COVESA Spotlight Sessions

COVESA Spotlight is a series where member organizations from the COVESA Community present their use/implementation of COVESA's Vehicle Signal Specification answering the following questions:

- Why VSS was used? / The value of using VSS?
- How VSS was used?
- What could be improved in VSS?

Upcoming Sessions

Date	Title and Abstract	ICS File	Presentation	Video Recording
14-March-2024	RemotiveLabs is one of our startup members at COVESA and is recognized as a change-maker in software-defined vehicles with their open platform challenging the legacy locked-in options. Join this webinar for knowledge and access to a limited free version of RemotiveCloud to create your custom signals: • Hands-on demos on how their tooling caters to emitting VSS signals (and Android Properties) using interactive LUA scripting using CLI. • Work on data streamed from available drive cycles & create custom signals using RemotiveLabs tooling.	COVESA Spotlight on VSS - RemotiveLabs.ics		

Previous Sessions

Date	Title and Abstract	Presentation	Video Recording
19-September-2023	blocked URL This month member company BlackBerry will present BlackBerry IVY's use of signal abstraction through COVESA's Vehicle Signal Specification to enable automakers and their partners to innovate more effectively by enabling processing of vehicle data with or without ML inference at the edge to create insights that can offer new end user services or experiences, thus opening the door to vehicle data monetization while preserving privacy. Presenters from BlackBerry: • Name: Jasmin Mulaosmanovic • Job Title: Senior Director, Product Management • Email: jmulaosmanovic@blackberry.com • Name: Pierre Pierre Blais • Job Title: Distinguished Software Architect • Email: ppblais@blackberry.com	20230919_IVY_CO...HT_(Shared).pdf	Recording Password: Dmpf6mfM

| 2 - February - 2023 | **Using COVESA VehicleSignal Specification (VSS) to Accelerate Sonatus' Next Generation Vehicle Services**

Panelists from Sonatus:

• Yu Fang, Co-Founder and CTO
• John Heinlein, Ph.D., Chief Marketing Officer
• Sudhir Dhankhar, Director of Engineering - Cloud

Vehicles are undergoing an incredible period of transformation with many different aspects of vehicles changing at the same time. Software innovation underpins every aspect of this evolution and vehicle software is becoming more advanced and complex as vehicles shift towards becoming Software-Defined Vehicles (or SDV). Vehicles are also becoming more connected, with services and capabilities connected to, and benefiting from, the cloud. This flow of data improves the user experience and enables a wider array of innovations. The Connected Vehicle Systems Alliance (COVESA) is an important industry initiative that is working to bring standards to connected vehicles and promote the rapid development of these technologies. Sonatus is a member of COVESA and has adopted the Vehicle Signal Specification (VSS). In this webinar, we describe Sonatus' use of COVESA's VSS standard and how VSS is supporting the proliferation of Sonatus Vehicle Data Collector and Vehicle Automation Manager solutions. We describe the importance of common naming conventions and describe a range of benefits to OEMS and their ecosystem. | COVESA Spotlight - Sonatus Feb 2023.pdf | |

| 21 - March - 2023 | **How Data Distribution Service (DDS) enhances VSS with a secure, full-stack end-to-end real-time communication for Software-defined Vehicle**

The next-generation vehicle is evolving towards software-defined architectures. This requires new approaches, including the need of standard syntax and vehicle signals. The new software architectures provides major benefits to enable key functionalities, but could end heavily increasing the cost of integration. Providing a common architecture with standard communication models that can be shared across platforms and suppliers is critical to accelerating development and cost optimization for the complete supply chain. VSS aims to solve this problem and its impact will go beyond development. But could it be even more efficient? In RTI's view, the answer to that question resides in enabling data-centricity. The Data Distribution Service (DDS) standard defines a software communication specification both at the cloud and at the vehicle. Proven in production and ASIL D commercial implementations, DDS is ideal for building complex and evolving systems as well as supporting wide-area network (WAN) implementations, thus reducing both cost and time to market.

At this Spotlight RTI will present the reasons standardization of signals and data models are essential to enable the software-defined vehicle and why DDS is key for enhancing VSS implementations thanks to its unique capabilities. RTI will demonstrate how RTI Connext Drive demo supports VSS and provide certain suggestions about how to improve VSS.

Presenters' details:

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