


# Projects Home

 Contributing to GENIVI is [described here](#), working with [working with GENIVI source code](#) is also available. [GENIVI Teams are organized separately](#).

*This PROJ Wiki space is a home for all GENIVI projects that choose to not have their own Wiki Space. The list of links should however link to all/any project no matter where they are documented.*

*Also please note that it is possible that [GENIVI's GitHub account](#) very likely contains additional software project repositories, in various stages of development. (Generally speaking we try to highlight what we can here and give suitable entry-points (links to more information), but we should also try to avoid significant maintenance effort by duplicating information)*

*If there exists a repository under that account then it can typically be considered a "GENIVI Project", and project teams/maintainers are free to organize their documentation in a manner that suits their component.*

## GENIVI Software Projects

Project Name and wiki page	Documentation	Code repositories	Mailing list	Issue Tracking	Current source code maintainer(s)
<p><b>Audio Manager (AM)</b></p> <p>Audio Manager routes "sources" and "sinks" through the Head Unit.</p>	<p><a href="#">Doxygen based documentation</a> for AM</p>	<ul style="list-style-type: none"> <li>• <a href="#">AudioManager</a> (most current code base)</li> <li>• <a href="#">Audio Manager</a> (Legacy Git repo.)</li> <li>• <a href="#">Audio Manager Plugins</a></li> <li>• <a href="#">AM Demo used in GENIVI Demo platform</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Audio Manager mailing list</a></li> <li>• Please use <a href="#">GENIVI projects mailing list</a> for demo discussion</li> </ul>	<p><a href="#">AM github issue tracker</a></p> <p><a href="#">AudioManager Plugins JIRA</a></p>	<p>Current as of 02 Feb 2017: <a href="#">Christian Linke</a>, <a href="#">Jacqueline Molz</a></p> <p>Audio Manager Demo Maintainer: <a href="#">JoonCheol Park</a></p>
<p><b>Diagnostic Log and Trace (DLT)</b></p> <p>Diagnostics</p>	<p><a href="#">DLT usage guide and examples</a></p>	<ul style="list-style-type: none"> <li>• <a href="#">diagnostic log and trace</a></li> <li>• <a href="#">dlt-t</a></li> <li>• <a href="#">dlt-viewer</a></li> </ul>	<p><a href="#">dlt mailing list</a></p>	<p><a href="#">GENIVI Public JIRA</a></p> <p>Deprecated: <a href="#">Bugzilla for DLT</a></p>	<p>Current as of 12 Jul 2019</p> <ul style="list-style-type: none"> <li>• DLT Viewer: <a href="#">Gernot Wirschal</a> and <a href="#">Alexander Wenzel</a> from BMW</li> <li>• DLT Daemon: <a href="#">Saya Sugiura</a> and <a href="#">Manikandan Chockalingam</a> from ADIT</li> </ul>
<p><b>GENIVI Persistence Management</b></p> <p>For storing persistent data to the flash memory</p>	<p><a href="#">Persistence Subsystem Architecture Documentation (PDF)</a></p> <p><a href="#">Persistence Administrator Service</a></p> <p><a href="#">Persistence Client Library</a></p> <p><a href="#">Persistence Database Configuration Tool (PDF)</a></p>	<ul style="list-style-type: none"> <li>• <a href="#">persistence-administrator</a></li> <li>• <a href="#">persistence-client-library</a></li> <li>• <a href="#">persistence-db-configuration-tool</a></li> <li>• <a href="#">persistence-health-monitor</a></li> <li>• <a href="#">persistence-common-object</a></li> </ul>	<p><a href="#">persistence mailing list</a></p>	<p><a href="#">PCL JIRA</a>, <a href="#">PAS JIRA</a></p>	<p>Needs a new maintainer</p>
<p><b>GENIVI Development Platform (GDP)</b></p>	<p><a href="#">GENIVI Development Platform (GDP)</a></p>	<ul style="list-style-type: none"> <li>• <a href="#">genivi-dev-platform</a></li> <li>• <a href="#">genivi-dev-platform-hmi</a></li> </ul>	<p><a href="#">GENIVI projects mailing list</a></p>	<p><a href="#">GDP Maintenance Dashboard</a></p>	<p>Current as of 15 Apr 2019</p> <ul style="list-style-type: none"> <li>• GENIVI Core Development team Contact: <a href="#">GENIVI development lead</a></li> </ul>

