

NAME

gelf_getmove, **gelf_update_move** - read and update Elf Move information

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

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

```
GElf_Move *
```

```
gelf_getmove(Elf_Data *data, int ndx, GElf_Move *move);
```

```
int
```

```
gelf_update_move(Elf_Data *data, int ndx, GElf_Move *move);
```

DESCRIPTION

These convenience functions are used to retrieve and update class-dependent *Elf32_Move* and *Elf64_Move* structures in an ELF object.

Argument *data* is an *Elf_Data* descriptor associated with a section of type *SHT_SUNW_move*. Argument *ndx* is the index of the move record being retrieved or updated. The class-independent *GElf_Move* structure is described in *gelf(3)*.

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

Function **gelf_update_move()** converts the class-independent move information pointed to by argument *move* to class-dependent form, and writes it to the move record at index *ndx* in the data buffer described by argument *data*. Function **gelf_update_move()** signals an error if any of the values in the class-independent representation exceeds the representable limits of the target type.

RETURN VALUES

Function **gelf_getmove()** returns the value of argument *move* if successful, or NULL in case of an error.

Function **gelf_update_move()** 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 *move* were NULL.

[ELF_E_ARGUMENT]

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

[ELF_E_ARGUMENT]

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

[ELF_E_RANGE]

A value was not representable in the target type.

[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)