

NAME

elf_getphdrnum - return the number of program headers in an ELF file

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

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

int

```
elf_getphdrnum(Elf *elf, size_t *phnum);
```

DESCRIPTION

Function **elf_getphdrnum**() retrieves the number of ELF program headers associated with descriptor *elf* and stores it into the location pointed to by argument *phnum*.

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

RETURN VALUES

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

ERRORS

Function **elf_getphdrnum**() 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.

[ELF_E_HEADER]

The ELF Executable Header associated with argument *elf* was corrupt.

[ELF_E_SECTION]

The section header at index SHN_UNDEF was corrupt.

SEE ALSO

elf(3), elf32_getehdr(3), elf64_getehdr(3), elf_getident(3), elf_getshdrnum(3), elf_getshdrstrndx(3),

`gelf(3)`, `gelf_getehdr(3)`