NAME

dwarf_add_expr_addr, **dwarf_add_expr_addr_b** - add a DW_OP_addr location expression

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

Dwarf_Unsigned
dwarf_add_expr_addr(*Dwarf_P_Expr expr*, *Dwarf_Unsigned address*, *Dwarf_Signed sym_index*,
   *Dwarf_Error *err*);

Dwarf_Unsigned
dwarf_add_expr_addr_b(*Dwarf_P_Expr expr*, *Dwarf_Unsigned address*, *Dwarf_Unsigned sym_index*,
   *Dwarf_Error *err*);

DESCRIPTION

Function **dwarf_add_expr_addr_b**() adds a DW_OP_addr location expression to the location expression descriptor referenced by argument *expr*.

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

Argument *address* specifies the operand, a relocatable address value.

Argument *sym_index* specifies the ELF symbol index of the symbol to be used for relocation.

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

Function **dwarf_add_expr_addr**() is deprecated. It is similar to function **dwarf_add_expr_addr_b**() except that it cannot handle all possible symbol index values.

RETURN VALUES

On success, these functions return the size in bytes of the location expression byte stream generated. In case of an error, these functions return DW_DLV_NOCOUNT and set the argument *err*.

ERRORS

These functions can fail with:

[DW_DLE_ARGUMENT]   Argument *expr* 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_gen(3), dwarf_expr_current_offset(3), dwarf_expr_into_block(3), dwarf_new_expr(3)