

CVII Technology Stack -- pre-kickoff ideas page

Organizing input for which part of technology stack need to be

Existing technology activities

- **VISS v2 protocol development** (=web protocol for VSS data)
Tuesdays 2PM EST / 2000 CET, 1 hour, please see [W3C Automotive Working group](#) (contact Ted Guild)
- **Vehicle Service Catalog (VSC) & RPC protocol development**
Bi-weekly, Mondays 1PM EST / 1900 CET, 1 hour, please see [W3C Automotive Working group](#) (contact Ted Guild)
- **VSS / VSSo** meeting discusses tool development ([vss-tools](#) repository)
- **GENIVI Cloud & Connected Services** – see [project home page](#) for information – reference architecture [diagram](#)
- **Android Automotive SIG - Vehicle HAL topic** is somewhat related since it also investigates integration of the same standard data model (VSS) see [project home page](#) for information. – *powerpoint diagram*.

New technology (software) activities

- VSS to MQTT – define binary encoding, implement necessary code. [Initial analysis](#). – Tieto has experience.
- VSS to VSSo translator (VSS is the source of signal definitions). Other (non-VSSo) ontologies may link to/from VSSo however.
- VSS / SENSORiS alignment, does it need some tooling to move between one and the other? work on alignment track first.
- SOME/IP connection and/or DDS. Data (VSS) and Service (VSC) mapping needed. Look at AUTOSAR's Signal to Service mapping. (Status? Published?)
ARA:COM is the abstraction. It might be enough to map to this abstraction.

Specification and/or implementation focus?

Differing viewpoints:

- Code is most useful
- Specification is long-term useful for companies to refer to, or make alternative implementations

Priority List

Related information

- Vehicle Signal Specification (VSS) – [GitHub](#)
- Vehicle Service Catalog (VSC) – [GitHub](#)