



Automotive Top Level Project

Eclipse Top Level Projects

RELATED PROJECTS

Project Hierarchy:

- » Eclipse Automotive
 - » Eclipse ADAAA (Adaptive Crui...
 - » Eclipse Ambient Light Services
 - » Eclipse APP4MC™
 - » Eclipse Automated Driving Op...
 - » Eclipse Backend function Bind...
 - » Eclipse Chariott
 - » Eclipse Cloe™
 - » Eclipse eCAL™ (enhanced Co...
 - » Eclipse Ibeji
 - » Eclipse Kuksa™
 - » Eclipse Leda
 - » Eclipse Leda Incubator
 - » Eclipse MDM|BL
 - » Eclipse MOSAIC™
 - » Eclipse Muto
 - » Eclipse OpenMCx™
 - » Eclipse sim@openPASS™
 - » Eclipse Sommr
 - » Eclipse Sphinx™
 - » Eclipse SUMO™
 - » Eclipse Tractus-X
 - » Eclipse Velocitas

RELATED PROJECTS

Project Hierarchy:

- » Eclipse Tools Project
 - » Eclipse aCute - C# and .NET C...
 - » Eclipse AJDT - AspectJ Devel...
 - » Eclipse Andmore
 - » Eclipse AspectJ™
 - » Eclipse Buildship: Eclipse Plug...
 - » Eclipse CDT™ (C/C++ Develop...
 - » Eclipse Corrosion™: the Eclips...
 - » Eclipse Dartboard
 - » Eclipse Data Tools Platform
 - » Eclipse Graphical Editing Fram...
 - » Eclipse Linux Tools
 - » Eclipse Lua Development Tools
 - » Eclipse Memory Analyzer™
 - » Eclipse Mobile Tools for Java™
 - » Eclipse Object Teams
 - » Eclipse Oomph™
 - » Eclipse Orbit Project
 - » Eclipse Parallel Tools Platform...
 - » Eclipse Photran Fortran Dev...
 - » Eclipse PHP Development Too...
 - » Eclipse SeCo Blocks
 - » Eclipse ShellWax™
 - » Eclipse Target Communicatio...
 - » Eclipse Target Management: T...
 - » Eclipse Titan™
 - » Eclipse Trace Compass™
 - » Eclipse Trace Compass Inclu...
 - » Eclipse Wild Web Developer
 - » Eclipse WindowBuilder
 - » EGL Development Tools
 - » Sequoyah

RELATED PROJECTS

Project Hierarchy:

- » Eclipse Project™
 - » Eclipse e4 Project
 - » Eclipse Equinox™
 - » Eclipse JDT™ (Java developm...
 - » Eclipse PDE™ (Plugin Develop...
 - » Eclipse Platform™

RELATED PROJECTS

Project Hierarchy:

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

RELATED PROJECTS

Project Hierarchy:

- » Eclipse IoT
 - » Eclipse 4diac™
 - » Eclipse Agail
 - » Eclipse Amlen™
 - » Eclipse Arrowhead
 - » Eclipse Californium™ (Cf) CoA...
 - » Eclipse Concierge
 - » Eclipse Cyclone DDS™
 - » Eclipse Diafanis
 - » Eclipse Ditto™
 - » Eclipse Duttle
 - » Eclipse EdiTDoor
 - » Eclipse Embedded CDT (C/C+...
 - » Eclipse fog05
 - » Eclipse hawkBit
 - » Eclipse Hara
 - » Eclipse Hono™
 - » Eclipse ioFog™
 - » Eclipse IoT Packages™
 - » Eclipse Kanto
 - » Eclipse Kapus™
 - » Eclipse Ketl
 - » Eclipse Keyple®
 - » Eclipse Kiso-testing
 - » Eclipse Kura™
 - » Eclipse Leshan™
 - » Eclipse Milo
 - » Eclipse Mita
 - » Eclipse Mosquitto™
 - » Eclipse MRAA
 - » Eclipse OM2M
 - » Eclipse OneOfFour
 - » Eclipse Paho
 - » Eclipse Paho Incubator
 - » Eclipse StreamSheets™
 - » Eclipse Tahu
 - » Eclipse Thingweb™
 - » Eclipse tinydtls
 - » Eclipse Unide
 - » Eclipse UPM
 - » Eclipse VOLTRON
 - » Eclipse Vorto
 - » Eclipse Wakaama
 - » Eclipse zenoh
 - » Sparkplug

RELATED PROJECTS

Project Hierarchy:

