

Getting Started with LLVM Core Libraries



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A practical guide to understanding LLVM with the help of source code references and snippets, insights on how compiler stages connect to each other, descriptions of important data structures, and examples of how to use the tools provided by LLVM. Some topics are explained with compelling hands-on examples that you are

encouraged to try out.

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.

作者介绍:

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标签

编译器

llvm

LLVM

编译原理

计算机

complier

C++

计算机科学

评论

踏马哒终于有书看了！！文档看的我想吐。。。

几乎没有什幺卵用,太简单太泛泛了,更推荐官方doc和代码注释..

概念性介绍非常全面细致, 但示例过于简单, 真写代码时还是得刨源码 :S

真香

LLVM是我见过的最繁琐的一套工具了, 这本书安装就相当麻烦, 比较推荐的是去下载作者提供的docker来做实验, 这本书对LLVM的各个方面都做了不同程度的介绍包括frontend, IR, backend还有JIT, 但是都非常浅, 也没有足够多的测试, 这几点都比较失望, 但是考虑到只有这一本比较系统的LLVM书, 还是可以入门看一下的。

个人推荐学好C++以后直接去写一门语言入门LLVM, 比如去看

<https://llvm.org/docs/tutorial/MyFirstLanguageFrontend/index.html>

整体上来说都可以跑通, 但是部分章节代码也变了, 建议上github上面fo最新版 (字数不够了。。。)

经过梳理比看文档要舒服一些

比较全面, Just enough to get started

just enough to Getting Started.

今晚刚看完, 概念介绍的很细致, 从安装部分等甚至都是手把手的教, 并且对LLVM (包括Clang) 等整个体系都有介绍, 并且很有意思的加入了clang analyzer, 非常适合有编译基础的LLVM初学者, 但是靠这本书不能完成基于LLVM开发编译器的目的。

相对不错，适合初学者。缺点：不够深入，版本略旧：v3.4的版本----和当前v3.8版本还是有些差异

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书评

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Some topic...

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