NAME

dwarf_hasform, **dwarf_whatform**, **dwarf_whatform_direct** - query attribute forms

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

int
dwarf_hasform(*Dwarf_Attribute attr*, *Dwarf_Half form*, *Dwarf_Bool *ret*, *Dwarf_Error *err*);

int
dwarf_whatform(*Dwarf_Attribute attr*, *Dwarf_Half *retform*, *Dwarf_Error *err*);

int
dwarf_whatform_direct(*Dwarf_Attribute attr*, *Dwarf_Half *retform*, *Dwarf_Error *err*);

DESCRIPTION

Function **dwarf_hasform**() indicates whether the DWARF attribute denoted by argument *attr* has the attribute form specified by argument *form*. If the attribute has the specified form, then argument *ret* is set to a non-zero value, otherwise it is set to zero. If argument *err* is non-NULL, it will be used to return an error descriptor in case of an error.

Function **dwarf_whatform**() sets the location specified by argument *retform* to the attribute form code for the DWARF attribute referenced by argument *attr*. If the attribute referenced by argument *attr* has an indirect form attribute, this function will return the final form for the attribute. If argument *err* is non-NULL, it will be used to return an error descriptor in case of an error.

Function **dwarf_whatform_direct**() sets the location specified by argument *retform* to the attribute form code for the DWARF attribute referenced by argument *attr*. If the form is an indirect form, the function sets the location specified by argument *retform* to DW_FORM_indirect. If argument *err* is non-NULL, it will be used to return an error descriptor in case of an error.

RETURN VALUES

These functions return DW_DLV_OK on success. In case of an error, these functions return DW_DLV_ERR and set argument *err*.

ERRORS

These functions may fail with the following errors:

[DW_DLE_ARGUMENT]　　Any of the arguments *attr*, *ret*, or *retform* was NULL.

SEE ALSO

dwarf(3), dwarf_attr(3), dwarf_hasattr(3)