



July 2023

Q2 SDV Community Day @ ZF Forum

Agenda July 6

8-8:30	Registration & coffee	
8:30-8:40	Welcome and opening remarks - 10min	S Gallian - EF
8:40-9	ZF perspective on automotive software and Eclipse SDV 20 min	C Müller, (ZF Vice President Software Center).
9:00-10:00	Tech session 0: New Projects - 1:00 h	New projects proposals: 20min each: <ol style="list-style-type: none">1. Ankaios (H Dormann, K Rusev - Elektrobit)2. SDV Blueprints (N Dai - Eteration, S Jeroschewski - Bosch)3. Use case for Blueprints (M Ortegon - Microsoft)4. Eclipse Hirte
10:00-10:40	Coffee Break 40 min	You win 20 mins coffee break!
10:40-12	Tech session 1: New Projects and Major Updates-1h20min	New projects proposals: 20min each: <ol style="list-style-type: none">1. OpenXilEnv* (E Bieber, R Gonzalez-Ramos - ZF)2. Teaser: digital.auto is coming to Eclipse* (S Jeroschewski - Bosch) Project Updates: 20min each <ol style="list-style-type: none">1. Ibeji (F Prezado, W Lyles - Microsoft)2. eCAL (K Keller - Conti)
12-12:30	Tech session 2: Tech talk - 30min	Tech Talks - 30 min <ol style="list-style-type: none">1. OpenMDM – Data Management for SDV (H-D Walter- Karakun)

* not officially an SDV WG project yet

Agenda July 6

12:30-13:30	On site lunch 1h	
13:30-14:30	Tech Session 3: Tech Talks - 1h	Tech Talks - 30 min each <ol style="list-style-type: none">1. Ferrocene – qualifying the Rust compiler using a fully open source tool stack (F. Gilcher- Ferrous Systems)2. Safety Processes (M D Vede - EF & D Krippner - Bosch)
14:30-14:45	Intro to breakout sessions 15 mins	Sara & Facilitators
14:45-15:15	Coffee Break - 30 min	
15:15-17:30	Open Collaboration - 2h15min	Collaboration tracks - on site <ol style="list-style-type: none">1. SDV Landscape2. SDV Blueprints3. SDV Process & Maturity levels
17:30-17:45	Wrap up & Closing remarks 15 min	
17:45	Dinner & networking at location	

We are growing!

New Eclipse Staff: Dana Vede & Marc Virgil



WELCOME

New Members: Welcome Berylls, Denso, EMQ, Reutlingen University, Ferdinand-Steinbeis-Institut! Welcome Qualcomm!

23 Technologies

accenture

arm

ARRAY



Welcome!

40 Members!

berylls

CANONICAL

Capgemini

CARIAD

Continental

KARAKUN

LG

Luxoft
A DXC Technology Company

Mercedes-Benz
Tech Innovation

Microsoft

Welcome!

Welcome!

Welcome!



DENSO
Crafting the Core

Elektrobit

EMQ

ETAS



NXP

PATEO

Qualcomm

Red Hat

Welcome!

eleration
SOURCE OF OPEN

FUTUREWEI
Technologies



IAV

IBM

Hochschule Reutlingen
Reutlingen University

REYCOM
OF SWITZERLAND

BOSCH
Invented for life

SCANOSS

SUSE

Ferdinand-
Steinbeis
-Institut

Welcome!

T Systems

Valeo
SMART TECHNOLOGY FOR SMARTER MOBILITY

vtlesco
TECHNOLOGIES

ZF GROUP

SDV WG to **date** - July 2023

- **3 active Governing Bodies**
 - Steering Committee
 - Marketing and Brand Committee
 - Technical Advisory Committee
- **40 Members**
 - 5 Strategic
 - 18 Participant
- **20 Projects**
 - 10 with code contributions & releases
- **2 New Projects**
 - Eclipse Ankaaios
 - Eclipse SDV Blueprints
- **2 Project Proposals (public)**
 - Eclipse OpenXilEnv
 - Eclipse Autowrx (teaser digital.auto)
- Started March 2022
- 2 Contribution Days (June & Sept 2022)
- 2 Hackathons (Oct @ EclipseCon & Nov @ BCX 2022)
- 1 Community Day (March 2023)
- 1 Automotive Open Source Summit (June 2023)

Thank you for your contribution!!

