

NAME

dwarf_get_arange - retrieve the address range descriptor for an address

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

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

int

```
dwarf_get_arange(Dwarf_Arange *ar_list, Dwarf_Unsigned ar_cnt, Dwarf_Addr addr,  
    Dwarf_Arange *ret_ar, Dwarf_Error *err);
```

DESCRIPTION

Function **dwarf_get_arange**() searches an array of *Dwarf_Arange* descriptors for one that covers a given address.

Argument *ar_list* should point to an array of *Dwarf_Arange* descriptors.

Argument *ar_cnt* specifies the number of *Dwarf_Arange* descriptors in the array pointed to by argument *ar_list*.

Argument *addr* specifies the address being looked up.

Argument *ret_ar* will be used to store the *Dwarf_Arange* descriptor that covers the given address.

If argument *err* is not NULL, it will be used to store error information in case of an error.

RETURN VALUES

Function **dwarf_get_arange**() returns DW_DLV_OK when it succeeds. It returns DW_DLV_NO_ENTRY if there is no *Dwarf_Arange* descriptor that covers the provided address. In case of an error, it returns DW_DLV_ERROR and sets the argument *err*.

ERRORS

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

[DW_DLE_ARGUMENT] One of the arguments *dbg*, *ar_list* or *ret_ar* was NULL.

[DW_DLE_ARGUMENT] Value of argument *ar_cnt* equals to 0.

[DW_DLE_NO_ENTRY] A *Dwarf_Arange* descriptor that covers the given address was not found.

SEE ALSO

dwarf(3), dwarf_get_arange_cu_header_offset(3), dwarf_get_arange_info(3), dwarf_get_ranges(3),
dwarf_get_cu_die_offset(3)