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KUnit: New Features and New Growth

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The past year has been an exciting one for KUnit, but there's still a long way to go to test a project as large and complicated as the Linux kernel. In this talk, we'll go over what KUnit has been doing since last year, and discuss how we can increase KUnit's adoption throughout the Linux kernel.

We'll begin with an overview of new and improved features that have been added to KUnit, such as QEMU support in kunit_tool, SKIP test support, as well as improvements to documentation. We'll also touch on features and ideas that we have been experimenting with, and the challenges and opportunities they have presented.

We will then discuss KUnit's growing use, before transitioning into how we can increase adoption of KUnit across different parts of the kernel: for example, by migrating suitable ad-hoc tests into KUnit. We'll also talk about the challenges of testing drivers and subsystems, and how we are trying to build up a comprehensive set of tests in a major Linux kernel subsystem as a model to show how it can be done in other subsystems.

At this point, we will transition to having a group discussion about how we can grow KUnit usage across the kernel, what the complexities of testing different subsystems are, and which of these features and plans seem most useful to the community.

I agree to abide by the anti-harassment policy

I agree

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