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_weaks_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_weaks_dealloc(*Dwarf_Debug dbg*, *Dwarf_Weak *weaks*, *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_weaks_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_weaks_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)