

NAME

dwarf_get_fde_instr_bytes - retrieve instructions from FDE descriptor

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

int

```
dwarf_get_fde_instr_bytes(Dwarf_Fde fde, Dwarf_Ptr *ret_inst, Dwarf_Unsigned *ret_len,  
    Dwarf_Error *error);
```

DESCRIPTION

Function **dwarf_get_fde_instr_bytes**() retrieves instruction bytes from a given FDE descriptor.

Argument *fde* should reference a valid DWARF FDE descriptor.

Argument *ret_inst* should point to a location that will be set to a pointer to an array of bytes containing the instructions of the FDE descriptor.

Argument *ret_len* should point to a location that will hold the length in bytes of the instructions returned in argument *ret_inst*.

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

Applications can use the function **dwarf_expand_frame_instructions**(3) to parse and expand the returned instruction bytes into an array of *Dwarf_Frame_Op* descriptors.

RETURN VALUES

Function **dwarf_get_fde_instr_bytes**() returns DW_DLV_OK when it succeeds. In case of an error, it returns DW_DLV_ERROR and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT] One of the arguments *fde*, *ret_inst* or *ret_len* was NULL.

SEE ALSO

dwarf(3), **dwarf_expand_frame_instructions**(3), **dwarf_get_cie_index**(3), **dwarf_get_cie_info**(3),

dwarf_get_cie_of_fde(3), dwarf_get_fde_at_pc(3), dwarf_get_fde_info_for_all_regs(3),
dwarf_get_fde_info_for_all_regs3(3), dwarf_get_fde_info_for_cfa_reg3(3),
dwarf_get_fde_info_for_reg(3), dwarf_get_fde_info_for_reg3(3), dwarf_get_fde_list(3),
dwarf_get_fde_list_eh(3), dwarf_get_fde_n(3), dwarf_get_fde_range(3)