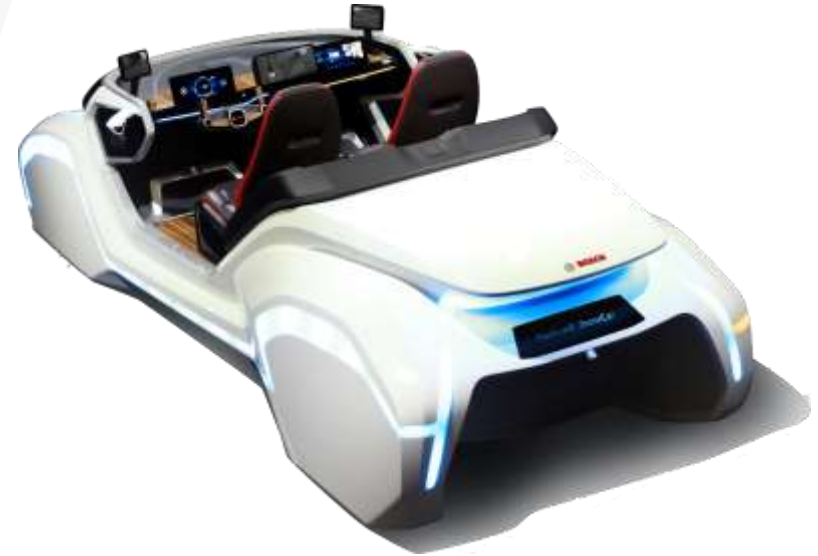


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Bosch Stack

CVII Working Session
GENIVI: 18.02.2021

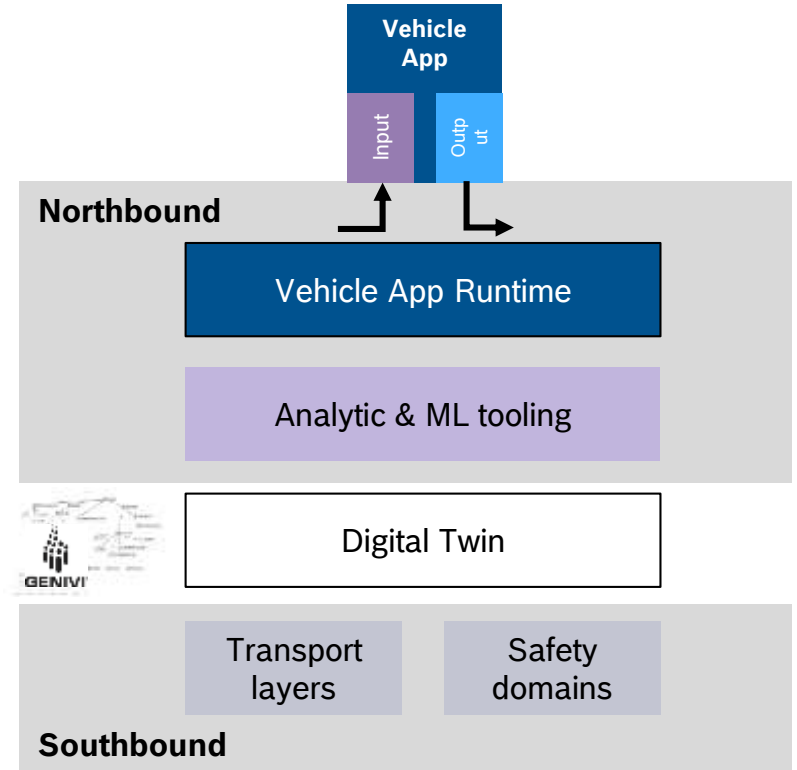


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Recap: VAPP in a nutshell

Vehicle Application Plugin Platform (VAPP)¹ is an **open**², responsive, lightweight, vehicle-2-X **Complex-Event-Processing** & **agent-network** (Vehicle App) runtime

- **Flexible integration** for
 - common vehicle interface
 - transport layers (e.g. CAN, DDS³, SOME:IP³),
 - computing units & safety domains (e.g. Safety: QNX, QM: Apertis Linux) and,
 - freely deployable on environments like cloud provider.
- **Programming language agnostic** (SDKs for NodeJS, Python, C++⁴)
- **Flexible “vehicle app” orchestration** via event driven programming approach
- Flexible **analytic and machine learning** support
- Flexible **tooling** support e.g. **Visual Studio Code** & NodeRed



¹ in active development, not finished all quality gate processes, ²we strive to make it publicly available, ³via C++ SDK and respective libraries, ⁴ currently not fully covers the richness as the NodeJS and Python SDKs

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Northbound Components

