

NAME

dwarf_undef_macro - record the removal of a macro definition

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

```
int
```

```
dwarf_undef_macro(Dwarf_P_Debug dbg, Dwarf_Unsigned lineno, char *name, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_undef_macro**() records the removal of a macro definition in a DWARF producer instance.

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

Argument *lineno* specifies the line number of the source line where the macro definition was removed. A value of zero indicates that the macro definition was removed before any source files were read.

Argument *name* should point to a NUL-terminated string containing the name of the macro.

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_undef_macro**() returns DW_DLV_OK. In case of an error, function **dwarf_undef_macro**() returns DW_DLV_ERROR and sets the argument *err*.

EXAMPLES

To record the fact that the macro named `_STDIO_H_` was removed at line 220 of the current macro file, use:

```
Dwarf_P_Debug dbg;
Dwarf_Error de;

/* ... Assume 'dbg' refers to a DWARF producer instance... */
if (dwarf_undef_macro(dbg, 220, "_STDIO_H_", &de) != DW_DLV_OK)
    errx(EXIT_FAILURE, "dwarf_def_macro failed: %s",
```

```
dwarf_errmsg(-1));
```

ERRORS

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

[DW_DLE_ARGUMENT] Either arguments *dbg* or *name* was NULL.

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

SEE ALSO

dwarf(3), dwarf_def_macro(3), dwarf_end_macro_file(3), dwarf_producer_init(3), dwarf_producer_init_b(3), dwarf_start_macro_file(3), dwarf_vendor_ext(3)