CIP Core regular meeting

Date: 9th June 2020 (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) 09:30

Zoom

Dial-in numbers

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.
- **Please write your own minutes/comments (unless you are on the phone)**

Roll Call

Participants

- Daniel Sangorrin [TOSHIBA]
- DInesh Kumar [TOSHIBA]
- Venkata [TOSHIBA]
- Masato Minda [Plat'Home]
- Chris Paterson [Renesas]
- Kazuhiro Fujita [Renesas]
- Kento Yoshida [Renesas]
- SZ Lin [Moxa]
- Alvin Chen [Moxa]
- Jan Kizka [Siemens]

- Masashi Kudo [Cybertrust]
- *John Ward [Codethink]*
- please add your name here

Discussion

Previous action items

- AI: merge security branch into the main branch
- AI: prepare another target for testing
- AI: prepare a repository with snapshot capabilities
- AI: create a gitlab wiki page with links to all the images
    - Also signatures, metadata, readme, install.txt..
    - Refer to that page from the CIP HW reference wiki page
- AI: rename opt-targz-img to opt-lava-img?
- AI: list of test dependencies to add

Multiple OS Image releases

Security layer

- Daniel sent an e-mail specifying how to proceed to include the security layer dependencies (packages and kernel configuration) into CIP Core
    - Send patches to the cip-dev list for review
        - **AI(Dinesh): send the branch as a patch series to the cip-dev. Jan and others on the list will check them**
    - Q: What is the status?
        - **Dinesh: no progress yet**
    - **Jan: Kernel configs need to be moved to the CIP kernel first**
        - **Because they need to be shared with Deby**
        - **Only the configs in the kernel are used for testing**
            - **The kernel built by ISAR is not tested**
            - **In ISAR we should only store configuration**
        - **AI(Jan) will look for someone to update the kernel recipe in isar-cip-core**
- Security tests
    - Originally were just a set of instructions in an Excel file
    - Need to be modified into Test definitions
        - **Chris: The test-definitions repository is just a clone of linaro's and it is not used right now. We are using this one:**
            - **https://gitlab.com/cip-project/cip-testing/cip-kernel-tests/-/tree/master/**

        - **Daniel: it would be a good idea if we use the same format as linaro so that we can share the tests with them and also get features such as the ability to run them locally or from Fuego**
            - **Chris: agreed**
    - Procedure to change the test definitions
        - **Chris: send patches to cip-dev and we will review them**

Testing layer

- The same procedure applies to the testing layer.
- TODO:
    - add LTP to master (it was on isar-cip-core next)
        - **added to isar-cip-core master by jan during the meeting**
        - **AI: add it to the cip-core testing image**
    - add python2.7 or python3?
        - **Chris: only python3 is fine for testing**

Image release process

- Integrity and authenticity
    - We need to provide GPG signatures
    - GPG public key should be in a trustable website
        - How about our website? https://www.cip-project.org/
    - Is it ok to put GPG private keys in gitlab-ci?
        - Ben said it is not a good idea
    - **Jan: don't use signatures until we have something proper**
- License information
    - Don't we need to release license information?
    - **Jan: we should explain how to download the sources**
    - **Jan: let's see what other LF projects are doing**
        - **AI: consult in the TSC meeting and check other projects such as Automotive linux**
- Repository snapshots
    - We could use snapshots but if something happens we are responsible.

Tiny profile

- Add part of the security layer to the tiny profile
    - meta-debian has support for some security packages
    - **Dinesh: part of the security packages are in meta-debian, but the rest are only in ISAR.**
        - **AI: add those that are already in meta-debian**

Security group

1. Discussion for python version support

a. It has been highlighted by Daniel-san this should be discussed either with TSC members or Debian/ETLS since CIP Core is mainly expected to focus on support for core packages
b. Since this point was not discussed in previous CIP Core meeting, let's discuss it tomorrow and decide next step accordingly

2. Discussion for how to track CVEs for security packages
   a. It has been suggested by Daniel-san, CVEs related to security packages should be tracked by security WG in ML
   b. Let's discuss whether it would be more prudent to track CVEs of all CIP Core packages commonly or separately by individual groups or functionality
   Daniel: if we can automatize this using debsecan during the build then we could generate CVEs for all images.
3. Session lock issue discussion to conclude it
   a. We have verified if systemd source code is modified and we write a sample application which subscribes to dbus notification, then using vlock this requirement can be met. This has been verified on Debian VM in text and GUI mode, on CIP isar image it is in progress.
   b. We need to discuss whether it makes sense to make changes in systemd, maintain a separate app as well as as vlock, dbus in CIP Core etc to support this requirement.
   Daniel: this could cause a lot of changes, perhaps it is better to consider TMOUT. Please send the discussion to the cip-dev mailing list to see what feedback we get.
4. About CIP IEC certification documentation approach
   a. We have created templates for MS word and excel and it has been reviewed by TLF team, anyone can use them in future
   b. We have decided to create most of the documents in Markup and keep them in gitlab to maintain version history
   c. Some documents would be kept as public and some documents would have strict access rights because of IEC standards contents license issues
   d. We need to discuss whether anyone has any objection in this approach or any suggestion to incorporate

Next action items

- **AI(Jan): look for someone to update the kernel recipe in isar-cip-core so that it uses the defconfigs upstream**
  - **AI(Security group): submit kernel config changes upstream (nftables)**
- **AI(Security group): merge security branch into the main branch**
  - **send patches to cip-dev for review**
- **AI(Testing group): prepare another target for testing**
  - **add python3**
  - **add LTP**
- **AI(Security group): add debsecan to the CI to generate CVE reports**

- **AI(Security group): add security packages to tiny profile (Deby)**
- **AI(testing group): use the same format as linaro test definitions**
    - **AI(security group): submit security tests**
- **AI: rename opt-targz-img to opt-lava-img?**
- **Image releases**
    - **AI(cip core): prepare a repository with snapshot capabilities**
        - **start with debian snapshots**
    - **AI(cip core): create a proper signature mechanism**
        - **start without signatures**
    - **AI(cip core): investigate about license compliance requirements**

Message from Jan after the meeting

a quick follow-up from our cip-core meeting today:

isar-cip-core is already able to pull configs from cip-kernel-config. It
does so for all machines where USE_CIP_KERNEL_CONFIG = "1", ie.
hihope-rzg2m, iwg20m and simatic-ipc227e. So we "only" need to check the
other targets and see how they can be migrated.

And we should remove the old defconfigs from isar-cip-core then (some
could already go).

Items that need approval by TSC voting members

- [DRAFT] Budget for the repository (EC and S3)
    - EC2: aptly, httpd server..
    - S3: 2 or more TB

Future topics

- SDK images
- Reproducibility
- Package lists
    - Daniel: I think this should be derived from the package list manifests from our images. And it is related to our snapshots as well.