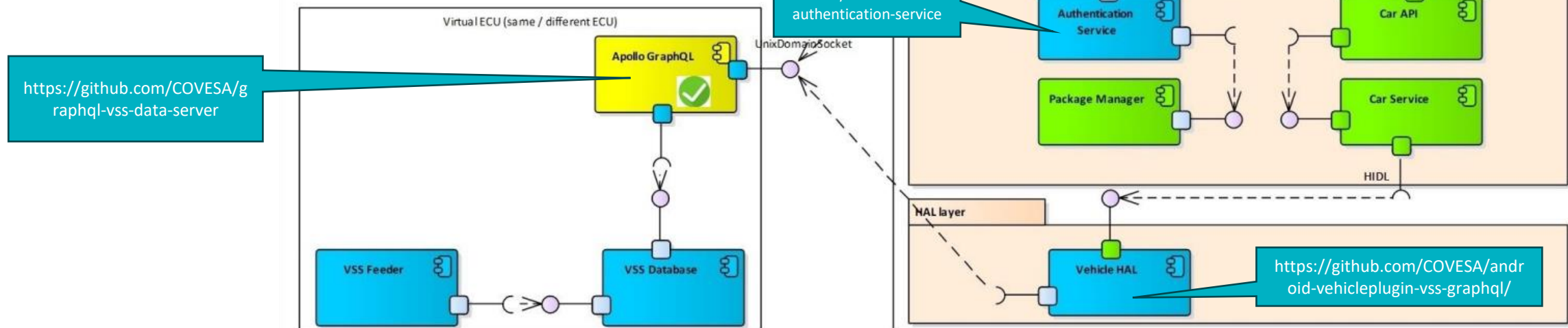
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Previous challenges and achievements

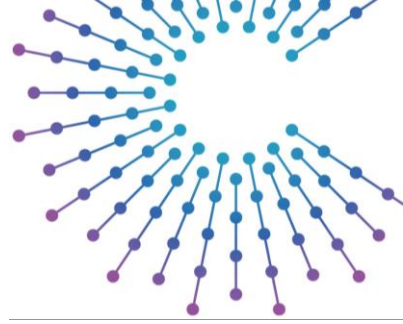
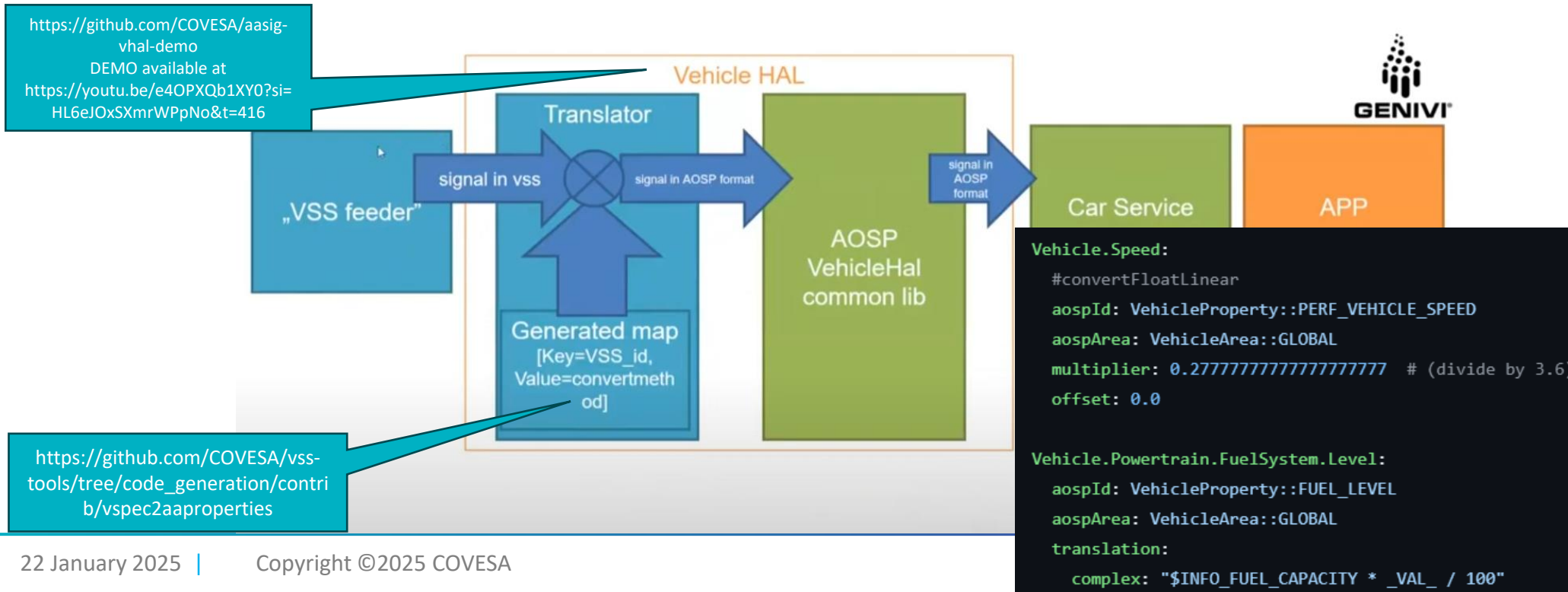


- External Data Server Framework
 - Alternative way than proposed AOSP via CarAPI
 - graphql query instead of .get(key, value) -> **only partially challenged** -> <https://www.youtube.com/watch?v=7uO-WyMIELO>
<https://www.youtube.com/watch?v=E27LA43FIDw>
 - Direct connection from APP to EDS via websocket
 - Authorization via JWT generated by system component
 - JWT included permissions enforced by Android PackageManager



Previous challenges and achievements

- Mapping VSS to Android Properties
 - Mapping of some properties (probably obsolete) available:
<https://wiki.covesa.global/download/attachments/12124756/AOSP-VSS-Mapping-v1.7.xlsx?version=1&modificationDate=1676939208750&api=v2>
 - Available for Android 12
 - Artifacts available at:
<https://wiki.covesa.global/display/MIG/VSS+to+AOSP+translation+-+WBS>



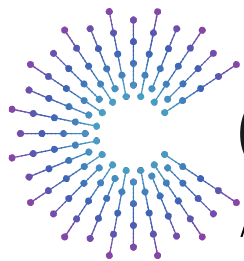
Possible work packages

Auth service + direct app connection+graphql

- Check if the env can be replicated
- Gather feedback about the solution

Vehicle HAL Translator

- Migrate to Android 14+ (VHAL AIDL based)
- More improvements to Generator
 - Two-way translation (currently only VSS->Android)
 - Enum support
 - MERGE WITH CURRENT VSS TOOLING
- Connection with Data Server:
 - KUKSA/VISSR/GraphQL Apollo?
 - Access control



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