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Testing and Fuzzing MC Welcome

Wednesday, 22 September 2021 07:00 (10 minutes)

The Linux Plumbers 2021 Testing and Fuzzing track focuses on advancing the current state of testing of the Linux Kernel. We aim to create connections between folks working on similar projects, and help individual projects make progress.

We ask that any topic discussions will focus on issues/problems they are facing and possible alternatives to resolving them. The Microconference is open to all topics related to testing & fuzzing on Linux, not necessarily in the kernel space.

Potential topics:

- KernelCI: Improving user experience. (https://groups.io/g/kernelci/message/948)
- Growing KCIDB, integrating more sources. (https://lists.yoctoproject.org/g/automated-testing/message/855)
- Better sanitizers: KFENCE, improving KCSAN. (https://lwn.net/Articles/835367/)
- Using Clang for better testing coverage: Now that the kernel fully supports building with clang, how can all that work be leveraged into using clang's features?
- How to spread KUnit throughout the kernel?
- Testing in-kernel RUST code.

Things accomplished from last year:

- KCIDB achieved multiple integrations, acting as a central collecting point for KernelCI, Red Hat's CKI, syzbot, ARM, Gentoo, Linaro's TuxSuite etc...
- KFENCE was successfully merged. (https://lwn.net/Articles/835367/)
- Clang: CFI, weeding out issued upstream, etc.
- KUnit started acting as the standard for some drivers. (https://www.youtube.com/watch?v=78gioY7VYxc)

Confirmed to-be attendees:

- Sasha Levin
- Kevin Hilman
- Guillaume Tucker
- Alice Ferrazzi
- Veronika Kabatova
- Nikolai Kondrashov
- Antonio Terceiro
- Mark Brown
- Don Zickus
- Enric Balletbo
- Tim Orling
- Gustavo Padovan
- Bjorn Andersson
- Milosz Wasilewski
- Shuah Khan
- Martin Peres
- Arnd Bergmann
- Remi Duraffort
- Peter Zijlstra
- Daniel Stone

- Jan Lübbe
- Dmitry Vyukov
- Brendan Higgins
- Greg KH
- Anders Roxell
- Guenter Roeck
- Jesse Barnes
- Kees Cook

I agree to abide by the anti-harassment policy

I agree

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Session Classification: Testing and Fuzzing MC

Track Classification: Testing and Fuzzing MC