

NAME

dwarf_die_link - link a debugging information entry

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

Dwarf_P_Die

```
dwarf_die_link(Dwarf_P_Die die, Dwarf_P_Die parent, Dwarf_P_Die child, Dwarf_P_Die left,  
Dwarf_P_Die right, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_die_link()** links debugging information entries together.

Argument *die* should specify the debugging information entry to be updated.

Argument *parent* specifies the new parent link for the debugging information entry.

Argument *child* specifies the new first child link for the debugging information entry.

Argument *left* specifies the new left sibling link for the debugging information entry.

Argument *right* specifies the new right sibling link for the debugging information entry.

Only one of arguments *parent*, *child*, *left* and *right* is allowed to be non-NULL. Existing links to parent, child, left or right debugging information entries, if any, will be unlinked before the specified link is established.

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_die_link()** returns the debugging information entry provided in argument *die*. In case of an error, function **dwarf_die_link()** returns DW_DLV_BADADDR and sets the argument *err*.

ERRORS

The function **dwarf_die_link()** can fail with:

[DW_DLE_ARGUMENT] Argument *die* was NULL.

[DW_DLE_ARGUMENT] More than one of the arguments *parent*, *child*, *left* and *right* were non-NULL.

SEE ALSO

dwarf(3), dwarf_add_die_to_debug(3), dwarf_new_die(3)