



Navigation

• [LLVM Home](#) • | [Documentation](#) • » [Reference](#) »

• [previous](#) • | [next](#) • | [index](#)

LLVM Command Guide ¶

The following documents are command descriptions for all of the LLVM tools. These pages describe how to use the LLVM commands and what their options are. Note that these pages do not describe all of the options available for all tools. To get a complete listing, pass the `--help` (general options) or `--help-hidden` (general and debugging options) arguments to the tool you are interested in.

Basic Commands ¶

- [llvm-as](#) – LLVM assembler
- [llvm-dis](#) – LLVM disassembler
- [opt](#) – LLVM optimizer
- [lrc](#) – LLVM static compiler
- [lli](#) – directly execute programs from LLVM bitcode
- [llvm-link](#) – LLVM bitcode linker
- [llvm-lib](#) – LLVM lib.exe compatible library tool
- [llvm-lipo](#) – LLVM tool for manipulating universal binaries
- [llvm-config](#) – Print LLVM compilation options
- [llvm-cxxmap](#) – Mangled name remapping tool
- [llvm-diff](#) – LLVM structural ‘diff’
- [llvm-cov](#) – emit coverage information
- [llvm-profdump](#) – Profile data tool
- [llvm-stress](#) – generate random .ll files
- [llvm-symbolizer](#) – convert addresses into source code locations
- [llvm-dwarfdump](#) – dump and verify DWARF debug information
- [dsymutil](#) – manipulate archived DWARF debug symbol files
- [llvm-mca](#) – LLVM Machine Code Analyzer
- [llvm-readobj](#) – LLVM Object Reader

GNU binutils replacements ¶

- [llvm-addr2line](#) – a drop-in replacement for addr2line
- [llvm-ar](#) – LLVM archiver
- [llvm-cxxfilt](#) – LLVM symbol name demangler
- [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

Documentation

- [Getting Started/Tutorials](#)
- [User Guides](#)
- [Reference](#)

Getting Involved

- [Contributing to LLVM](#)
- [Submitting Bug Reports](#)
- [Mailing Lists](#)
- [IRC](#)
- [Meetups and Social Events](#)

Additional Links

- [FAQ](#)
- [Glossary](#)
- [Publications](#)
- [Github Repository](#)

This Page

- [Show Source](#)

Quick search

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](#) – Target Description To C++ Code Generator
- [lit](#) – LLVM Integrated Tester
- [llvm-build](#) – LLVM Project Build Utility
- [llvm-exegesis](#) – LLVM Machine Instruction Benchmark
- [llvm-pdbutil](#) – PDB File forensics and diagnostics
- [llvm-locstats](#) – calculate statistics on DWARF debug location

Navigation

• [LLVM Home](#) • | [Documentation](#) • » [Reference](#) »

• [previous](#) • | [next](#) • | [index](#)