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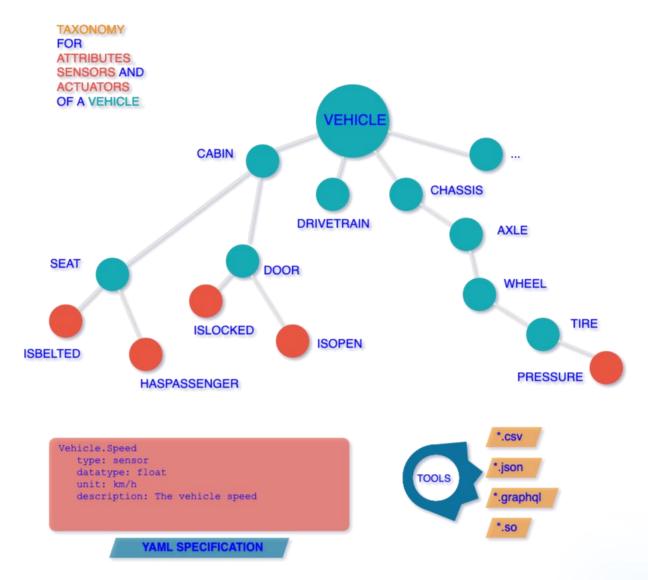
VSS 2.0 - Current Status & Next Steps

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Vehicle Signal Specification





VSS is...

- ... a domain taxonomy for vehicle signals
- ... specified in YAML
- ... independent of protocol and serialisation fromat
- ... supporting tooling for code generation or format conversion (JSON, GraphQL, ...)

VSS allows the industry to use a common naming schema and semantic for common vehicle signals across different layers in a protocol stack

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VSS 2.0 Release



ription: All seats. clude SingleSeat.vspec Seat-

- Long overdue, has finally been tagged
- "Vehicle" as root node, Attributes/Sensors/Attributes as leafs in tree (instead of top level elements)
- **Instantitation** (e.g. several seats/tires)
 - Defined as property of a branch
 - Expanded by tooling (no more copy & paste)
- Tooling moved to a separate repository
 - Tools for JSON, CSV and code generation for Go/C

Growing open ecosystem of open tools



VISS server in Go https://github.com/MEAE-GOT/W3C_VehicleSignalInterfaceImpl



KUKSA VISS server https://github.com/eclipse/kuksa.val/



Python VSS tooling https://github.com/XevoInc/vss

https://genivi.github.io/vehicle_signal_specification/

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The Road Ahead



- More steady releases (aim ~3 months)
- Version 2.0 focused on structure now we will focus on datapoints
 - New deprecation feature will help
- Layering & Deployment
 - Adding you own metadata
 - Merge models
 - Add deployment specific restrictions

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Thank you!

Contact W3C Transport and Automotive groups:

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Visit GENIVI:

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