NAME

dwarf_expr_into_block - retrieve the byte stream for a location expression

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

Dwarf_Addr
dwarf_expr_into_block(*Dwarf_P_Expr expr*, *Dwarf_Unsigned *length*, *Dwarf_Error *err*);

DESCRIPTION

Function **dwarf_expr_into_block**() retrieves the byte stream representation of a location expression.

Argument *expr* should reference a location expression descriptor allocated using dwarf_new_expr(3).

Argument *length* should point to a location which will hold the size in bytes of the retrieved byte stream.

If argument *err* is not NULL, it will be used to store error information in case of an error.

RETURN VALUES

On success, function **dwarf_expr_into_block**() returns the address of the first byte of the generated byte stream. In case of an error, function **dwarf_expr_into_block**() returns DW_DLV_BADADDR and sets the argument *err*.

ERRORS

Function **dwarf_expr_into_block**() can fail with:

[DW_DLE_ARGUMENT]   One of the arguments *expr* or *length* was NULL.

[DW_DLE_MEMORY]   An out of memory condition was encountered during the execution of the function.

SEE ALSO

dwarf(3), dwarf_add_AT_location_expr(3), dwarf_add_expr_addr(3), dwarf_add_expr_addr_b(3), dwarf_add_expr_gen(3), dwarf_expr_current_offset(3), dwarf_new_expr(3)