



ECLIPSE
2021 CON

Automotive Top Level Project

Automotive@Eclipse
Community Day

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Automotive Top Level Project

Eclipse Top Level Projects

- Project Hierarchy:
- » Eclipse Automotive
 - » Eclipse APP4MC
 - » Eclipse Automated Driving Op...
 - » Eclipse Cloe
 - » Eclipse Kuksa
 - » Eclipse MDMIBL
 - » Eclipse MOSAIC
 - » Eclipse OpenMCx
 - » Eclipse sim@openPASS™
 - » Eclipse Sphinx™
 - » Eclipse SUMO™
 - » Eclipse Tractus-X

Project Hierarchy:

- » AsciiDoc®
- » AsciiDoc Language
- » Eclipse Austen

Project Hierarchy:

- » OpenHW Group
- » OpenHW Group CORE-V Cores

Project Hierarchy:

- » Eclipse Project
- » Eclipse e4 Project
- » Eclipse Equinox
- » Eclipse Java development too...
- » Eclipse JDT LS™
- » Eclipse Platform
- » Eclipse Plugin Development E...

Project Hierarchy:

- » Eclipse Cloud Development
- » Eclipse Che™
- » Eclipse Che4z
- » Eclipse Codewind
- » Eclipse Dirigible™
- » Eclipse EMF.Cloud
- » Eclipse GLSP
- » Eclipse JKube
- » Eclipse Open VSX
- » Eclipse Orion
- » Eclipse Sprouty™
- » Eclipse Theia™
- » Eclipse Tools for Cloud Foundry

Project Hierarchy:

- » Eclipse Modeling Project
- » Agile UML
- » Eclipse Agent Modeling Platfo...
- » Eclipse Amalgamation
- » Eclipse AVSys
- » Eclipse Capra
- » Eclipse Ecoore Tools
- » Eclipse Edapt
- » Eclipse EMF Client Platform
- » Eclipse EMF Compare
- » Eclipse EMF Parsley
- » Eclipse EMF Services
- » Eclipse EMFStore
- » Eclipse Epsilon
- » Eclipse Formal Modeling Proje...
- » Eclipse Fundamental Modelin...
- » Eclipse GEMOC Studio
- » Eclipse Gendoc
- » Eclipse GMF Runtime™
- » Eclipse Graphiti™
- » Eclipse Hawk
- » Eclipse Layout Kernel
- » Eclipse Model Driven Health T...
- » Eclipse Modeling Framework ...
- » Eclipse ODO Model Reposito...
- » Eclipse ODO
- » Eclipse EMF Diff/Merge
- » Eclipse Generation Factories...
- » Eclipse Modeling Workflow ...
- » EMF Teneo Model - Relation...
- » Eclipse Papyrus for Real Time ...
- » Eclipse POOSL
- » Eclipse Sirius
- » Eclipse SmartMSD
- » Eclipse UML Profiles Repository
- » Eclipse VIATRA
- » Eclipse Xpact™
- » Eclipse Xsemantics™
- » Model Development Tools (M...
- » Eclipse Business Process M...
- » Eclipse eTrice™
- » Eclipse MDT UML2
- » Eclipse MDT XSD (XML Sche...
- » Eclipse MoDisco
- » Eclipse OCL (Object Constrai...
- » Eclipse Papyrus
- » Requirements Modeling Fra...
- » Model To Text (M2T)
- » Eclipse Aceleo
- » Eclipse Xpand
- » Model-to-Model Transformati...
- » Eclipse ATL
- » Eclipse QVT Operational
- » Eclipse QVTd (QVT Declarati...
- » Textual Modeling Framework
- » Eclipse Xtext

Meet the Automotive@Eclipse Community

Project Hierarchy:

