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Getting Started with LLVM Core Libraries

By Bruno Cardoso Lopes

Packt Publishing. Paperback. Condition: New. 314 pages. Dimensions: 9.2in. x 7.5in. x 0.7in. Get to grips with LLVM essentials and use the core libraries to build advanced tools. About This Book Learn how to configure, build, and use LLVM and Clang based tools. Explore the depths of the LLVM front-end, IR, code generator, and libraries, and learn how a modern compiler is implemented in a practical way. Customize your project to benefit from Just in Time compilation (JIT), static analysis and source-to-source transformations. Who This Book Is For This book is intended for enthusiasts, computer science students, and compiler engineers interested in learning about the LLVM framework. You need a background in C and, although not mandatory, should know at least some compiler theory. Whether you are a newcomer or a compiler expert, this book provides a practical introduction to LLVM and avoids complex scenarios. If you are interested enough and excited about this technology, then this book is definitely for you. In Detail LLVM is a bleeding edge compiler technology framework. Easily extendable and designed as a multitude of libraries, LLVM provides a smooth experience for compiler newcomers and reduces the steep learning curve often associated with compiler development. To start, this book...



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