

NAME

dwarf_get_relocation_info_count - return the number of relocation arrays

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

int

```
dwarf_get_relocation_info_count(Dwarf_P_Debug dbg, Dwarf_Unsigned *reloc_cnt,  
int *drd_buffer_version, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_get_relocation_info_count()** retrieves the total number of relocation arrays generated by a prior call to **dwarf_transform_to_disk_form(3)**.

Argument *dbg* should reference a DWARF producer instance allocated using **dwarf_producer_init(3)** or **dwarf_producer_init_b(3)**. The DW_DLC_SYMBOLIC_RELOCATIONS flag should have been set on the producer instance.

Argument *reloc_cnt* should point to a location which will be set to the total number of relocation arrays generated.

Argument *drd_buffer_version* should point to a location which will be set to the version number of the relocation structures returned (see the symbol DWARF_DRD_BUFFER_VERSION, defined in the header file <libdwarf.h>).

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_get_relocation_info_count()** returns DW_DLV_OK. It returns DW_DLV_NO_ENTRY if the DW_DLC_SYMBOLIC_RELOCATIONS flag is not set on the producer instance. In case of an error, function **dwarf_get_relocation_info_count()** returns DW_DLV_ERROR and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT] One of the arguments *dbg*, *reloc_cnt* or *drd_buffer_version* was NULL.

[DW_DLE_NO_ENTRY] The DW_DLC_SYMBOLIC_RELOCATIONS flag was not set.

SEE ALSO

dwarf(3), dwarf_get_relocation_info(3), dwarf_producer_init(3), dwarf_producer_init_b(3),
dwarf_transform_to_disk_form(3)