- » Eclipse IoT
- » Eclipse Adiac™
- » Eclipse Agail
- » Eclipse Amlien
- » Eclipse Arrowhead
- » Eclipse Calliformium™ (CF) CoA...
- » Eclipse Concierge
- » Eclipse Cyclone DDS™
- » Eclipse Ditto™
- » Eclipse Duttle
- » Eclipse EditDor
- » Eclipse Embedded CDT (C/C+...
- » Eclipse fog05
- » Eclipse Grela
- » Eclipse hawkBit
- » Eclipse Hara
- » Eclipse Hono
- » Eclipse IgniteIoT
- » Eclipse ioFG
- » Eclipse IoT Packages
- » Eclipse Kanto
- » Eclipse Kapua™
- » Eclipse Keti
- » Eclipse Keyple®
- » Eclipse Kiso-testing
- » Eclipse Kura™
- » Eclipse Leshan™
- » Eclipse Milo
- » Eclipse Mita
- » Eclipse Mosquitto
- » Eclipse MRAA
- » Eclipse OM2M
- » Eclipse OneOfour
- » Eclipse Paho
- » Eclipse Paho Incubator
- » Eclipse Phizog
- » Eclipse Streamsheets™
- » Eclipse Tahu
- » Eclipse Thingweb
- » Eclipse tinydtls
- » Eclipse Unide
- » Eclipse UPIM
- » Eclipse VOLTRON
- » Eclipse Vorto
- » Eclipse Wakaama
- » Eclipse Yasham
- » Eclipse zenoh
- » Sparkplug
- » Tangle Identity
- » Tangle Marketplaces

Project Hierarchy:

- » Eclipse Technology
- » Cloud Application Manage...
- » Eclipse Accessibility Tools Fra...
- » Eclipse Advanced Scripting En...
- » Eclipse Apogy
- » Eclipse Babel
- » Eclipse BaSyx
- » Eclipse Bridge.IoT
- » Eclipse Business Intelligence ...
- » Eclipse Ceylon
- » Eclipse CogniCrypt
- » Eclipse Collections™
- » Eclipse CommaSuite
- » Eclipse Common Build Infrastr...
- » Eclipse Dash™
- » Eclipse DataEggs
- » Eclipse Dataspace Connector
- » Eclipse DeepLearning4j
- » Eclipse Dynamic Languages T...
- » Eclipse e(fx)clipse
- » Eclipse EclEmma
- » Eclipse EGerrit
- » Eclipse EGit™: Git Integration f...
- » Eclipse ESCET (Supervisory C...
- » Eclipse Free BIRD Tools
- » Eclipse Furo
- » Eclipse Golo™
- » Eclipse Handy
- » Eclipse iceoerx
- » Eclipse ImageN
- » Eclipse IoT-Testware
- » Eclipse Jemo - Cloud Applicati...
- » Eclipse JGit™: Java implement...
- » Eclipse Jifa
- » Eclipse JNoSQL
- » Eclipse Jubula Functional Tes...
- » Eclipse JustJ
- » Eclipse LemMinX
- » Eclipse LSAT
- » Eclipse LSP4E
- » Eclipse LSP4J
- » Eclipse LSP4Jakarta, the Lang...
- » Eclipse LSP4MP - Language S...
- » Eclipse Lyo
- » Eclipse Maven Integration - m...
- » Eclipse Maven Integration fo...
- » Eclipse Mbeddr
- » Eclipse N4JS

- » Eclipse Nebula - Supplemental...
- » Eclipse Nebula Incubator
- » Eclipse Nebula NatTable
- » Eclipse Ogee
- » Eclipse OMR
- » Eclipse Open Standard Busine...
- » Eclipse Open System Engineer...
- » Eclipse OpenJ9™
- » Eclipse openK Core Modules
- » Eclipse openK platform
- » Eclipse openK User Modules
- » Eclipse Packager
- » Eclipse Packaging Project
- » Eclipse Marketplace Client
- » Eclipse Passage™
- » Eclipse Plato
- » Eclipse Process Framework Pr...
- » Eclipse Public Access Submis...
- » Eclipse RCP Testing Tool
- » Eclipse RDF4J
- » Eclipse Real-Time Software C...
- » Eclipse RedDeer™
- » Eclipse Repairator
- » Eclipse Sapphire
- » Eclipse SCAVA
- » Eclipse Scout
- » Eclipse sensiNact
- » Eclipse Signalling Engineering...
- » Eclipse Skills
- » Eclipse Spatio-Temporal Epide...
- » Eclipse Steady
- » Eclipse Subversive SVN Team ...
- » Eclipse SW360
- » Eclipse SWTBot™
- » Eclipse SystemFOCUS
- » Eclipse TEA (Tasking Engine A...
- » Eclipse TM4E - TextMate supp...
- » Eclipse TRACE4CPS
- » Eclipse Transformer
- » Eclipse Tycho
- » Eclipse UOMO
- » Eclipse User Storage Service ...
- » Eclipse XVT
- » Eclipse XProfile®
- » OSGi® Specification Project
- » OSGi® Technology Project
- » Sisu
- » Skalli
- » Tigerstripe

