zCOBOL Portable Mainframe COBOL Options and File Types

z390 and zcobol options include the following:

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Command Line options for zCOBOL Compiler

To turn off an option that is on, prefix the option name with NO on command line or in OPT options file.

Option	Default	Description
@file	NO	Retrieve additional options from free form text file with default suffix OPT. Options can be specified delimited by spaces on as many lines as requires. A characters on a line following * are ignored as comments. The @file option c be nested. The default path is the program path.
CICS	NO	Parse COBOL EXEC CICS commands into z390 EXEC CICS compatible m calls and also rename working storage to DFHEISTG.
COMMENT	YES	Generate MLC comments showing original COBOL statement preceding ea macro call statement.
EXTEND	YES	Support up to 31 digits for DISPLAY (Z) and COMP-3 (P) type data items rather than limiting precision to ANSI 1985 standard of 18.
FLOAT(DECIMAL)	YES	Set type of floating point for usage FLOAT-SHORT, FLOAT-LONG, and FLOAT-EXTENDED. The choices are FLOAT(HEX) for Hexidecimal Floa Point (HFP) like COMP-1 and COMP-2, FLOAT(BINARY) for Binary Floa Point (BFP), or the default FLOAT(DECIMAL) for Decimal Floating Point (DFP).
R64	YES	Generate 64 bit instructions for the 16 GPR registers where appropriate. NOR64 restricts code generation to only use lower 32 bits of 16 GPR register required by z/VSE and some other operating environments. (Note option TRUNC and NOR64 results in use of DXR instead of DGR which is more efficient.)
TRACE	NO	Generate WTO display of paragraph name at entry to each new paragraph procedure division. This provides high level trace as opposed to using the z3 TRACE(E) option which generates instruction level trace.
TRUNC	NO	Truncate binary data types F, G, and H to specified number of digits in PICTURE.
WARN	YES	Generate level 4 MNOTE warnings from zcobol macros

- Options are passed to the zcobol macro stage via CBL macro call with the options defined as positional parameters

zCOBOL File Types

TYPE	Format	File Description	File or Report Format Description
CBL	ASCII	COBOL source program	1-6 sequence #, 7 Comment if not space, 8 area A, 12-72 area B
MLC	ASCII	macro assembler source program generated by phase 1 of the zcobol compiler which uses zcobol.class regular expression based parser in z390.jar to read CBL source file and create MLC source file in one pass.	macro call. for each COBOL statement starting in area A and for each COBOL v found in area B. Working storage data it are mapped to WS macro call with level first parameter. Each macro call name is followed by positional parameters found following verb up to next verb or period. Periods are mapped to PERIOD macro c Parameters of the form keyword(..) are passed as single parameter. Other (and passed as separate parameter in quotes.
BAL	ASCII	HLASM compatible source code generated by phase 2 of the zCOBOL compiler when using ZC390C or ZC390CLG commands.	HLASM compatible source statements generated by the zcobol+zcobol\z390 mac during expansion of the generated MLC
JAVA	ASCII	J2SE Java compatible source program file generated by phase 2 of the zCOBOL compiler when using ZCJAVC or ZCJAVCLG commands.	Java source statements generated by the zcobol+zcobol\java macros during expan of the generated MLC file.
CPP	ASCII	MS Visual Express C compatible source program file generated by phase 2 of the zCOBOL compiler when using ZCVCEC or ZCVCECLG commands.	MS Visual Express C compatible source statements generated by the zcobol+zcobol\vce macros during expans of the generated MLC file.
HLA	ASCII	HLA/MASM compatible source program file generated by phase 2 of the zCOBOL compiler when using ZC586C or ZC586CLG commands.	HLA/MASM compatible source statemer generated by the zcobol+zcobol\i586 mac during expansion of the generated MLC

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