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Task Migration at Google Using CRIU

Tuesday, 13 November 2018 14:35 (15 minutes)

This talk focuses on our use of CRIU for transparent checkpoint/restore task migrations within Google's shared compute infrastructure. This project began as a means to simplify user applications and increase utilization in our clusters. We've now productionized a sizable deployment of our CRIU-based task migration infrastructure. We'll present our experiences using CRIU at Google, including ongoing challenges supporting production workloads, current state of the project, changes required to integrate with our existing container infrastructure, new requirements from running CRIU at scale, and lessons learned from managing and supporting migratable containers. We hope to start a discussion around the future direction of CRIU as well as task migration in Linux as a whole.

I agree to abide by the anti-harassment policy

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Session Classification: Containers MC