Automotive Top Level Project

Some history

- January 2021: Top Level Project [1] and Charter [2] created
- **March 17th 2021**: First Automotive PMC Telco (follow-up monthly)
- June 9th 2021: Eclipse Automotive - TLP and PMC Overview
 - PMC member introduction
 - Automotive TLP Overview / Big picture
 - Short (informal) presentation of participating projects
 - Exchange, questions, walkin topics...

Automotive Top Level Project

Mission

The Eclipse Automotive Top-Level Project provides a space for open source projects to explore ideas and technologies addressing challenges in the **automotive, mobility and transportation** domain. It is the common goal of this project to provide tools and composable building blocks to empower the development of **solutions for the mobility of the future** .

Scope

The scope of the project includes developing, managing, promoting, and supporting applications, frameworks, runtimes, middlewares and models in the following areas:

- Traffic and transportation planning;
- Decision making, planning, control and simulation of automated vehicles and other road users;
- Test and assessment of advanced driver assistance systems or automated driving functions;
- Modeling and definition of traffic scenarios for simulation, validation and testing use -cases;
- Dynamic co-simulation of mobility and communication protocols incorporating physical, control and environment models;
- Modeling and Simulation of Vehicle-to-Cloud, Vehicle-to-Vehicle and Vehicle-to-Infrastructure Connectivity;
- Aggregation and management of measured vehicle data;
- Modeling and engineering tools for embedded automotive systems; and
- Middleware and runtime technologies enabling mobility solutions

In addition to providing software solutions for the industry, public sector institutions and consumers, the Eclipse Automotive project is a platform for experimentation by developers, academics and researchers. It provides a place to try out new ideas, new services and infrastructure changes to address the challenges of mobility.

Automotive Top Level Project

Project Management Committee (PMC)

PMC tasks

- **All communication through the mailing list**
<https://accounts.eclipse.org/mailling-list/automotive-pmc>
- **IP needs to be approved**
not a license / header check rather content
answer +1 on the mailing list
- **Releases need to be approved**
as above
is there a description?
answer +1 on the mailing list
- **Committer elections**
Links get sent to the mailing list
Merit statements should be there

