CIVIL
INFRASTRUCTURE
PLATFORM

CIP Core regular meeting

Date: March 30th, 2021 (30min~1h)

Time:

- timezones
- Tokyo (Japan) 17:30
- Taipei (Taiwan) 16:30
- Bangalore (India - Karnataka) 14:00
- Frankfurt (Germany - Hesse) 10:30
- London (United Kingdom - England) 08:30

Zoom

Dial-in numbers

Meeting ID: 917 9128 4612

Passcode: 248841

Past meetings

Rules

- http://www.linuxfoundation.org/antitrust-policy
- Please mark with (PRIVATE) those parts that should not appear in the public version of these minutes.

Roll Call

Participants (italic means did not attend)

- Daniel Sangorrin [TOSHIBA]
- *Kazuhiro Hayashi [TOSHIBA]*
- Dinesh Kumar [TOSHIBA]
- Venkata [TOSHIBA]
- Shivanand Kunijadar[TOSHIBA]
- Masato Minda [Plat'Home]
- Chris Paterson [Renesas]
- *Hung Tran [Renesas]*
- *Minh Tran [Renesas]*
- *Nhat Thieu [Renesas]*

- *Kento Yoshida [Renesas]*
- *Kazuhiro Fujita [Renesas]*
- *Christian Storm [Siemens]*
- *Hiraku Toyooka [Cybertrust]*
- *Sam Wilson [Codethink]*
- *Jan Kiszka [Siemens]*
- *Jonathan Sambrook [Codethink]*
- *Masashi Kudo [Cybertrust]*
- *SZ Lin [Moxa]*

Discussion

Action items updates (2021/03/16~03/30)

- AI (Security group):
  - Draft Threat Modeling document is shared for review
    - https://gitlab.com/cip-project/cip-documents/-/blob/master/security/threat_modelling.md
    - **No update**
- **AI(Daniel): send BBB config**
- No activity
  - AI(Daniel): finish cip-core-sec
    - TODO: update the ISAR gitlab-ci integration branch
  - AI(Daniel): prepare Debian repository for CIP Core (70%)
  - AI(Kernel group): use CIP core preempt-rt.cfg fragments
  - AI(Core group): use upstream kernel configs in ISAR
    - (Jan) Who has a BBB and could complete this cleanup?
    - (Quirin) will send a v2 patch for BBB that includes 4.4
      - **https://lore.kernel.org/cip-dev/f8f989ef-7ee2-42ee-a922-f53c6d2b07fe@siemens.com/T/#m4b75aee175603bd1f06a8eec2b47ac08bda85c5a**
  - AI(Moxa): cip-kernel-sec MRs not working
    - original report by Jonathan Sambrook (codethink)
    - Post this issue to the gitlab forum
      - https://forum.gitlab.com/t/500-error-when-creating-merge-requests/47830?fbclid=IwAR3zMh5e9TnkgZNyjaXtMdK-hJPeao0eFwjxMXZZewpFkDFwi20Aa0Lp22U

Collaboration with Helmut Grohne

- Helmut Grohne <helmut@subdivi.de> from Debian
  - build systems, embedded debian and potential collaboration for the future

- 5 points where we could collaborate in things that could be beneficial for both ends
    - ISAR: chroot-less installation (using DPKG_ROOT)
        - You don't need qemu for the cross installation
        - You don't need root-permission
    - Essential package removal
        - perl
        - bash
            - help with GPLv3 issues?
        - beneficial for the tiny profile but also for the generic (less packages to maintain long-term)
    - Common API to package builders so that image builders can exchange sbuilder, pbuilder, dpkg-buildpackage as needed
    - Strengthen busybox (or try toybox) in Debian
        - maybe for the tiny profile it helps
- have a call with him separately?
- interest in musl?
    - skeptical..
- This is a big effort
    - Debian cross-compile project?
    - Debian multi-arch?

