

NAME

dwarf_get_elf - retrieve the *Elf* descriptor associated with a *Dwarf_Debug* instance

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

int

```
dwarf_get_elf(Dwarf_Debug dbg, Elf **elf, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_get_elf**() returns the *Elf* descriptor associated with a *Dwarf_Debug* instance.

Argument *dbg* should be a handle to a valid *Dwarf_Debug* instance returned by a prior call to **dwarf_init**(3) or **dwarf_elf_init**(3).

Argument *elf* points a location into which a handle to an *Elf* descriptor will be written.

Argument *err* is used to record error information in case of failure.

RETURN VALUES

On success, function **dwarf_get_elf**() returns DW_DLV_OK. In case of an error, it returns DW_DLV_ERROR and sets argument *err*.

EXAMPLES

To retrieve the *Elf* instance associated with a *Dwarf_Debug* instance use:

```
Dwarf_Debug dbg;
```

```
Dwarf_Error de;
```

```
Elf *elf;
```

```
... allocate dbg using dwarf_init() etc ...
```

```
if (dwarf_get_elf(dbg, &elf, &de) != DW_DLV_OK)
```

```
    errx(EXIT_FAILURE, "dwarf_get_elf: %s", dwarf_errmsg(de));
```

SEE ALSO

dwarf(3), **dwarf_errmsg**(3), **dwarf_finish**(3), **dwarf_init**(3), **elf**(3)