NAME

dwarf_transform_to_disk_form - transform DWARF information into byte streams

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

Dwarf_Signed
dwarf_transform_to_disk_form(*Dwarf_P_Debug dbg*, *Dwarf_Error *err*);

DESCRIPTION

Function **dwarf_transform_to_disk_form**() transforms the DWARF information gathered by the producer into byte streams for the application to write out as ELF sections. If the flag DW_DLC_SYMBOLIC_RELOCATIONS is set on the producer, the function will also generate the associated relocation arrays.

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

If argument *err* is not NULL, it will be used to store error information in case of an error.

After a call to this function, the application can call the function dwarf_get_section_bytes(3) to retrieve the byte streams for each ELF section. If the flag DW_DLC_SYMBOLIC_RELOCATIONS was set on the descriptor, the application can also call the function dwarf_get_relocation_info(3) to retrieve the generated relocation arrays.

RETURN VALUES

On success, function **dwarf_transform_to_disk_form**() returns the total number of ELF sections generated. In case of an error, function **dwarf_transform_to_disk_form**() returns DW_DLV_NOCOUNT and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT]   Argument *dbg* was NULL.

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

SEE ALSO

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