



GENIVI Development Platform?

la plataforma para desarrolladores de Software Libre para automoción

Open Expo 2016
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Principal Consultant - FOSS
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The speaker: Agustín Benito Bethencourt

- Principal Consultant - FOSS at [Codethink Ltd](#)
- (Home) Based in Málaga, Spain
- Experienced managing projects in the open.
- GDP Delivery Team Lead at GENIVI Alliance.
 - Also Tools Team Expert Group Lead.
- More about Agustín at <http://www.toscalix.com>



Who is the GENIVI Alliance

The GENIVI Community is currently represented by 140 member companies...

... committed to driving the broad adoption of specified, Open Source, In-Vehicle Infotainment software.

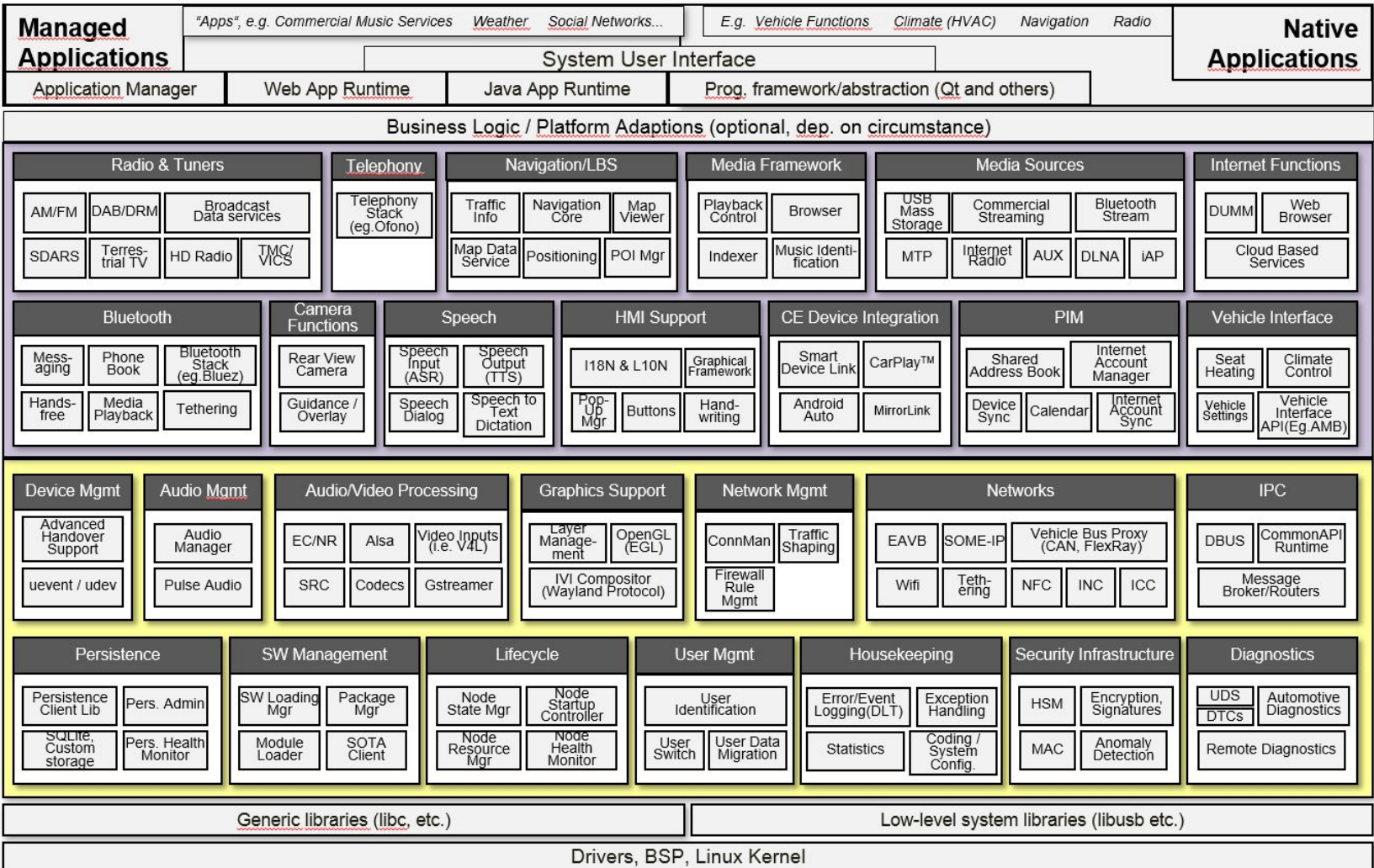


What does GENIVI Alliance do?

- Deliver Open Source IVI middleware which scope is non-differentiating elements.
 - a. Individual software components and standard interfaces/APIs
 - b. A flexible technical architecture
 - c. Pre-integrated, reusable IVI software platform.