Automotive Top Level Project

Meet the Automotive@Eclipse Community

PMC Lead



Harald Mackamul

PMC Members



Angelika Wittek



Lukas Krawczyk



Michael Behrlich

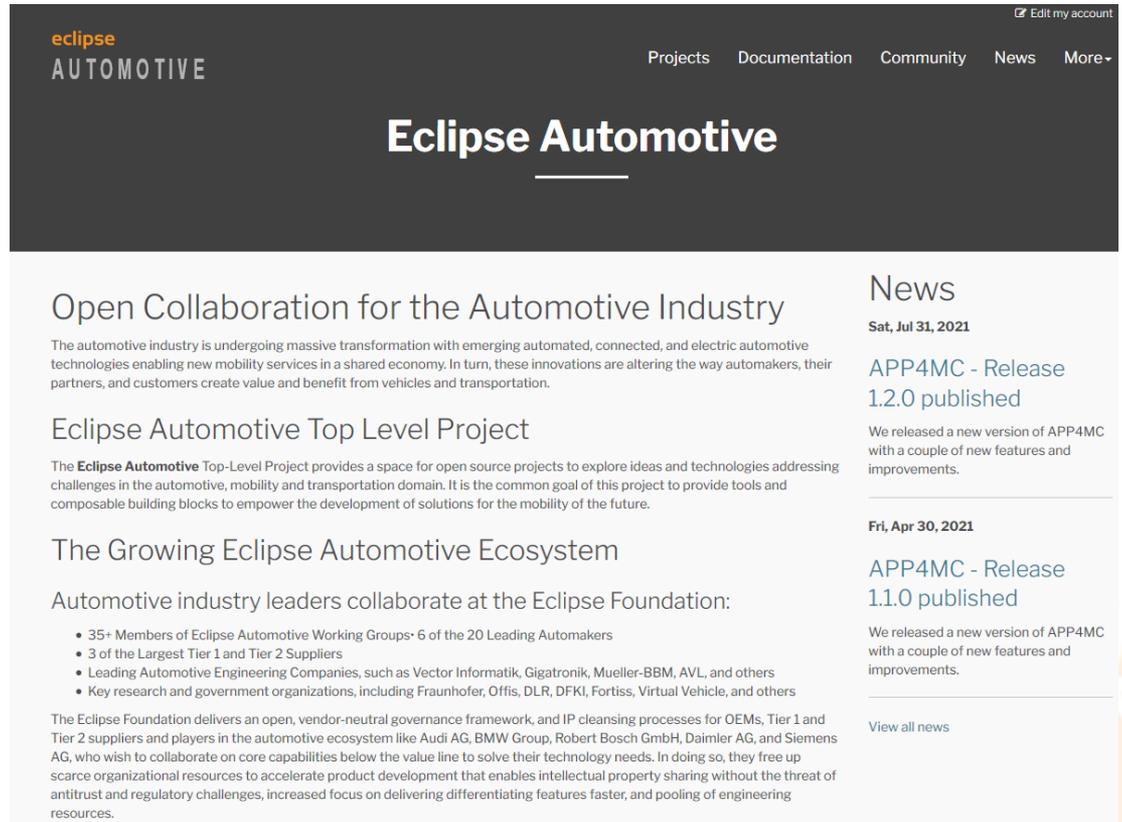


Torkild Resheim

Automotive Top Level Project

Meet the Automotive@Eclipse Community

<https://www.eclipse.org/automotive/>



The screenshot shows the Eclipse Automotive website. The header includes the Eclipse Automotive logo, navigation links for Projects, Documentation, Community, News, and More, and an 'Edit my account' link. The main heading is 'Eclipse Automotive'. Below this, there are three main sections: 'Open Collaboration for the Automotive Industry', 'Eclipse Automotive Top Level Project', and 'The Growing Eclipse Automotive Ecosystem'. The 'Open Collaboration...' section describes the automotive industry's transformation. The 'Eclipse Automotive Top Level Project' section explains the project's goal of providing a space for open source projects. The 'The Growing Eclipse Automotive Ecosystem' section lists collaborators and describes the Eclipse Foundation's role. On the right side, there is a 'News' section with two articles: 'APP4MC - Release 1.2.0 published' (dated Sat, Jul 31, 2021) and 'APP4MC - Release 1.1.0 published' (dated Fri, Apr 30, 2021). A 'View all news' link is also present.

eclipse
AUTOMOTIVE

Projects Documentation Community News More

Edit my account

Eclipse Automotive

Open Collaboration for the Automotive Industry

The automotive industry is undergoing massive transformation with emerging automated, connected, and electric automotive technologies enabling new mobility services in a shared economy. In turn, these innovations are altering the way automakers, their partners, and customers create value and benefit from vehicles and transportation.

Eclipse Automotive Top Level Project

The **Eclipse Automotive** Top-Level Project provides a space for open source projects to explore ideas and technologies addressing challenges in the automotive, mobility and transportation domain. It is the common goal of this project to provide tools and composable building blocks to empower the development of solutions for the mobility of the future.

