

NAME

dwarf_add_AT_ref_address - create a reference class attribute descriptor

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

```
#include <libdwarf.h>
```

Dwarf_P_Attribute

```
dwarf_add_AT_ref_address(Dwarf_P_Debug dbg, Dwarf_P_Die die, Dwarf_Half attr,  
    Dwarf_Unsigned pc_value, Dwarf_Unsigned sym_index, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_add_AT_ref_address()** creates a ‘reference’ class attribute descriptor containing a relocatable address value. The created attribute will use DWARF form DW_FORM_ref_addr.

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* specifies the attribute code of the created attribute.

Argument *pc_value* contains a relocatable address which will become the value of the created attribute.

Argument *sym_index* should specify the ELF symbol index of the symbol to be used when relocating the address value.

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

ERRORS

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

[DW_DLE_ARGUMENT] Either of the arguments *dbg* or *die* was NULL.

[DW_DLE_MEMORY] An out of memory condition was encountered during execution.

SEE ALSO

dwarf(3), dwarf_add_AT_dataref(3), dwarf_add_AT_reference(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)