

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>Audio Manager (AM)</p> <p>Audio Manager routes "sources" and "sinks" through the Head Unit.</p>	<p>Doxygen based documentation for AM</p>	<ul style="list-style-type: none"> • AudioManager (most current code base) • Audio Manager (Legacy Git repo.) • Audio Manager Plugins • AM Demo used in GENIVI Demo platform 	<ul style="list-style-type: none"> • Audio Manager mailing list • Please use GENIVI projects mailing list for demo discussion 	<p>AM github issue tracker</p> <p>AudioManager Plugins JIRA</p>	<p>Current as of 02 Feb 2017: Christian Linke, Jacqueline Molz</p> <p>Audio Manager Demo Maintainer: JoonCheol Park</p> <p>Jens Lorenz is plugins maintainer.</p>
<p>Diagnostic Log and Trace (DLT)</p> <p>Diagnostics</p>	<p>DLT usage guide and examples</p>	<ul style="list-style-type: none"> • diagnostic log and trace • dlt-t • dlt-viewer 	<p>dlt mailing list</p>	<p>GENIVI Public JIRA</p> <p>Deprecated: Bugzilla for DLT</p>	<p>Current as of 22 Aug 2017</p> <ul style="list-style-type: none"> • DLT Viewer: Gernot Wirschal • DLT Daemon: Saya Sugiura and Manikandan Chockalingam from ADIT
<p>GENIVI Persistence Management</p> <p>For storing persistent data to the flash memory</p>	<p>Persistence Subsystem Architecture Documentation (PDF)</p> <p>Persistence Administrator Service</p> <p>Persistence Client Library</p> <p>Persistence Database Configuration Tool (PDF)</p>	<ul style="list-style-type: none"> • persistence-administrator • persistence-client-library • persistence-db-configuration-tool • persistence-health-monitor • persistence-common-object 	<p>persistence mailing list</p>	<p>PCL JIRA, PAS JIRA</p>	<p>Needs a new maintainer</p>
<p>GENIVI Development Platform (GDP)</p>	<p>GENIVI Development Platform (GDP)</p>	<ul style="list-style-type: none"> • genivi-dev-platform • genivi-dev-platform-hmi 	<p>GENIVI projects mailing list</p>	<p>GDP Maintenance Dashboard</p>	<p>Current as of 15 Apr 2019</p> <ul style="list-style-type: none"> • GENIVI Core Development team Contact: GENIVI development lead

RAMSES (3D Graphics Framework)	Presentations here and here GitHub documentation	<ul style="list-style-type: none"> • ramses 	GENIVI projects mailing list	GitHub Issues	Current as of 15 Apr 2019 <ul style="list-style-type: none"> • Violin Yanev • Bernhard Kißlinger
Remote Vehicle Interaction (RVI)	GitHub documentation (Erlang) RVI C API	<ul style="list-style-type: none"> • GENIVI GitHub (Erlang) • RVI C Library 	GENIVI projects mailing list	GitHub Issues (Erlang) GitHub Issues (C Lib)	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"> • Ulf Wiger (rvi_core maintainer) • Tatiana Jamison (rvi_lib maintainer)
Common API C (CAPIC) Common API CPP Tooling and runtime for GENIVI's Common API project implemented in C++ and C	Common API C CommonAPI C++ Tutorial	C: CAPIC Proof of Concept C++: Tools and Runtime for Core, D-Bus and SOME/IP: <ul style="list-style-type: none"> • capicxx-core-tools • capicxx-core-runtime • capicxx-dbus-tools • capicxx-dbus-runtime • capicxx-someip-tools • capicxx-someip-runtime 	GENIVI IPC mailing list	C: CAPIC JIRA (Not active) C++: Use GitHub Issues for each respective project	Current as of 15 Apr 2019 Previously: Pavel Konopelko for C version (Not Active) Juergen Gehring for all C++ (capicxx-*)
Lifecycle (L) Lifecycle components manage start-up, power management, etc.	Lifecycle overview (PDF)	<ul style="list-style-type: none"> • node-health-monitor • node-startup-controller • node-state-manager 	GENIVI Lifecycle mailing list		<i>No Active maintenance - Volunteer by email!</i>
Media Manager (MM)		<ul style="list-style-type: none"> • media-manager • media-manager-extension • media-manager-interfaces 			<i>Finished proof-of-concept No Active maintenance</i>
Smart Device Link (SDL) Connecting your device to a head unit (only certain head units supported.)	★ NOTE: These documents might be outdated. Refer to upstream SDL Project to guarantee up to date information! <ul style="list-style-type: none"> • Software Architecture • Transport management guide • Detailed software design • Integration Guidelines 	<ul style="list-style-type: none"> • Upstream at GitHub 	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 SDL project for the correct support channels (Slack chat, etc.)	Upstream at GitHub	Current as of 09 Aug 2016 <ul style="list-style-type: none"> • Maintainer status • Upstream contributing guide: CONTRIBUTING.md
IVI Navigation Positioning, Navigation (location input, routing, guidance), Map viewer, Point Of Interest, Fuel Stop Advisor		<ul style="list-style-type: none"> • navigation • navigation-application • positioning 		In GENIVI public JIRA	Philippe Colliot , Marco Residori
IVI Speech Voice interface to IVI system	Suggested - view some research work done as part of Google Summer of Code: Overview of VCIVING				Chandeeppa Dissanayake

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

vSOMEIP		<ul style="list-style-type: none"> • vSomeIP 			Juergen Gehring – Mail to genivi-maint-vsomedip@genivi.org
Vehicle Signal Manager (VSM)		<ul style="list-style-type: none"> • GENIVI GitHub 	TBD	TBD	Steve Martin JLR
GENIVI Software Management	Upstream at GitHub	<ul style="list-style-type: none"> • GENIVI GitHub 		SWM JIRA	Current as of 31 Mar 2016 <ul style="list-style-type: none"> • Rudi Streif
Remote Vehicle Interaction - SOTA	Also see GDP SOTA RVI SOTA client Aktualizr instructions. Comprehensive documentation: available here .				Current as of 31 Mar 2016 <ul style="list-style-type: none"> • Rudi Streif
Remote Vehicle Interaction - Control	WebAPI TBD				Current as of 01 Apr 2016 <ul style="list-style-type: none"> • Magnus Feuer
Open Address Book (OAB)	TBD	<ul style="list-style-type: none"> • GENIVI GitHub 	TBD	TBD (Jira)	<i>No Active maintenance - Volunteer by email!</i>
Franca Patterns	Here on the wiki (link to the left) Presentations: 2016-04 AMM Paris Franca Patterns.pdf				<ul style="list-style-type: none"> • Johan Thelin
GENIVI Vehicle Simulator	GENIVI Vehicle Simulator	<ul style="list-style-type: none"> • GENIVI GitHub 	Pending	GVS JIRA	<ul style="list-style-type: none"> • Daniel Schambach daniel@elementsgroup.com • James Bennett jbenet9@jaguarandrover.com
GENIVI GSoC 2017 - Zebra			Pending	Pending	Akila Wickramarachchi
Guider	<ul style="list-style-type: none"> • GitHub wiki • Overview (PDF) 	<ul style="list-style-type: none"> • Upstream at GitHub 	GENIVI projects mailing list	GitHub Issues	<ul style="list-style-type: none"> • Peace Lee