GDP - Introduction and Status/Roadmap

14th AMM
April 27th
Contributors: the most important ones. Thank you.

Maintainers

- Changhyeok Bae, community member
- Jonathan Maw, Codethink Ltd.
- Tom Pollard, Codethink Ltd.

Other key people

- Stephen Lawrence: Renesas BSP maintainer. Renesas.
- Agustín Benito Bethencourt: management. Codethink Ltd.
GENIVI Demo Platform:

- Open Source project. Done “in the open”.
- Integration + delivery project.
- Includes meta-ivi (Baseline).
- YOCTO and Baserock (future) based.
- Targets QEMU and several boards.

What is GDP?
Why GDP? (i)

- Test middleware (components) developed by GENIVI.
- Rapid Prototyping to demonstrate integration with GENIVI components and specifications.
- Develop Open Source UI and apps for automotive.
Introduce yourself to Open Source for automotive.
Promote your Open Source solutions or hardware within this industry.
Become part of a disruptive change.
What is GDP-ivi9

- Latest GDP version, released on April 19th.
- **Targets**: QEMU, Renesas Porter and RPi2, so far.
- Base for demos across different events and tradeshows.
  - Used in every 14th AMM Hands On sessions.
- Check the feature page for highlights.
Roadmap v1.2 approved on Jan 20th 2016. Last update on March 2nd 2016
Goals

- 1.- YOCTO GDP synchronization with Baseline.
  - 9.0 (Kronos) - Epic GDP-8
  - 10.0 (Leviathan) - Epic GDP-23
  - CI system for YOCTO GDP - Epic GDP-10
  - Targets GDP-ivi9: QEMU, Renesas Porter (for 14th AMM), Renesas Silk, RPi2 and Intel Minnowboard Max.
- 2.- Maintenance, Code Governance, and Community Support - Epic GDP-11
  - 14th AMM Hands on - Task GDP-25
  - GDP Project Management, Planning and Roadmap Definition Support - Epic GDP-11

- 3.- Lifecycle subsystem integration analysis - Task GDP-27

- Other requests:
  - 4.- Lifecycle development towards integration into GDP - Epic GDP-7
  - 5.- FSA integration into GDP. - Task GDP-15
    - Support developers.
  - 6.- Baserock GDP synchronization with Baseline - Epic GDP-24
    - Works towards a Continuous Delivery approach - Epic GDP-24 and Epic GDP-10

Goals are prioritized
GDP Maintenance Roadmap

14th AMM

- Usage of JIRA
  - Confluence

- GDP maintenance / support GDP-11 and GDP-19

15th AMM

- 14th AMM GDP Hands on GDP-25

Management GDP 9, 13, 18, 26

Lifecyle subsystem integration

EPIC GDP-7

- Basic Lifecycle Integration - GDP-1
- Lifecycl e Int. Analysis - GDP-27

Initial QEMU GDP-ivi9 build - GDP-17

GDP-ivi9 build
Release GDP-35

GDP-ivi9 build targets Release GDP-36

EPIC GDP-8

EPIC GDP-7

EPIC GDP-23

GDP-ivi10 (Leviathan)

Candidates release - Baserock GDP - QEMU

CI - YOCTO GDP - QEMU

EPIC GDP-10

- Pipelines preparation to publish images: GDP-31
- Agent config. with OpenStack credentials: GDP-32
- Create and deploy acceptance tests: GDP-33 y 34
- Release of candidates - YOCTO GDP - QEMU

CI-Baserock GDP-QEMU

Acceptance tests - Baserock GDP - QEMU

EPIC GDP-24

EPIC GDP-11

Other

EPIC GDP-1

EPIC GDP-25

EPIC GDP-30

EPIC GDP-7

EPIC GDP-8

EPIC GDP-23

EPIC GDP-24

EPIC GDP-25

EPIC GDP-26
Considerations

- At this point, we expect to release:
  - A QEMU image of GDP-ivi9 on March 8th 2016.
  - A GDP image of the target boards during March up to April 5th
- We would like to start the analysis of GDP-ivi10 before AMM. No commitment at this point.
- The remain Lifecycle integration into GDP work has been estimated in 1 eng. during 2 months.
- The current roadmap until 14th AMM assumes that we will focus 100% of the team into releasing GDP-ivi9
- Codethink is contributing to GDP by creating a Continuous delivery walking skeleton in order to automate key maintenance/delivery activities.
  - The plan is to provide simple automated acceptance tests to those who are willing to contribute code into GDP for 14th AMM.
- The diagram is orientative. Deadlines should be reflected in JIRA cards when the confidence is high.
- Roadmap approved at the GDP Call on Jan 20th 2016 after discussion at the “project” mailing list
GDP block diagram
Future of GDP

- GDP-ivi10: from demo to development platform.
- Expectations:
  - More components integrated: lifecycle, RVI, FSA…
  - Updates of the existing ones + baseline.
  - Porting to further boards.
  - Participate in the GDP-ivi10 requests discussion.
- Towards quantitatively managed delivery practices.
Get GDP-ivi9

- **Download** GDP
- Cool but… show me **the code**.
- **GDP wiki**.

**Channels:**
- IRC: #automotive at freenode.net
- Mailing list: [https://lists.genivi.org/mailman/listinfo/genivi-projects](https://lists.genivi.org/mailman/listinfo/genivi-projects)
- Weekly project meeting.
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
Thank you

Questions?

Happy hacking