# addr2line 要被llvm-symbolizer替换?

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在
https://android.googlesource.com/platform/prebuilts/clang/host/linux-x86/+/a71fa4c09d7109d611ee63964fc9fca58fee38cd看到新增了llvm的改动:

- clang-r450784d/bin/llvm-addr2line[Added - diff]
- clang-r450784d/bin/llvm-ar[Added - diff]
- clang-r450784d/bin/llvm-nm[Added - diff]
- clang-r450784d/bin/llvm-objcopy[Added - diff]
- clang-r450784d/bin/llvm-objdump[Added - diff]
- clang-r450784d/bin/llvm-profdata[Added - diff]
- clang-r450784d/bin/llvm-ranlib[Added - diff]
- clang-r450784d/bin/llvm-rc[Added - diff]
- clang-r450784d/bin/llvm-readelf[Added - diff]
- clang-r450784d/bin/llvm-readobj[Added - diff]
- clang-r450784d/bin/llvm-size[Added - diff]
- clang-r450784d/bin/llvm-strings[Added - diff]
- clang-r450784d/bin/llvm-strip[Added - diff]
- clang-r450784d/bin/llvm-symbolizer[Added - diff]。 其中llvm-symbolizer与工作紧密相关，看官方介绍llvm-symbolizer - convert addresses into source code locations

顺便看下完整的官方说明:

https://llvm.org/docs/CommandGuide/index.html

# Basic Commands

dsymutil – manipulate archived DWARF debug symbol files

llc – LLVM static compiler

lli – directly execute programs from LLVM bitcode

llvm-as – LLVM assembler

llvm-config – Print LLVM compilation options

llvm-cov – emit coverage information

llvm-cxxmap – Mangled name remapping tool

llvm-diff – LLVM structural 'diff'

llvm-dis – LLVM disassembler

llvm-dwarfdump – dump and verify DWARF debug information

llvm-dwarfutil – A tool to copy and manipulate debug info

llvm-lib – LLVM lib.exe compatible library tool

llvm-libtool-darwin – LLVM tool for creating libraries for Darwin

llvm-link – LLVM bitcode linker

llvm-lipo – LLVM tool for manipulating universal binaries

llvm-mca – LLVM Machine Code Analyzer

llvm-otool – Mach-O dumping tool

llvm-profdata – Profile data tool

llvm-readobj – LLVM Object Reader

llvm-remark-size-diff – diff size remarks

llvm-stress – generate random .ll files

llvm-symbolizer – convert addresses into source code locations

opt – LLVM optimizer

## GNU binutils replacements

llvm-addr2line – a drop-in replacement for addr2line

llvm-ar – LLVM archiver

llvm-cxxfilt – LLVM symbol name demangler

llvm-install-name-tool – LLVM tool for manipulating install-names and rpaths

llvm-nm – list LLVM bitcode and object file's symbol table

llvm-objcopy – object copying and editing tool

llvm-objdump – LLVM's object file dumper

llvm-ranlib – generates an archive index

llvm-readelf – GNU-style LLVM Object Reader

llvm-size – print size information

llvm-strings – print strings

llvm-strip – object stripping tool

## Debugging Tools

bugpoint – automatic test case reduction tool

llvm-extract – extract a function from an LLVM module

llvm-bcanalyzer – LLVM bitcode analyzer

## Developer Tools

FileCheck – Flexible pattern matching file verifier

tblgen – Description to C++ Code

clang-tblgen – Description to C++ Code for Clang

lldb-tblgen – Description to C++ Code for LLDB

llvm-tblgen – Target Description to C++ Code for LLVM

mlir-tblgen – Description to C++ Code for MLIR

lit – LLVM Integrated Tester

llvm-exegesis – LLVM Machine Instruction Benchmark

llvm-ifs – shared object stubbing tool

llvm-locstats – calculate statistics on DWARF debug location

llvm-pdbutil – PDB File forensics and diagnostics

llvm-profgen – LLVM SPGO profile generation tool

llvm-tli-checker – TargetLibraryInfo vs library checker

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