- » Eclipse Modeling Project
 - » Agile UML
 - » Eclipse Agent Modeling Platfo...
 - » Eclipse Amalgam™
 - » Eclipse Capra
 - » Eclipse Ecore Tools
 - » Eclipse Edapt™
 - » Eclipse EMF Client Platform
 - » Eclipse EMF Compare
 - » Eclipse EMF Parsley
 - » Eclipse EMF Services
 - » Eclipse EMFStore
 - » Eclipse Epsilon™
 - » Eclipse Formal Modeling Proj...
 - » Eclipse GEMOC Studio
 - » Eclipse Gendoc
 - » Eclipse GMF Runtime™
 - » Eclipse GMF Tooling
 - » Eclipse Graphiti™
 - » Eclipse Hawk™
 - » Eclipse Layout Kernel™
 - » Eclipse Model Driven Health T...
 - » Eclipse Model Framework Tec...
 - » Eclipse emfatic
 - » Eclipse Extended Editing Fra...
 - » EMF Reflector
 - » EMFT Texo
 - » Henshin
 - » Eclipse Modeling Framework...
 - » Eclipse CDO™ Model Reposit...
 - » Eclipse EMF Diff/Merge™
 - » Eclipse EMF™
 - » Eclipse Generation Factories...
 - » Eclipse Modeling Workflow ...
 - » EMF Teneo Model - Relation...
 - » Eclipse Papyrus for Real Time...
 - » Eclipse POOSL
 - » Eclipse Sirius
 - » Eclipse SmartMDSD™
 - » Eclipse UML Profiles Repository
 - » Eclipse VIATRA™
 - » Eclipse Xpect™
 - » Eclipse Xsemantics™
 - » Model Development Tools (M...
 - » Eclipse Business Process M...
 - » Eclipse eTrice™
 - » Eclipse MDT UML2
 - » Eclipse MDT XSD™ (XML Sc...
 - » Eclipse MoDisco
 - » Eclipse OCL™ (Object Constr...
 - » Eclipse Papyrus™
 - » Eclipse Requirements Model...
 - » Model To Text (M2T)
 - » Eclipse Aceleo
 - » Eclipse Xpand
 - » Model-to-Model Transformat...
 - » Eclipse ATL
 - » Eclipse QVT Operational
 - » Eclipse QVTd™ (QVT Declara...
 - » Textual Modeling Framework
 - » Eclipse Xtect™

RELATED PROJECTS

Project Hierarchy:

- » Eclipse Technology
 - » Cloud Application Manage...
 - » Eclipse Accessibility Tools Fra...
 - » Eclipse Advanced Scripting En...
 - » Eclipse Apogy
 - » Eclipse Babel
 - » Eclipse BIRT™ (Business Intelli...
 - » 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 EMFEmma
 - » Eclipse EGerrit
 - » Eclipse EGit™: Git Integration f...
 - » Eclipse ESCET™ (Supervisory ...
 - » Eclipse Free BIRD Tools™
 - » Eclipse Furo
 - » Eclipse Graphene
 - » Eclipse Handy™
 - » Eclipse iceoryx
 - » Eclipse ImageN
 - » Eclipse IoT-Twestare
 - » Eclipse jbom
 - » Eclipse Jemo - Cloud Applicati...
 - » Eclipse JGit™: Java implement...
 - » Eclipse Jifa
 - » Eclipse JNoSQL
 - » Eclipse Jubula Functional Test...
 - » Eclipse JustJ
 - » Eclipse LemMinX
 - » Eclipse LSAT
 - » Eclipse LSP4E
 - » Eclipse LSP4Jakarta, the Lang...
 - » Eclipse LSP4J™
 - » Eclipse LSP4MP - Language S...
 - » Eclipse Lyo™
- » Eclipse Maven Integration - m...
- » 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 User Modules
- » Eclipse Packager™
- » Eclipse Packaging Project™
- » Eclipse Marketplace Client™
- » Eclipse Passage™
- » Eclipse Plato
- » Eclipse Public Access Submis...
- » Eclipse RCP Testing Tool
- » Eclipse RDF4J™
- » Eclipse Real-Time Software C...
- » Eclipse RedDeer™
- » Eclipse Repairator
- » Eclipse SCAVA
- » Eclipse Scout™
- » Eclipse sensinAct
- » Eclipse Signalling Engineering ...
- » Eclipse Skills
- » Eclipse Spatio-Temporal Epide...
- » Eclipse Steady
- » Eclipse Subversive™ SVN Tea...
- » Eclipse SW360
- » Eclipse SWTBot™
- » Eclipse TEA™ (Tasking Engine ...
- » Eclipse TM4E™ - TextMate sup...
- » Eclipse TRACE4CPS™
- » Eclipse Transformer
- » Eclipse Tycho™
- » Eclipse UOMo
- » Eclipse User Storage Service S...
- » Eclipse XWT
- » MicroProfile®
- » OSGi® Specification Project
- » OSGi® Technology Project
- » Sisu
- » Tigerstripe



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, walk-in 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**.

Automotive Top Level Project – 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.

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

PMC tasks

- Committer elections
Links get sent to the mailing list
Merit statements should be there

Project Management Committee (PMC)

PMC Lead



Harald Mackamul

PMC Members



Andreas Rixinger



Angelika Wittek



Lukas Krawczyk



Michael Behrisch



Torkild Resheim

Automotive Top Level Project

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



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

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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.

