

Recent Deliverables

Technology Briefs and Whitepapers

Android(TM) Automotive SIG Outputs

VHAL Architectural Concepts

The GENIVI Android Automotive SIG project has elaborated a couple of Vehicle Hardware Abstraction Level [architectural concepts](#) that support the capturing of the vehicle data requested by Google and the extended vehicle data requested by the OEMs.

GAS Alternate Suppliers Market Analysis

The GENIVI Android Automotive SIG project performed a [market analysis](#) of the alternatives and extensions to the Google Automotive Services (GAS) offering

Cloud & Connected Services Project Output

Vehicle Data Models - Overview and Gap Analysis

To receive full benefit from vehicle data, the industry needs to align on a standard data model and common approach for moving vehicle data to/from the back-end cloud. Step one in this essential model alignment is to understand existing approaches and the gaps present in them. GENIVI recently published a "[Vehicle Data Models - Overview and Gap Analysis](#)" that provides readers important information for the future data-oriented strategies of OEMs and their suppliers.

Multi-OS Integration Project Outputs

Automotive Virtualization Specification

The Hypervisor Project released its first Vehicle [Virtualization Specification](#) for broader review.

Virtualization is finding its way into the vehicle but bringing with it proprietary implementations that require vendor lock-in. GENIVI has consolidated input from several hypervisor vendors to produce a more standard automotive virtualization approach by specifying the Automotive Virtual Platform Specification, which could serve the industry as a standard for future virtualization deployment. The first beta release of the specification is now [released for wider review](#).

FARACON Tooling

With a growing trend toward a centralized cockpit, historical in-vehicle operating systems and software must now be integrated. GENIVI funded and has made available a production quality tool that performs translation between AUTOSAR interface descriptions and descriptions of other systems defined with a promising technology called Franca. The tool produces bi-directional translations resulting in more rapid integration of AUTOSAR and non-AUTOSAR solutions like Linux.

Go to the GENIVI Github repo for the [code](#)

Why FARACON ? look [here](#)

How to use the FARACON tool ? look [here](#)

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