GCC Options

Compile and Build Flags

Stage	Command	Default Input	Default Output	-W switch
Pre-processing	Cpp	.c	.i	-Wp…
Compilation	Cc	.i	.s	N/A
Assembly	As	.s	.o	-Wa…
Linking	Ld	.o	a.out	-Wl…

Pre-processor Options

Option	Description
-M	Don't compile. Give dependencies for Make
-H	Print out names of included files
-E	Pre-process only
-Ddef	Define def
-Udef	Undefine def
-d	Print #defines

Warning Options

Option	Description
-v	Verbose Mode
-pedantic	Warn
-w	Suppress warnings
-W	More verbose warnings
-Wall	Enable a bunch of important warnings

Debugging and Profiling Options

Option	Description
-g	Include debug information
-pg	Provide profile information for gprof

Input and Output Options

Option	Description
-c	Stop after compile process
-o file	Out file to be use; default a.out
-xlang	Expect input to be in lang.(C, C++, objective C)

Compiler control Options

Option	Description
-ansi	Enforce full ansi compliance
-pipe	Use pipes between stages
-static	Select static linker for standard library
-O[lev]	Optimization level; 0,1,2,3. Default is 1
-Os	Optimize for size

Path Options

Option	Description
-Idir	Include dir in search for include files. Cumulative
-Ldir	Search dir for libraries. Cumulative
-l	Link to lib

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