The Opportunity

Participation in Eclipse Foundation Automotive Working Groups enables our members to:

- Use the work that has been created by the existing Working Groups.
- Contribute to the current projects by participating in the Working Groups
- Share intellectual property without the threat of antitrust and regulatory challenges
- Enable the creation of a common open platform for automotive and transportation software quality assurance and testing
- Share costs below the value line and focus on investing scarce development resources on building differentiated features

News

Tue, Nov 30, 2021

APP4MC - Release 2.0.0 published

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

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

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



Eclipse Automotive

Overview Downloads Who's Involved Developer Resources Governance Contact Us Edit

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Licenses:
Eclipse Public License 2.0

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

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

Month	Commits
2021-10	800
2021-11	1100
2021-12	600
2022-01	1100
2022-02	1000
2022-03	1200
2022-04	900
2022-05	900
2022-06	1200
2022-07	1100
2022-08	1200
2022-09	1200
2022-10	300

GitLab Repositories:
<https://gitlab.eclipse.org/eclipse/automotive/automotive-website>

Gitlab Project Group:
eclipse/automotive

Email Notifications

Subscribe to receive email notifications when someone comments on this page. Notifications settings can always be modified in the [Subscriptions](#) section of your account.

COMMITTER TOOLS

The following commands are available to project committers:

Bugzilla

[Bugzilla Manager](#)

Elections

[Nominate a Committer](#)
[Nominate a Project Lead](#)

Intellectual Property

[Create a Contribution Questionnaire](#)
[Generate IP Log](#)
[Contribution Questionnaires](#)

Communication

[PMC Mailing list](#)
[Send Email to the PMC...](#)
[Send Email to the Dev List...](#)

Documentation

[Legal Documentation Generator](#)

Releases

[Create a Progress Review](#)
[Create a new release](#)

PROJECT LINKS

- [Top Level Project Charter](#)
- [Website](#)
- [Wiki](#)



RELATED PROJECTS

Automotive Top Level Project – 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>

Automotive Working Groups



Measurement data



Urban Traffic Simulation



Simulation



Toolchain and Middleware



Software Defined Vehicle

Eclipse Automotive Working Groups

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- » Eclipse sim@openPASS™
- » Eclipse Sommr
- » Eclipse Sphinx™
- » Eclipse SUMO™
- » Eclipse Tractus-X
- » Eclipse Velocitas

Eclipse Automotive Related Projects

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RELATED PROJECTS

Project Hierarchy:

- » Eclipse Tools Project
- » Eclipse aCOrt - CA and NET C...
- » Eclipse A2U1 - Agent2U2
- » Eclipse Andromeda
- » Eclipse Agent2U1
- » Eclipse Buildings - Eclipse Plu...
- » Eclipse CDT™ (C/C++ Develop...
- » Eclipse Compress™ - The Ecl...
- » Eclipse Dashboard
- » Eclipse Data Tools Platform
- » Eclipse Embedded Editing Fram...
- » Eclipse Linux Tools
- » Eclipse Lua Development Tools
- » Eclipse Memory Analysis™
- » Eclipse Mobile Tools for Java™
- » Eclipse Object Teams
- » Eclipse Oemph™
- » Eclipse Onet Project
- » Eclipse Parallel Tools Platfor...
- » Eclipse Platform Format Dev...
- » Eclipse PaaS Development Tool...
- » Eclipse SaaS Blocks
- » Eclipse Software™
- » Eclipse Target Communicatio...
- » Eclipse Target Management™
- » Eclipse Tidy™
- » Eclipse Trace Compass™
- » Eclipse Trace Compass Intra...

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- » Cloud Application Manage...
- » Eclipse Accessibility Tools Pa...
- » Eclipse Advanced Scoping Ene...
- » Eclipse Agency
- » Eclipse Label
- » Eclipse BRIT™ (Business Intell...
- » Eclipse Ceylon
- » Eclipse Dmgorgnt
- » Eclipse Collections™
- » Eclipse Communicable
- » Eclipse Common Build Infrast...
- » Eclipse Dash
- » Eclipse DataEgg
- » Eclipse Desktop Connector
- » Eclipse Development
- » Eclipse Dynamic Language T...
- » Eclipse eVirtuoso™
- » Eclipse ECFramework
- » Eclipse Eclint
- » Eclipse EGit™ - Git Integration L...
- » Eclipse EICE™ (Supervisory ...)
- » Eclipse Fint BRD Tools™
- » Eclipse Furo
- » Eclipse Graphene
- » Eclipse Identity™
- » Eclipse Ideogy
- » Eclipse ImageKit
- » Eclipse IoT - Testpage
- » Eclipse Joom
- » Eclipse Jsmc - Cloud Applicat...
- » Eclipse JST™ - Java Implement...
- » Eclipse JUI
- » Eclipse JUnit5
- » Eclipse Jupyter Functional Test...
- » Eclipse Juxta
- » Eclipse LemnAX
- » Eclipse LibAT
- » Eclipse LSP4E
- » Eclipse LSP4M2M, the Lang...
- » Eclipse LSP4M™ - Language S...
- » Eclipse Lyo™

Existing Projects

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Eclipse Automotive - bringing Automotive together
4 weekly meeting - Everyone is invited!

Questions

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