Community Call June 27th (instead of July 4) 2019

Agenda items are added black.

Minutes are added in blue.

Closed ACTIONS in green.

Open ACTIONS in red.

Past minutes are in the folder https://cryptpad.fr/drive/#/2/drive/edit/uZ1UjYxICjse+XlJrXrIwZXN/

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

Attendees marked in **bold**

- **Lars Kurth**, Ian Jackson, **George Dunlap**, Igor Druzhinin**, Sergey Dyasli,** Paul Durrant, **Andy Cooper**, Roger Pau Monné, Anthony (Citrix)
- **Juergen Gross**, **Jan Beulich** (Suse)
- Brian Woods (AMD)
- **Tamas K Lengyel (Intel)**
- Rian Quinn, Rich Turner (AIS)
- Christopher Clark, **Rich Persaud (OpenXT Project)**
- **Stefano Stabellini (Xilinx)**
- **Julien Grall (Arm)**
- **Viktor Mitin, Volodymyr Babchuk (EPAM)**
- **Roman Shaposhnik (ZEDEDA)**
- **Doug Schaefer (Rackspace)**

Above is a list of past regular attendees. UPDATE

B) Actions not yet resolved

1. ACTION: Lars to investigate some LF projects regarding Code of Conduct: Make an e-mail summary and send to xen-devel@
   See https://lists.xenproject.org/archives/html/xen-devel/2019-06/msg01518.htmll/2019-06/msg01518.htmll/2019-06/msg01518.htmll/2019-06/msg01518.html - done

   At the summit we agreed that I would use the Linux Foundation's event CoC as a template (I need to write down my notes still)
   Also, my proposal to split as proposed in the mail above would hold

C) Proposed Agenda Items

C.1) Coding Standards and Checking tools (Lars)

Lars volunteers to facilitate. There are several separate threads on this topic: these are raising interesting issues

- https://xen.markmail.org/thread/r54z3nm4dahvbdsp (looking at astyle)
- https://xen.markmail.org/thread/iqqdnef5efpzzm62 (looking at a modified clang-format)
- https://xen.markmail.org/thread/mttenfl6btntasf5markmail.org/thread/mttenfl6btntasf5 (CODING_STYLE: clarify function argument indentation)

I think using clang-format has shown that there are maybe some undocumented rules we follow and some which are fuzzy.
I would like to find a way to formalize these, which I believe is necessary if we want to use tool
We ought to do this without much bike-shedding

JULIEN: believes that it would be better to clarify the coding style before implementing checking tools
ANDREW: 1st and foremost it is not clear in the tree which files have which style
ANDREW: Files which have recently been copied from LINUX should be kept in Linux style, the rest should be in Xen style
ANDREW: Fairly large cosmetic changes in the tree
ANDREW: Need to decide - what is Xen style and what is not. Define what is Xen style
ANDREW: Existing style document is incomplete
ANDREW: Need to find out style
ANDREW: And then work out how to convert to style by one committer - backporting is not a huge issue
JUERGEN: start with checkpatch that checkes Signed-off-by: ... - dont have a CHECKPATCH script in the tree and need some info on what file
JUERGEN: not sure whether a gradual approach to conversion works
JULIEN: believes that most of the issues are boundary cases / undefined cases

JAN: Something describing a complete coding stytle is not realistic - over the years new issues will appears
JULIEN: Not looking for completeness. We spend too much time arguing about coding style

ANDREW: Number of cases where style related discussions happen in regular patches. Not helpful and wastes time
JAN: Fully agrees

JULIEN: Someone needs to own it. And people are afraid of kicking off a bike-shedding discussion

TAMAS: Starting with an existing style and having an automatic tool would be more realistic (1/3rd of file pass BSD style no problem). Dont have time to do style checking for large series

JAN: Switching to Linux File would be disruptive in churn. Dont agree with Andrew to do a big swipe in one go.
ANDREW: Xen style is a derivation of BSD style

ANDREW: Something we need in addition to the coding style, is a style how we expect code to be written. When to use BUGON(...) - Important for new contributors. Causes security vulnerabilities because of this.
JAN: Wasn't George planning to something like this. Submitted patches and got feedback.

VIKTOR: It will not be easy to do complete automation. The easiest way would be to use Linux style and checkpatch. But we can use clang-format
VIKTOR: Why cant we just go for Linux or BSD out-of the box
GEORGE: Minimize churn
ANDREW: For every deviation there is a reason - usually general source code readability
STEFANO: the Linux style is too different from Xen
STEFANO: pick a style that exists and use minor - start from the BSD style as close enough to Xen

VIKTOR: Has concerns about checkability.

Agreements

- Start with checkpatch that checkes Signed-off-by: ... - dont have a CHECKPATCH script in the tree and need some info on what file
- Start with BSD style: document what deviates in CODING STYLE, undocumented changes - and test with current check-patch changes
- Agreed on voting process

C.2) 4.13 Development Update (Jürgen)

Any new series to add?
Any series finished (AVX512 AFAIK, what about e.g. x2apic for AMD?)

AVX512 - original series is complete. Intel will continue to add instructions, we will catch up
x2apic for AMD basic series has gone in - can take a staging branch and boot new AMD HW

Delayed:
uCode loading

C.3) Docs Licensing (Andrew)

ATM everything is GPLv2 but from Andrew and thus license can be changed
Rich proposed to license this to use CC-BY 4.0
Lars agrees this is a good idea.

D) New Series / Series that need attention / Series that are important

Note: Agreed list of priorities is

at https://cryptpad.fr/pad/#/2/pad/edit/GI1eh1isXzpVQ9lLeHrnIp+n/

D.1) OP-TEE patches (Volodomyr)

Hypervisor part has been merged
Additional patches still open but being looked at - but should be merged
Tools part is missing

E) AOB

1. None