

**NAME**

**dwarf\_formexprloc** - return information about a location expression

**LIBRARY**

DWARF Access Library (libdwarf, -ldwarf)

**SYNOPSIS**

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

*int*

```
dwarf_formexprloc(Dwarf_Attribute attr, Dwarf_Unsigned *retlen, Dwarf_Ptr *retexpr,
    Dwarf_Error *err);
```

**DESCRIPTION**

Function **dwarf\_formexprloc**() allows an application to retrieve the length and the bytes of a DWARF location expression.

Argument *attr* should reference a DWARF attribute of the form DW\_FORM\_exprloc. Argument *retlen* should point to a location that will be set to the length of the location expression. Argument *retexpr* should point to a location that will be set to a pointer to the content of the location expression itself.

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

**Memory Management**

The application should not attempt to free the memory area referenced by the pointer returned in argument *retexpr*.

**RETURN VALUES**

Function **dwarf\_formexprloc**() returns DW\_DLV\_OK on success. In case of an error, it returns DW\_DLV\_ERROR and sets argument *err*.

**ERRORS**

Function **dwarf\_formexprloc**() may fail with the following errors:

[DW\_DLE\_ARGUMENT] One of arguments *attr*, *retlen* or *retexpr* was NULL.

[DW\_DLE\_ATTR\_FORM\_BAD] The attribute referenced by argument *attr* was not of form DW\_FORM\_exprloc.

**SEE ALSO**

dwarf(3), dwarf\_attr(3), dwarf\_formblock(3), dwarf\_formflag(3), dwarf\_formref(3),  
dwarf\_formsdata(3), dwarf\_formsig8(3), dwarf\_formstring(3), dwarf\_formudata(3), dwarf\_hasattr(3)