<b>RAMSES (3D Graphics Framework)</b>	Presentations <a href="#">here</a> and <a href="#">here</a> GitHub documentation	<ul style="list-style-type: none"> <li>ramses</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">GitHub Issues</a>	Current as of 23 Aug 2019  1. Tobias Hammer (first.last @ bmw.de) 2. Bernhard Kißlinger
<b>Remote Vehicle Interaction (RVI)</b>	GitHub documentation (Erlang) RVI C API	<ul style="list-style-type: none"> <li>GENIVI GitHub (Erlang)</li> <li>RVI C Library</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">GitHub Issues (Erlang)</a>  <a href="#">GitHub Issues (C Lib)</a>	Current as of 15 Apr 2019  <i>No Active maintenance - Volunteer by email!</i>  Current as of 03 Feb 2017  <ul style="list-style-type: none"> <li>Ulf Wiger (rvi_core maintainer)</li> <li>Tatiana Jamison (rvi_lib maintainer)</li> </ul>
<b>Common API C (CAPIC)</b>  <b>Common API CPP</b>  Tooling and runtime for GENIVI's Common API project implemented in C++ and C	Common API C CommonAPI C++ Tutorial	<b>C:</b> CAPIC Proof of Concept  <b>C++:</b> Tools and Runtime for Core, D-Bus and SOME/IP:  <ul style="list-style-type: none"> <li>capicxx-core-tools</li> <li>capicxx-core-runtime</li> <li>capicxx-dbus-tools</li> <li>capicxx-dbus-runtime</li> <li>capicxx-someip-tools</li> <li>capicxx-someip-runtime</li> </ul>	<a href="#">GENIVI IPC mailing list</a>	<b>C:</b> CAPIC JIRA (Not active)  <b>C++:</b> Use GitHub Issues for each respective project	Current as of 18 Jul 2019  Previously: Pavel Konopelko for C version (Not Active)  Juergen Gehring for all C++ (capicxx-*) Lutz Bichler for all C++ (capicxx-*)
<b>Lifecycle (L)</b>  Lifecycle components manage start-up, power management, etc.	<a href="#">Lifecycle overview (PDF)</a>	<ul style="list-style-type: none"> <li>node-health-monitor</li> <li>node-startup-controller</li> <li>node-state-manager</li> </ul>	<a href="#">GENIVI Lifecycle mailing list</a>		<i>No Active maintenance - Volunteer by email!</i>
<b>Media Manager (MM)</b>		<ul style="list-style-type: none"> <li>media-manager</li> <li>media-manager-extension</li> <li>media-manager-interfaces</li> </ul>			<i>Finished proof-of-concept</i> <i>No Active maintenance</i>
<b>Smart Device Link (SDL)</b>  Connecting your device to a head unit (only certain head units supported.)	★ NOTE: These documents might be outdated. Refer to <a href="#">upstream SDL Project</a> to guarantee up to date information!  <ul style="list-style-type: none"> <li>Software Architecture</li> <li>Transport management guide</li> <li>Detailed software design</li> <li>Integration Guidelines</li> </ul>	<ul style="list-style-type: none"> <li>Upstream at GitHub</li> </ul>	This project started keeping open-source code and project maintenance at GENIVI many years ago.  It is now more independent and we recommend going to <a href="#">SDL project</a> for the correct support channels (Slack chat, etc.)	<a href="#">Upstream at GitHub</a>	Current as of 09 Aug 2016  <ul style="list-style-type: none"> <li>Maintainer status</li> <li>Upstream contributing guide: CONTRIBUTING.md</li> </ul>
<b>IVI Navigation</b>  Positioning, Navigation (location input, routing, guidance), Map viewer, Point Of Interest, Fuel Stop Advisor		<ul style="list-style-type: none"> <li>navigation</li> <li>navigation-application</li> <li>positioning</li> </ul>		In GENIVI public JIRA	Philippe Colliot, Marco Residori

