NAME

llvm−extract − extract a function from an LLVM module

SYNOPSIS

llvm-extract [*options*] **−−func** *function-name* [*filename*]

DESCRIPTION

The **llvm-extract** command takes the name of a function and extracts it from the specified LLVM bitcode file. It is primarily used as a debugging tool to reduce test cases from larger programs that are triggering a bug.

In addition to extracting the bitcode of the specified function, **llvm-extract** will also remove unreachable global variables, prototypes, and unused types.

The **llvm-extract** command reads its input from standard input if filename is omitted or if filename is −. The output is always written to standard output, unless the **−o** option is specified (see below).

OPTIONS

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

−−func *function-name*
Extract the function named *function-name* from the LLVM bitcode. May be specified multiple times to extract multiple functions at once.

−−rfunc *function-regular-expr*
Extract the function(s) matching *function-regular-expr* from the LLVM bitcode. All functions matching the regular expression will be extracted. May be specified multiple times.

−−glob *global-name*
Extract the global variable named *global-name* from the LLVM bitcode. May be specified multiple times to extract multiple global variables at once.

−−rglob *glob-regular-expr*
Extract the global variable(s) matching *global-regular-expr* from the LLVM bitcode. All global variables matching the regular expression will be extracted. May be specified multiple times.

−help
Print a summary of command line options.

−o *filename*
Specify the output filename. If filename is "−" (the default), then **llvm-extract** sends its output to standard output.

−S Write output in LLVM intermediate language (instead of bitcode).

EXIT STATUS

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

SEE ALSO

bugpoint

AUTHORS

Maintained by the LLVM Team (<http://llvm.org/>).