RCU configuration, operation, and upcoming changes for real-time workloads

Wednesday, 11 September 2019 10:30 (30 minutes)

RCU has changed a surprising amount over the past few years, what with elimination of many RCU Kconfig options in favor of kernel boot parameters, RCU flavor consolidation, ongoing work on speeding up RCU’s handling of offloaded callbacks, and newly started work on providing warnings when RCU’s callback handling is overloaded. These changes affect how RCU behaves, and in some cases in ways that affect realtime usage. This talk will summarize the changes relevant to realtime, and outline how this affects configuration and tuning of RCU.

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Session Classification: Real Time MC