rustc_codegen_gcc: A gcc codegen for the Rust compiler

Monday, 20 September 2021 08:00 (45 minutes)

The Rust programming language is becoming more and more popular: it’s even considered as another language allowed in the Linux kernel. That brought up the question of architecture support as the official Rust compiler is based on LLVM. This project, rustc_codegen_gcc, is meant to plug the GCC backend to the Rust compiler frontend as a relatively low-effort: it’s a shared library reusing the same API provided by the Rust compiler as the cranelift backend. As such, it could be used by some Linux projects as a way to provide their Rust softwares to more architectures. This talk will present this project and its progress.

I agree to abide by the anti-harassment policy

I agree

Primary author: BOUCHER, Antoni
Presenter: BOUCHER, Antoni
Session Classification: LPC Refereed Track
Track Classification: LPC Refereed Track (Closed)