

LTO Support Coming To Linux 3.15, Making For A Faster Kernel

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Earlier in April I wrote about link-time optimization support for the kernel nearing reality. LTO support for the Linux kernel has been in the works since 2012 but only with Linux 3.15 will it become a mainline possibility. Link-Time Optimizations via GCC and other compilers allow for various compile-time optimizations to be applied across the binary as a whole. Enabling link-time optimizations can yield some significant performance improvements but results in much slower compile times and with large programs can cause problems due to the size of optimizing the complete binary at once.

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