- Best practices and tools to ensure deployments when using GENIVI's IVI middleware.

GENIVI Alliance is the home of a variety of Open Source projects.

- Software development projects:
- Integration and delivery projects:
 - Baseline (meta-ivi): focus on product compliance/certification.
 - **GENIVI Development Platform (GDP)**: focused on innovation/developers.



What is GDP?

GENIVI Development Platform:

- Open Source project done “in the open” for developers.
- Integration + delivery project.
- QEMU and several boards as targets.
- Includes meta-ivi (Baseline).
- Yocto and Baserock (future) based.

Why GDP? (i)

- Develop and test middleware (components) for automotive.
- Rapid Prototyping to demonstrate integration with GENIVI components within a Linux based system.
- Develop Open Source UI and apps for automotive.

Why GDP? (ii)

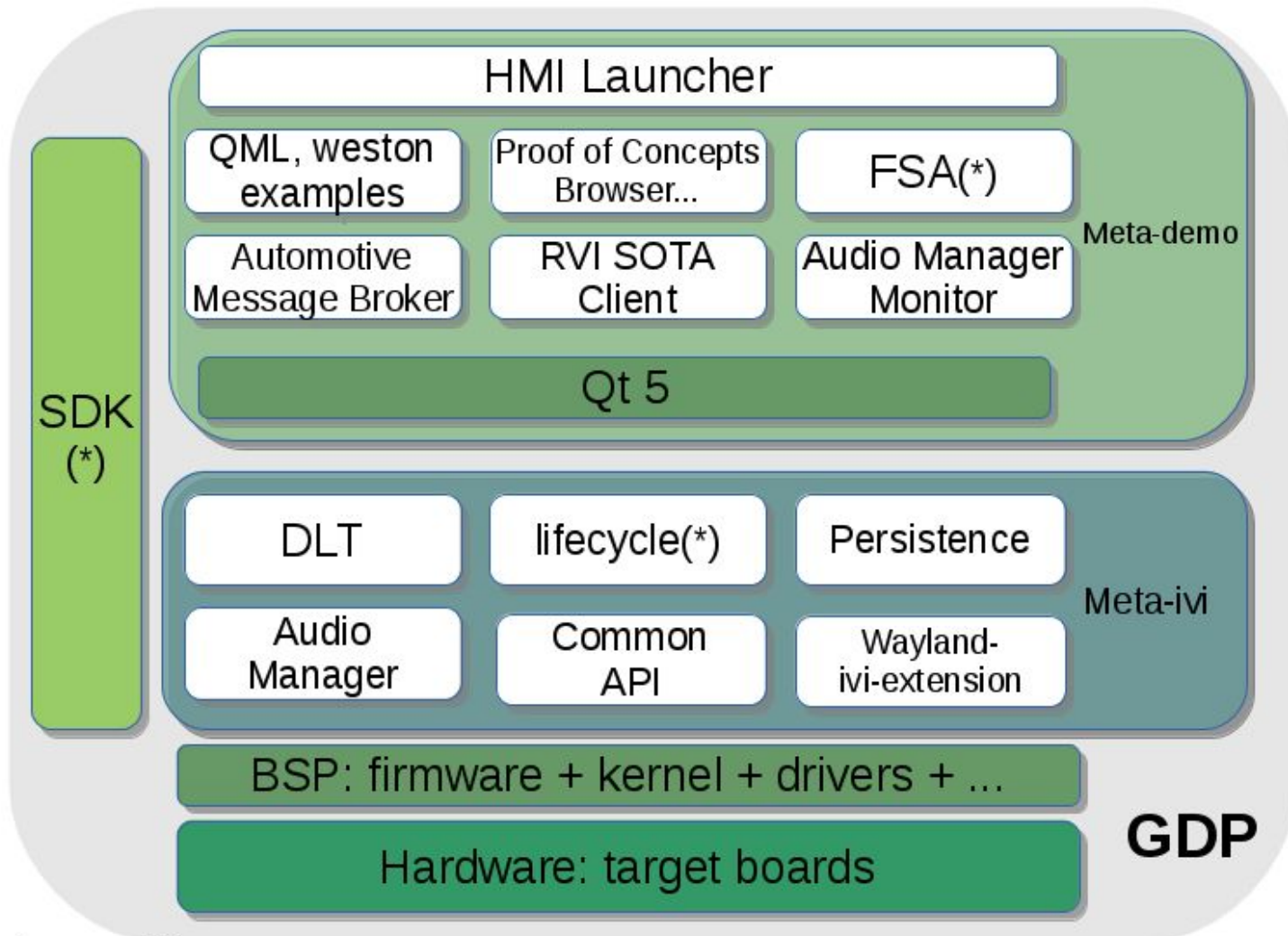
- Introduce yourself to Open Source for automotive.
- Promote your Open Source solutions or hardware within this industry.
- Become part of a disruptive change in automotive.