<b>IVI Speech</b> Voice interface to IVI system	Suggested - view some research work done as part of Google Summer of Code: <a href="#">Overview of VCIVING</a>				<a href="#">Chandeepra Dissanayake</a>
<b>CANdevStudio (CDS)</b> Software tool that is meant to support IVI development by providing means of CAN BUS simulation	<ul style="list-style-type: none"> <li>Overview</li> <li>Build instructions</li> </ul>	<ul style="list-style-type: none"> <li>CANdevStudio repository</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">JIRA tracker</a>	Current as of 22 May 2017 <ul style="list-style-type: none"> <li>Remigiusz Kotaj</li> </ul>
<b>Wayland IVI Extension</b> IVI layer management in Wayland / Weston		<a href="#">wayland-ivi-extension repository</a>	<a href="#">GENIVI Layer Management mailing list</a>	<a href="#">JIRA tracker</a>	Current as of 02 Feb 2016 <ul style="list-style-type: none"> <li>Wataru Natsume</li> <li>Eugen Friedrich</li> </ul>
<b>Franca, Franca2EA, and Franca Validator</b> Interface Description Language and validation tool	<ul style="list-style-type: none"> <li>Homepage of Franca project</li> <li>Franca project proposal page at Eclipse foundation</li> <li>Franca on Wikipedia</li> <li>Franca wiki</li> <li>Franca+</li> </ul> <p><u>Presentations</u></p> <ul style="list-style-type: none"> <li>Franca Introduction (periodically updated)</li> <li>Franca Update Spring 2015 (from GENIVI AMM in Stuttgart, April 2015)</li> <li>Franca and Internet-of-Things (from ESE Conference in Sindelfingen, December 2014)</li> <li>Franca 0.9.0 - New and Noteworthy (from GENIVI AMM in Gothenburg, May 2014)</li> </ul>	Franca: <a href="#">Github repo</a>	<a href="#">GENIVI IPC mailing list</a> <a href="#">Franca Google Group</a>	Franca: <a href="#">Upstream at github</a>	Franca: <a href="#">Klaus Birken</a> Franca EA: NN ( <a href="#">Manfred Bathelt?</a> ) Franca Validator: NN
<b>Franca UML Methodology and MDG</b>	<a href="#">Franca Methodology</a>	<ul style="list-style-type: none"> <li>franca-mdg</li> </ul>	<a href="#">GENIVI projects mailing list</a>		Current as of 09 Feb 2016 <ul style="list-style-type: none"> <li>Manfred Bathelt</li> </ul>
<b>YAMAICA</b> YAMAICA is an acronym for Yet Another Model And Interface Conversion Application.	<a href="#">YAMAICA Home</a>	<ul style="list-style-type: none"> <li>yamaica</li> <li>yamaica-ea</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">YAMAICA JIRA</a>	Currently 04 Oct 2016 <ul style="list-style-type: none"> <li>Juergen Gehring</li> </ul>
<b>GENIVI Baselines</b> a <a href="#">GENIVI compliant</a> Linux distribution for a variety of embedded devices	Yocto Baseline: <a href="#">meta-ivi</a> Baserock Baseline: <ul style="list-style-type: none"> <li><a href="#">How to use GENIVI Baserock Baseline</a></li> <li><a href="#">Downloads page</a></li> </ul>	<ul style="list-style-type: none"> <li>meta-ivi (Yocto baseline)</li> <li>Baserock</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">GENIVI Baseline Kanban Board</a>	Current as of 01 Jan 2019 Yocto Baseline maintainer: <ul style="list-style-type: none"> <li>Martin Ejdestig</li> </ul>
<b>Yocto Baseline on R-Car</b> Adaption layer to adapt the Renesas R-Car Community Yocto BSP to the requirements of the Genivi Yocto Baseline.	<a href="#">Meta ivi BSPs for Specific Hardware</a>	<ul style="list-style-type: none"> <li>meta-ivi-renesas</li> </ul>	<a href="#">GENIVI projects mailing list</a>	<a href="#">GENIVI Baseline Kanban Board</a>	Current as of 11 Apr 2019 <ul style="list-style-type: none"> <li>Stephen Lawrence</li> </ul>
<b>IVI Radio</b> IVI Radio including sources from the Internet.					unmaintained

<b>Web browser PoC</b> A in-vehicle web browser proof-of-concept.		<ul style="list-style-type: none"> <li>Ozone-Wayland fork with multi-seat</li> <li>Meta-browser layer to build the Chromium browser</li> <li>Legacy: Browser HMI API PoC</li> </ul>			unmaintained
<b>vSOMEIP</b>		<ul style="list-style-type: none"> <li>vSomeIP</li> </ul>			Juergen Gehring(BMW) Lutz Bichler (BMW)
<b>Vehicle Signal Manager (VSM)</b>		<ul style="list-style-type: none"> <li>GENIVI GitHub</li> </ul>	TBD	TBD	Steve Martin JLR
<b>GENIVI Software Management</b>	Upstream at GitHub	<ul style="list-style-type: none"> <li>GENIVI GitHub</li> </ul>		SWM JIRA	Current as of 31 Mar 2016 <ul style="list-style-type: none"> <li>Rudi Streif</li> </ul>
<b>Remote Vehicle Interaction - SOTA</b>	Also see <a href="#">GDP SOTA</a> RVI SOTA client Aktualizr instructions. Comprehensive documentation: <a href="#">available here</a> .				Current as of 31 Mar 2016 <ul style="list-style-type: none"> <li>Rudi Streif</li> </ul>
<b>Remote Vehicle Interaction - Control</b>	WebAPI TBD				Current as of 01 Apr 2016 <ul style="list-style-type: none"> <li>Magnus Feuer</li> </ul>
<b>Open Address Book (OAB)</b>	TBD	<ul style="list-style-type: none"> <li>GENIVI GitHub</li> </ul>	TBD	TBD (Jira)	<i>No Active maintenance - Volunteer by email!</i>
<b>Franca Patterns</b>	Here on the wiki (link to the left) Presentations: 2016-04 AMM Paris Franca Patterns.pdf				<ul style="list-style-type: none"> <li>Johan Thelin</li> </ul>
<b>GENIVI Vehicle Simulator</b>	GENIVI Vehicle Simulator	<ul style="list-style-type: none"> <li>GENIVI GitHub</li> </ul>	Pending	GVS JIRA	<ul style="list-style-type: none"> <li>Daniel Schambach daniel@elementsgroup.com</li> <li>James Bennett jbenet9@jaguarandrover.com</li> </ul>
<b>GENIVI GSoC 2017 - Zebra</b>			Pending	Pending	Akila Wickramarachchi
<b>Guider</b>	<ul style="list-style-type: none"> <li>GitHub wiki</li> <li>Overview (PDF)</li> </ul>	<ul style="list-style-type: none"> <li>Upstream at GitHub</li> </ul>	GENIVI projects mailing list	GitHub Issues	<ul style="list-style-type: none"> <li>Peace Lee</li> </ul>