Setting the tone: The SDV Project "cake"

Code first means organizations contributed the code they had available as Open Source Project.

We need to turn this cake in something with added value and aligns with the SDV WG vision



SDV Quo vadis - activities overview

- **SDV matrix structure**
 - SDV Projects - independent
 - SDV Infrastructure
- **SDV Landscape**
 - A functional map of SDV Projects
- **Eclipse SDV Blueprints**
 - Eclipse Project with the aim of showcasing the capabilities of SDV projects by solving concrete use cases
- **Automotive-grade OS SW methodology definition**
 - Outline a methodology to develop automotive grade OSS
- **Participate on the ISO norm definition** for third party SW certification
- **SDV maturity badges**
 - A program with rewards (or badges) for projects that meet certain quality criteria

Breakout session 1


Breakout session 2

More on this from Dana & Daniel

Breakout session 3

SDV Quo vadis - activities overview

- SDV website restructuring
 - Website should mirror technical activities as well as community events
- SDV project documentation offer
 - Define a template and support the projects
- SDV Senior Exec Forum
 - Regular exchange to master the needed organisational change
- SDV Community Events
 - Community Days
 - Hackathons



Tech writer
onboard in
August

SDV WG matrix structure

	SDV Projects	SDV Infrastructure
Focus	<ul style="list-style-type: none"> • Project development (Apps & Services) • Quality and integration 	Cross-projects initiatives, process and infrastructure
Artifacts	Code and releases	<ul style="list-style-type: none"> • Automotive-grade methodology definition - Lead Process Eng <ul style="list-style-type: none"> ○ Outline a methodology to develop automotive grade OSS ○ Participate on the ISO norm definition for third party SW certification ○ Quality measure for projects • SDV Ecosystem (Framework and Definitions) <ul style="list-style-type: none"> ○ Testing and Validation ○ SW Orchestration ○ Toolchain: preferred DevOps set of tools ○ Communication protocol • Templates <ul style="list-style-type: none"> ○ Classes of problems to be addressed by SDV projects
Process	EMO lifecycle process & automotive process	Open community meetings
Lead	Every projects is independent and self governing	TAC & Process Engineer

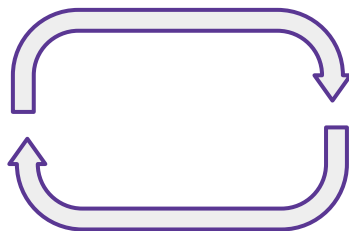
SDV Blueprints as Business Card

- Showcase SDV project capabilities
- Oth iteration: out of the box solution to specific [use cases](#)
 - Fleet management
 - Autonomous racers
 - In vehicle seat massage app store
- Long term goal is to provide a set of template for classes of use cases

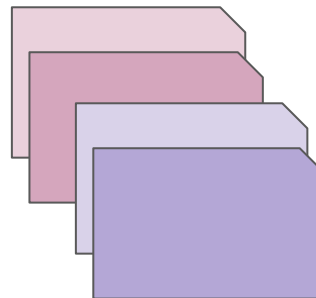


Indepent projects ecosystem

Showcase WG capabilities



Increase adoption & visibility, feature requests



Blueprints from integrated projects

Breakout sessions

- **SDV Blueprints. Facilitator: Naci Dai**
 - Identify new use cases or blueprints
 - Find synergies between projects
 - Highlight gaps and features needed
- **SDV Landscape. Facilitator: tbd**
 - Arrange projects based on functionality
 - Define/redefine new functional blocks in scope of the SDV WG
- **SDV Process & Maturity levels. Facilitator: Daniel Krippner**
 - Discuss automotive readiness process (additional to EMO)
 - Work on maturity levels definition for projects to be visible on website (badges)

volunteer wanted!

The SDV Landscape: WIP