The Growing Eclipse Automotive Ecosystem

Automotive industry leaders collaborate at the Eclipse Foundation:

- 35+ Members of Eclipse Automotive Working Groups- 6 of the 20 Leading Automakers
- 3 of the Largest Tier 1 and Tier 2 Suppliers
- Leading Automotive Engineering Companies, such as Vector Informatik, Gigatronik, Mueller-BBM, AVL, and others
- Key research and government organizations, including Fraunhofer, Offis, DLR, DFKI, Fortiss, Virtual Vehicle, and others

The Eclipse Foundation delivers an open, vendor-neutral governance framework, and IP cleansing processes for OEMs, Tier 1 and Tier 2 suppliers and players in the automotive ecosystem like Audi AG, BMW Group, Robert Bosch GmbH, Daimler AG, and Siemens AG, who wish to collaborate on core capabilities below the value line to solve their technology needs. In doing so, they free up scarce organizational resources to accelerate product development that enables intellectual property sharing without the threat of antitrust and regulatory challenges, increased focus on delivering differentiating features faster, and pooling of engineering resources.

News

Sat, Jul 31, 2021

APP4MC - Release 1.2.0 published

We released a new version of APP4MC with a couple of new features and improvements.

Fri, Apr 30, 2021

APP4MC - Release 1.1.0 published

We released a new version of APP4MC with a couple of new features and improvements.

[View all news](#)

Automotive Top Level Project

Meet the Automotive@Eclipse Community

<https://projects.eclipse.org/projects/automotive>

The screenshot shows the Eclipse Automotive project page. At the top, there is a navigation bar with the Eclipse Foundation logo, links for Projects, Working Groups, Members, and More, a search icon, and a Download button. Below the navigation bar, the page title is "Eclipse Automotive". A secondary navigation bar includes Overview (selected), Downloads, Who's Involved, Developer Resources, Governance, and Contact Us. The main content area features a description of the project, a list of licenses (Eclipse Public License 2.0), and a section for Active Member Companies. Logos for Bosch, Fraunhofer, TÜV SÜD, VECTOR, AVL, SIEMENS, DLR, BMW, MINI, INCOQUERYLABS, and Fachhochschule Dortmund are displayed. Below this is a "Contribution Activity" section with a bar chart showing commits from 2020-10 to 2021-10. On the right side, there are sections for Project Links (Top Level Project Charter) and Related Projects (Project Hierarchy).

ECLIPSE FOUNDATION

Projects Working Groups Members More- Download

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Eclipse Automotive

Overview Downloads Who's Involved Developer Resources Governance Contact Us

The Eclipse Automotive Top-Level Project provides a space for open source projects to explore ideas and technologies addressing challenges in the automotive, mobility and transportation domain. It is the common goal of this project to provide tools and composable building blocks to empower the development of solutions for the mobility of the future.

Licenses:
Eclipse Public License 2.0

Active Member Companies:
Member companies supporting this project over the last three months.

Logos: BOSCH, Fraunhofer, TÜV SÜD, VECTOR, AVL, SIEMENS, DLR, BMW, MINI, INCOQUERYLABS, Fachhochschule Dortmund

Contribution Activity:
Commits on this project (last 12 months).

Month	Commits
2020-10	650
2020-11	850
2020-12	550
2021-01	700
2021-02	750
2021-03	850
2021-04	750
2021-05	950
2021-06	450
2021-07	750
2021-08	900
2021-09	550
2021-10	500

PROJECT LINKS

- Top Level Project Charter

RELATED PROJECTS

Project Hierarchy:

- Eclipse Automotive
 - Eclipse APP4MC
 - Eclipse Automated Driving Op...
 - Eclipse Cloe
 - Eclipse Kukea
 - Eclipse MDMIBL
 - Eclipse MOSAIC
 - Eclipse OpenMCX
 - Eclipse sim@openPASS™
 - Eclipse Sphinx™
 - Eclipse SUMO™
 - Eclipse Tractus-X

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Links

- Website - <https://www.eclipse.org/automotive/>
- Project page - <https://projects.eclipse.org/projects/automotive>
- Charter - <https://projects.eclipse.org/projects/automotive/charter>
- Mailing list - https://accounts.eclipse.org/mailling_list/automotive_pmc
- Wiki - <https://wiki.eclipse.org/Automotive>