

So you want to torture RCU?

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Let's face it, using synchronization primitives such as RCU can be frustrating. And it is only natural to wish to get back, somehow, at the source of such frustration. In short, it is quite understandable to want to torture RCU. (And other synchronization primitives as well, but you have to start somewhere!) Another benefit of torturing RCU is that doing so sometimes uncovers bugs in other parts of the kernel. You see, RCU is not always willing to suffer alone.

This talk will give an overview of how to torture RCU using the rcutorture test suite. It will also present a few of rcutorture's tricks that permit short tests on a smallish number of modest systems to nevertheless provide some assurance that RCU will run robustly on billions of systems across the inner solar system.

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