Government board would have to decide about funding that

	Apr 15 THU 8:30 PM 9:30 PM	Apr 12 MON 1:00 PM 2:00 PM	Apr 12 MON 8:30 PM 9:30 PM	Apr 13 TUE 1:00 PM 2:00 PM	Apr 13 TUE 8:30 PM 9:30 PM	Apr 14 WED 1:00 PM 2:00 PM	Apr 14 WED 8:30 PM 9:30 PM	Apr 15 THU 1:00 PM 2:00 PM
8 participants	✓8	✓5	✓7	✓5	✓6	✓4	✓7	✓4
	★							
Yoshitake Kobayashi	✓		✓				✓	
Kazuhiro Hayashi	✓	✓	✓	✓	✓	✓	✓	✓
Punit Agrawal	✓	✓	✓	✓		✓		✓
Chris Paterson	✓				✓		✓	
Jan Kiszka	✓		✓		✓		✓	
Nobuhiro Iwamatsu	✓	✓	✓	✓	✓	✓	✓	✓
Masashi Kudo	✓	✓	✓	✓	✓	✓	✓	✓
Dinesh Kumar	✓	✓	✓	✓	✓		✓	

- By the way, it would be great if we could also gather other people creating tools for building OS/SDK images using Debian binaries.
    - Matthias Lüscher: created an ansible-based build system called EDI, but it seems he uses QEMU as well (https://github.com/lueschem/edi)
        - https://www.get-edi.io/A-new-Approach-to-Operating-System-Image-Generation/
    - Someone from the Debos project (obbardc or sjoerdsimons) https://github.com/go-debos/debos
- Alignment between cip core testing and Smita from mentor
    - autopackage
    - how to reuse what debian is using
    - https://gitlab.com/cip-project/cip-core/isar-cip-core/-/issues/6
    - AI: discuss about this tomorrow
- Other possible topics
    - Reproducible builds
    - Read-only Debian
    - License (dep5 status)
- Setup our priorities
- What should we prepare for the meeting?
- Should we invite other creators of Debian image builders?
- Budget required

- Static code analysis?

Other discussions

- Permissions for non-maintainers (protected branches)
    - permissions for non-members who want to contribute to CIP
- Alerts for possible repository infiltration

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CIP Core lifecycle

- Asking TSC approval: “CIP lifecycle definitions”
    - Requests:
        - Move cip-lifecycle from cip-playground to cip-project
        - Remove Debian 9 from maintenance targets of CIP Core
        - Add Debian 11 from maintenance targets of CIP Core
    - Due date: Feb. 19th (Fri)
    - Please check the lifecycle information then vote
    - From extended TSC meeting:
        - AI(Daniel): add fixed_date boolean and set it to false for the unfixed ones
        - Result: Approved with he condition that the AI is completed
            - +1: Renesas, Siemens, Toshiba (Cybetrust, Hitachi, Moxa, Plat’home)
- AI completed
    - 1. Add “projected” flag to each start/end dates:
        - https://gitlab.com/cip-playground/cip-lifecycle/-/commit/66b87fd0288cb66aea24a992fb1015bd0f6ae147
    - 2. Add the explanation about “Projected EOL” to README.md:
        - https://gitlab.com/cip-playground/cip-lifecycle/-/commit/a9fc80c0ffca430a787aaff37e8090c7407e05aa
    - Now, everyone can know that…
        - All “unmarked” end dates in lifecycle.txt are “Projected EOL”, which has been decided by each project but may be earlier or later in future
        - End dates with “(Predicted)” are just predicted dates which has not been officially decided by each project

Software Updates WG

- No updates
    -

Q&A or comments

- CIP core phase2
    - Do we need to do self-maintenance after ELTS? Or, funding?

Items that need approval by TSC voting members

None

Future topics

- SDK images
- Cross-compile
- Tiny profile using other method (alpine?)
- Reproducible builds
- Meetings with lamby and Helmut