SDV Usecases and Distros

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AGENDA SLIDE

- Summary of the activities
- What are the distros and usecases?
- How can you get involved?
- The future
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
# FMS - The Fleet Management Use-case

| **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 Use case

**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

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
THANK YOU!