

NAME

dwarf_dealloc, **dwarf_fde_cie_list_dealloc**, **dwarf_funcs_dealloc**, **dwarf_globals_dealloc**, **dwarf_pubtypes_dealloc**, **dwarf_ranges_dealloc**, **dwarf_srclines_dealloc**, **dwarf_types_dealloc**, **dwarf_vars_dealloc**, **dwarf_weak_dealloc** - release resources

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

void

dwarf_dealloc(*Dwarf_Debug dbg, Dwarf_Ptr ptr, Dwarf_Unsigned type*);

dwarf_fde_cie_list_dealloc(*Dwarf_Debug dbg, Dwarf_Cie *cie_list, Dwarf_Signed cie_count, Dwarf_Fde *fde_list, Dwarf_Signed fde_count*);

void

dwarf_funcs_dealloc(*Dwarf_Debug dbg, Dwarf_Func *funcs, Dwarf_Signed funccount*);

void

dwarf_globals_dealloc(*Dwarf_Debug dbg, Dwarf_Global *globals, Dwarf_Signed globalcount*);

void

dwarf_pubtypes_dealloc(*Dwarf_Debug dbg, Dwarf_Type *pubtypes, Dwarf_Signed pubtypecount*);

void

dwarf_ranges_dealloc(*Dwarf_Debug dbg, Dwarf_Ranges *ranges, Dwarf_Signed rangecount*);

void

dwarf_srclines_dealloc(*Dwarf_Debug dbg, Dwarf_Line *lines, Dwarf_Signed linecount*);

void

dwarf_types_dealloc(*Dwarf_Debug dbg, Dwarf_Type *types, Dwarf_Signed typecount*);

void

dwarf_vars_dealloc(*Dwarf_Debug dbg, Dwarf_Var *vars, Dwarf_Signed varcount*);

void

dwarf_weak_dealloc(*Dwarf_Debug dbg, Dwarf_Weak *weak, Dwarf_Signed weakcount*);

DESCRIPTION

The function **dwarf_dealloc()** is used by applications to indicate that memory areas returned by DWARF Access Library (libdwarf, -ldwarf) may be safely disposed off. Due to the way memory is managed in the current implementation, the use of **dwarf_dealloc()** is only necessary for a small set of DWARF types.

Argument *dbg* should reference a valid debugging context allocated using **dwarf_init(3)**.

Argument *ptr* should point to an object or memory area obtained by a prior call to a DWARF(3) function.

Argument *type* indicates the type of object being deallocated. The indicated type must match that of the object being passed in argument *ptr*. Valid values for the *type* argument are:

DW_DLA_ABBREV An object of type *Dwarf_Abbrev*, as returned by a call to the function **dwarf_get_abbrev(3)**.

DW_DLA_DIE An object of type *Dwarf_Die*, as returned by calls to the functions **dwarf_child(3)**, **dwarf_offdie(3)** or **dwarf_siblingof(3)**.

DW_DLA_FRAME_BLOCK An array of objects of type *Dwarf_Frame_op*, as returned by a call to the function **dwarf_expand_frame_instructions(3)**.

Calls to **dwarf_dealloc()** with other values for argument *type* are no-ops in this implementation.

The functions **dwarf_fde_cie_list_dealloc()**, **dwarf_funcs_dealloc()**, **dwarf_globals_dealloc()**, **dwarf_pubtypes_dealloc()**, **dwarf_ranges_dealloc()**, **dwarf_srclines_dealloc()**, **dwarf_types_dealloc()**, **dwarf_vars_dealloc()** and **dwarf_weak_dealloc()** are provided for compatibility with other implementations of the DWARF(3) API. Due to the way memory is managed in the current implementation, these functions are effectively no-ops.

See **dwarf(3)** for more information about the memory management scheme in this implementation of the DWARF(3) API.

RETURN VALUES

Functions **dwarf_dealloc()**, **dwarf_fde_cie_list_dealloc()**, **dwarf_funcs_dealloc()**, **dwarf_globals_dealloc()**, **dwarf_pubtypes_dealloc()**, **dwarf_ranges_dealloc()**, **dwarf_srclines_dealloc()**, **dwarf_types_dealloc()**, **dwarf_vars_dealloc()** and **dwarf_weak_dealloc()** have no return value.

SEE ALSO

dwarf(3), dwarf_child(3), dwarf_expand_frame_instructions(3), dwarf_get_abbrev(3), dwarf_offdie(3),
dwarf_siblingof(3)