

NAME

gelf_getsyminfo, **gelf_update_syminfo** - read and update symbol information

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

```
#include <gelf.h>
```

```
GElf_Syminfo *
```

```
gelf_getsyminfo(Elf_Data *data, int ndx, GElf_Syminfo *syminfo);
```

```
int
```

```
gelf_update_syminfo(Elf_Data *data, int ndx, GElf_Syminfo *syminfo);
```

DESCRIPTION

These convenience functions are used to retrieve and update class-dependent *Elf32_Syminfo* and *Elf64_Syminfo* records in an ELF object.

Argument *data* is an *Elf_Data* descriptor associated with a section of type *SHT_SUNW_syminfo*.

Argument *ndx* is the index of the record being retrieved or updated. The class-independent *GElf_Syminfo* structure is described in *gelf(3)*.

Function **gelf_getsyminfo()** retrieves class-dependent record at index *ndx* in data buffer *data* and copies it to the destination pointed to by argument *syminfo* after translation to class-independent form.

Function **gelf_update_syminfo()** converts the class-independent record pointed to by argument *syminfo* to class-dependent form, and writes it to the record at index *ndx* in the data buffer described by argument *data*.

RETURN VALUES

Function **gelf_getsyminfo()** returns the value of argument *syminfo* if successful, or NULL in case of an error. Function **gelf_update_syminfo()** returns a non-zero value if successful, or zero in case of an error.

ERRORS

These functions may fail with the following errors:

[ELF_E_ARGUMENT]

Arguments *data* or *syminfo* were NULL.

[ELF_E_ARGUMENT]

Argument *ndx* was less than zero or larger than the number of symbols in the data descriptor.

[ELF_E_ARGUMENT]

Data descriptor *data* was not associated with a section containing symbol information.

[ELF_E_VERSION]

The *Elf_Data* descriptor denoted by argument *data* is associated with an ELF object with an unsupported version.

SEE ALSO

elf(3), elf_getdata(3), elf_getscn(3), gelf(3), gelf_getsym(3), gelf_update_sym(3)