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 date 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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