

Exploring Profile Guided Optimization of the Linux Kernel

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Abstract

The Gnu/Linux Tools Team at Microsoft spent some time this year looking at using profile guided optimization in GCC to optimize the Linux kernel. As part of this plan we looked into enabling Link Time Optimization as well. Though we were only able to demonstrate small wins, I would like to share our experience through this process and share experience with LTO and PGO on other non-Linux operating systems.

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