NAME

dwarf_add_AT_reference - create and attach an attribute that references another DIE

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

Dwarf_P_Attribute
dwarf_add_AT_reference(*Dwarf_P_Debug dbg*, *Dwarf_P_Die die*, *Dwarf_Half attr*,
  Dwarf_P_Die ref_die, *Dwarf_Error *err*);

DESCRIPTION

Function **dwarf_add_AT_reference**() creates an attribute descriptor that references another debugging information entry in the same compilation unit. The attribute will be of DWARF form DW_FORM_ref4 or DW_FORM_ref8 depending on the target address size, and will contain the section-relative offset of the referenced debugging information entry as its value.

Argument *dbg* should reference a DWARF producer instance allocated using dwarf_producer_init(3) or dwarf_producer_init_b(3).

Argument *die* should reference a debugging information entry allocated using dwarf_new_die(3).

Argument *attr* should specify the attribute code of the created attribute descriptor.

Argument *ref_die* should hold the debugging information entry descriptor that the attribute should refer to.

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_add_AT_reference**() returns the created attribute descriptor. In case of an error, function **dwarf_add_AT_reference**() returns DW_DLV_BADADDR and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT]   One of the arguments *dbg*, *die* or *ref_die* 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_dataref(3), dwarf_add_AT_ref_address(3), dwarf_add_AT_signed_const(3),
dwarf_add_AT_unsigned_const(3), dwarf_new_die(3), dwarf_producer_init(3),
dwarf_producer_init_b(3)