



## Navigation

• [LLVM Home](#) • | [Documentation](#) • » [Reference](#) • » [LLVM Command Guide](#) » [previous](#) • | [next](#) • | [index](#)

# llvm-as – LLVM assembler ¶

## SYNOPSIS ¶

llvm-as [options] [filename]

## DESCRIPTION ¶

llvm-as is the LLVM assembler. It reads a file containing human-readable LLVM assembly language, translates it to LLVM bitcode, and writes the result into a file or to standard output.

If filename is omitted or is -, then llvm-as reads its input from standard input.

If an output file is not specified with the -o option, then llvm-as sends its output to a file or standard output by following these rules:

- If the input is standard input, then the output is standard output.
- If the input is a file that ends with .ll, then the output file is of the same name, except that the suffix is changed to .bc.
- If the input is a file that does not end with the .ll suffix, then the output file has the same name as the input file, except that the .bc suffix is appended.

## OPTIONS ¶

-f

Enable binary output on terminals. Normally, llvm-as will refuse to write raw bitcode output if the output stream is a terminal. With this option, llvm-as will write raw bitcode regardless of the output device.

-help

Print a summary of command line options.

-o filename

Specify the output file name. If filename is -, then llvm-as sends its output to standard output.

## EXIT STATUS ¶

If llvm-as succeeds, it will exit with 0. Otherwise, if an error occurs, it will exit with a non-zero value.

## SEE ALSO ¶

[llvm-dis\(1\)](#), [as\(1\)](#)

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

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- [Submitting Bug Reports](#)
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- [IRC](#)
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- [Publications](#)
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### This Page

- [Show Source](#)

### Quick search

## Navigation

• [LLVM Home](#) • | [Documentation](#) • » [Reference](#) • » [LLVM Command Guide](#) » [previous](#) • | [next](#) • | [index](#)

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