

NAME

dwarf_add_fde_inst - add a call frame instruction to a DWARF frame descriptor

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

```
Dwarf_P_Fde
```

```
dwarf_add_fde_inst(Dwarf_P_Fde fde, Dwarf_Small op, Dwarf_Unsigned val1, Dwarf_Unsigned val2,
    Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_add_fde_inst**() adds a call frame instruction to the DWARF frame descriptor referenced by argument *fde*.

Argument *fde* should reference a frame descriptor allocated using **dwarf_new_fde**(3).

Argument *op* specifies the operator for the frame instruction. The DWARF standard defines the set of legal values for this argument.

Argument *val1* specifies the first operand of the frame instruction.

Argument *val2* specifies the second operand of the frame instruction.

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_fde_inst**() returns the frame descriptor given in argument *fde*. In case of an error, function **dwarf_add_fde_inst**() returns DW_DLV_BADADDR and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT] Argument *fde* was NULL.

[DW_DLE_FRAME_INSTR_EXEC_ERROR] The frame instruction operator specified in argument *op* was invalid.

[DW_DLE_MEMORY]

An out of memory condition was encountered during the execution of the function.

SEE ALSO

dwarf(3), dwarf_add_frame_cie(3), dwarf_add_frame_fde(3), dwarf_add_frame_fde_b(3), dwarf_fde_cfa_offset(3), dwarf_new_fde(3)

The DWARF Debugging Information Format, Version 4, <http://www.dwarfstd.org/>.