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)