SDV Usecases and Distros

Naci Dai

AGENDA SLIDE

Summary of the activities

What are the distros and usecases?

How can you get involved?

The future
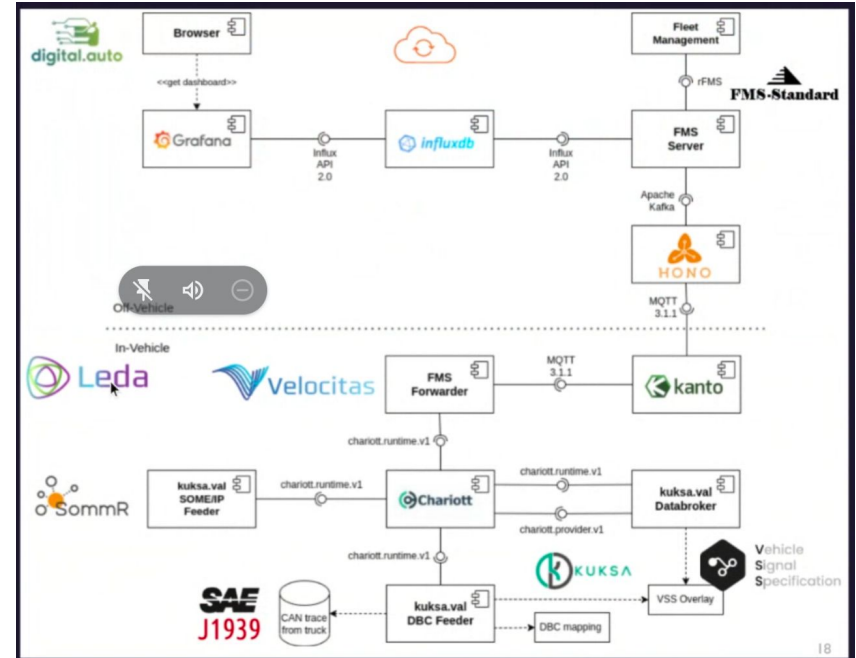
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What are the distros and usecases?

Show case "running" examples that demonstrate the capabilities and features of software provided by SDV projects

- **Define and Publish a set of SDV use-cases:**
  - The **capabilities** and **features** of software provided by SDV projects
  - Bottom-up: Explore potential **collaboration** and **integration** of SDV projects
  - Demonstrate **best-practices**
- **SDV Distro (s)**
  - Provide a set of SDV distros as SDV **starting points**
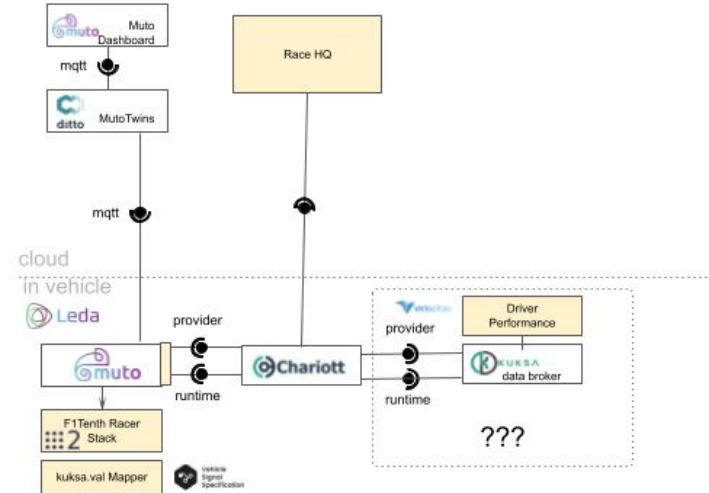 - Should be able to run with little **no-experience** with these technologies

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FMS – The Fleet Management Usecase

Summary	A close to "real-life" showcase for truck fleet management where trucks run SDV stacks so that logistics fleet operators can manage apps, data and services for a diverse set of vehicles.
Includes	Data collection from vehicle, In vehicle data brokers, VSS Signal Specification, FMS servers, Apps and Services using this data
Projects	Eclipse Leda, Eclipse Velocitas, Eclipse Kuksa.val, Eclipse SommR (?), Eclipse Charriot
Other Tech	InfluxDB, Prometheus, VSS, Eclipse Hono, Eclipse Kanto, Digital.Auto, Eclipse Sumo
Coordinator	Kai Hudalla

ROS – The ROS Racer Usecase

Summary	A ROS based showcase where autonomous racers that run F1Tenth stacks that are orchestrated and managed by SDV
Includes	Orchestration of ros software on racers and data collection from vehicles, providing remote control, race Apps and Services using SDV stacks
Projects	Eclipse Muto, Eclipse Leda, Eclipse Charriot, (Eclipse Kuksa?, Eclipse Velocitas?)
Other Tech	OSRF ROS2, Eclipse Kanto, Eclipse Ditto
Coordinator	Naci Dai

How can you get Involved?

- Open Invitation to all current and future SDV Projects

- Regular meetings (monthly?)
  - Slack channel #sdv-distro-usecases (https://sdvworkinggroup.slack.com/archives/C04KK7LC3QD)

- Join us for @ community event collaboration session

https://gitlab.eclipse.org/eclipse-wg/sdv-wg/sdv-technical-alignment/sdv-technical-topics/sdv-distro-usecases

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The Future

- A team of "over-seers"
    - Natural membership of SDV project teams
    - Regular meetings
- Uses cases are published and maintained
    - Online documents as "quick starts" at the SDV website
    - Public binary distributions
    - Public Github repositories
        - continuous updates and extensions
        - new capabilities and potentially new projects
- New use cases and distros will be defined
    - Exciting new projects and technologies that shape the future of SDV

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THANK YOU!