

FuSa SIG September, 24th 2019

Agenda items are added black.

Minutes are added in blue.

Closed ACTIONS in green.

Open ACTIONS in red.

A) Link to recorded sessions

[1] Recording of test related session @ <https://citrix.sharefile.com/d-sf09863264484402b>

[2] Recording of this session @ I don't seem to have a recording yet: will re-send should it turn up

B) Attendees (right now based on past attendees - delete/add as appropriate)

- Antonio Priore
- Julien Grall
- ~~Robin Randhawa~~
- ~~George Dunlap~~
- Lars Kurth
- Alex Agizim, Artem Mygaiev
- ~~Kate Stewart~~
- Hisao Munakata
- Francesco Rossi
- ~~Stefano Stabellini~~
- ~~Piotr Serwa~~
- ~~Robert Heinen~~
- ~~David Ward~~
- ~~Claudio Gregorio~~
- ~~Christopher Zimmer~~
- Vasco Fachin

Above is a list of past regular attendees. UPDATE

C) Actions recently closed

High: Lars to set up a smaller meeting with Francesco Brancati, Kate, Artem & Vasco to walk through the test infrastructure we have. Will talk to Ian Jackson and/or other stake-holders.

Initial chat with Ian and Andrew. Will follow up with more detail.

Agreed.

Ian requested a set of questions, to make the session more productive **before** the meeting.

There have also been changes to how we approach CI, which will create new opportunities
Open questions on how much testing needs to be done on real Hardware vs. e.g. in a simulated environment via QEMU (e.g. Zephyr is mostly doing simulation, while AGL uses new LAVA versions)

Francesco reviewed the material

Note: Lars cannot set up a call for the next two weeks

Kate in Europe next week, may be difficult

Note: I believe we may have recorded the session. If so, I will publish here after the meeting

Medium: Francesco to collate information from relevant ISO documents and share with group

Was sent to Artem

Did not discuss, please send to list

See <https://lists.xenproject.org/archives/html/fusa-sig/2019-09/msg00008.html>

C) Actions not yet resolved

Medium: Julien to talk to Lava owner on state and usability

Julien: I spoke with one of the Lava owner last Friday. It looks like they have done some works to use QEMU and KVM in Lava 2 a couple of years ago. We could possibly re-use what has been done for Xen. I haven't had yet the chance to speak with Wookey who did the work.

Medium: Lars to put together a proposal on coding standards and checking tools as a test-case for MISRA

Lars: Have not had time to do this yet and wont be able to do so in the next 2 weeks

D) Proposed Agenda Items

1. Artem update

Have managed to get license license for Arm safety compiler

Have shared code with XILINX and Arm (Matt) on GitHub

Finalizing closing linker issues

Will post series with changes to build Xen with Arm safety compiler

Most changes are minor and linker changes

Lars: Need some CI and a discussion with the community on practicability

ACTION: Lars to chat with Matt

Continuing to work on mailing list parsing

Had a call with Cregit folks: Artem owes them a requirement

Trying to understand whether there is overlap with Xen's needs

Lars: is looking at getting a community proposal for being able to tag

2. Lars to give a brief summary of the ELISA #2 Workshop

See <https://lists.xenproject.org/archives/html/fusa-sig/2019-09/pdfnVQ7EGSfio.pdf> for presentation by Lars given at the workshop

See <https://docs.google.com/document/d/1X3EAIYrBo1LyvfyWvzsQCev5jUxBvgW2oeL17ACmsiM/edit> for ELISA #2 Workshop agenda (with at this stage incomplete notes)

See <https://docs.google.com/document/d/1X3EAIYrBo1LyvfyWvzsQCev5jUxBvgW2oeL17ACmsiM/edit> for ELISA #2 Workshop agenda (with at this stage incomplete notes)

<Please refer to the recording for Lars' section of the update>

Artem: reviewed the ELISA material

Artem: can collaborate on the tools side. Also need to closely monitor opinions and shifts within that group and participating assessors

Antonio: direct reports will be involved - Antonio can mention it. Once Robin is back (he will be in the ELISA and Xen group)

3. Lars brief summary on discussion with maintainers regarding requirements management

Antonio: volunteered to look at an example - have found something and need to obfuscate details

Lars: better to do this right rather than early (next 4-6 weeks) - include Stefano early on

4. Francesco to briefly walk through iso26262 tailoring example

See <https://lists.xenproject.org/archives/html/fusa-sig/2019-09/xlsxUTV6kPPHlk.xlsx> (document will download when you click the link)

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<Please refer to the recording for the spreadsheet walkthrough >

Artem: went over part 2. Wanted to create a baseline for discussion and processes on how we could help address the gaps

Need a few more days to work on this

ACTION: Artem will send to the group

ACTION: Francesco to publish sanitized version of sheet

ACTION: Artem, Francesco, Lars and Artem to discuss what skills we need in a sub-group to drive progress and see how we can make this happen

Focus on Part 6, 8 and 9

Antonio: do need to look at aspects of safety culture that the open source community

already implements

I should look at the gaps on traceability and accountability and how the community stands on this

So have to decide whether we want to make proposals and tweaks

There needs to be a lot of listening, before any proposal for change is made

5. Francesco to share findings from first mirsa C evaluation and classification on the minimal xen build using the understand tool.

Have a list of violations

Can share the results: but have to check with legal

Two different views in community: all code should be compiled vs. only what is needed should be compiled

A lot of code common code is not compiled

Andrew was discussing ideas with having more configs

ACTION: Francesco team to double check results and later share with group

E) AOB