

NAME

elf_getshdrnum - return the number of sections in an ELF file

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

```
#include <libelf.h>
```

int

```
elf_getshdrnum(Elf *elf, size_t *shnum);
```

DESCRIPTION

Function **elf_getshdrnum**() retrieves the number of ELF sections associated with descriptor *elf* and stores it into the location pointed to by argument *shnum*.

This routine allows applications to uniformly process both normal ELF objects, and ELF objects that use extended section numbering.

RETURN VALUES

Function **elf_getshdrnum**() returns zero value if successful, or -1 in case of an error.

ERRORS

Function **elf_getshdrnum**() can fail with the following errors:

[ELF_E_ARGUMENT]

A NULL value was passed in for argument *elf*.

[ELF_E_ARGUMENT]

Argument *elf* was not for an ELF file.

[ELF_E_ARGUMENT]

Argument *elf* lacks an ELF Executable header.

SEE ALSO

elf(3), elf32_getehdr(3), elf64_getehdr(3), elf_getident(3), elf_getphdrnum(3), elf_getshdrstrndx(3), gelf(3), gelf_getehdr(3)