

**NAME**

**dwarf\_fde\_cfa\_offset** - add a DW\_CFA\_offset frame instruction to a DWARF frame descriptor

**LIBRARY**

DWARF Access Library (libdwarf, -ldwarf)

**SYNOPSIS**

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

```
Dwarf_P_Fde
```

```
dwarf_fde_cfa_offset(Dwarf_P_Fde fde, Dwarf_Unsigned reg, Dwarf_Signed offset, Dwarf_Error *err);
```

**DESCRIPTION**

Function **dwarf\_fde\_cfa\_offset**() appends a DW\_CFA\_offset frame instruction to the frame descriptor referenced by argument *fde*.

Argument *fde* should reference a frame descriptor allocated using **dwarf\_new\_fde**(3).

Argument *reg* specifies the register operand for the frame instruction.

Argument *offset* specifies the offset operand for 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\_fde\_cfa\_offset**() returns the frame descriptor given in argument *fde*. In case of an error, function **dwarf\_fde\_cfa\_offset**() returns DW\_DLV\_BADADDR and sets the argument *err*.

**ERRORS**

Function **dwarf\_fde\_cfa\_offset**() can fail with:

[DW\_DLE\_ARGUMENT] Argument *fde* was NULL.

[DW\_DLE\_MEMORY] An out of memory condition was encountered during the execution of the function.

**SEE ALSO**

**dwarf**(3), **dwarf\_add\_fde\_inst**(3), **dwarf\_add\_frame\_cie**(3), **dwarf\_add\_frame\_fde**(3), **dwarf\_add\_frame\_fde\_b**(3), **dwarf\_new\_fde**(3)