What is GDP-ivi9

- Latest GDP version, [released](#) on April 19th.
- [Targets](#): QEMU, Renesas Porter, RPi2 & Intel Minnowboard.
- Base for commercial demos from a variety of companies across different events and tradeshow.
- Check [the feature](#) page for highlights.

- [Download GDP](#)
- Cool but... show me the code:
 - [genivi-dev-platform](#) & [meta-genivi-dev](#) repositories.
- [GDP wiki](#).
- Channels:
 - IRC: #automotive at freenode.net
 - Mailing list: <https://lists.genivi.org/mailman/listinfo/genivi-projects>
 - [Weekly project meeting](#).

GDP-ivi9 [block diagram](#).

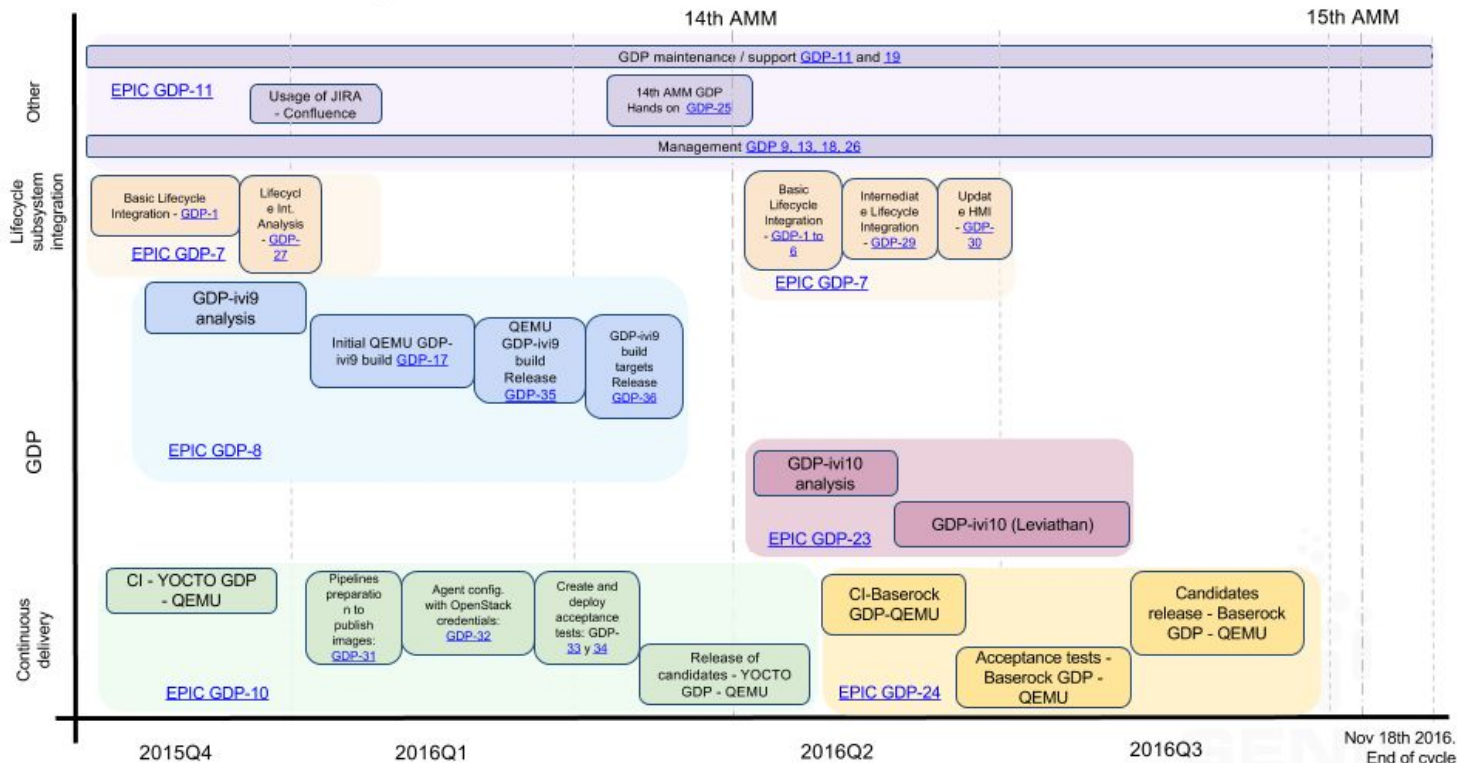


(*) Not available yet in GDP

GDP roadmap

GDP-ivi9
roadmap
(Jan'16)

GDP Maintenance Roadmap



- Contributors: the most important ones. Thank you.
- Maintainers
 - Changhyeok Bae, community member
 - Jonathan Maw, Codethink Ltd.
 - Tom Pollard, Codethink Ltd.
- Other key people
 - Management, Renesas BSP maintenance, community management, devops/IT service, PMO...

Tools GDP project uses today:

- **GitHub:** git repositories and code review.
- **JIRA:** bug tracker and task management tool.
- **Confluence:** wiki.
- **Go.cd:** integration/delivery management (soon in production)
- **Mailman:** mailing lists - discussions and announcements.
- **IRC:** synchronous communication.

Next:

- Testing automation
- Download infrastructure + analytics

- GDP 10:
 - Update Poky/YOCTO.
 - More GENIVI components integrated.
 - Update the existing ones + baseline.
 - Ports to further boards and new features.
- GDP processes:
 - Towards quantitatively managed delivery practices.
 - [GDP 10 requests](#): open discussion to define the roadmap.
 - Repo/branch restructuring.

But above all...

More focus on developers.

Follow [the news](#)

Interesting links

- www.genivi.org

- GENIVI [FAQ](#)
- projects.genivi.org

- [GENIVI Demo Platform](#)

- [GDP Roadmap](#)
- [GDP-ivi9](#)
- [Download GDP-ivi9](#)

- [Get involved:](#)

- Get [the sources](#)
- Contribution [policies](#)
- Report [bugs](#)

- Follow up

- Delivery [reports](#)
- Weekly [status](#)
- GDP [Out There](#)

Questions?

