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)

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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_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)