

NAME

elf32_getchdr, **elf64_getchdr**, **gelf_getchdr** - retrieve the compression header of a section

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

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

```
Elf32_Chdr *
```

```
elf32_getchdr(Elf_Scn *s);
```

```
Elf64_Chdr *
```

```
elf64_getchdr(Elf_Scn *s);
```

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

```
GElf_Chdr *
```

```
gelf_getchdr(Elf_Scn *scn, GElf_Chdr *chdr);
```

DESCRIPTION

These functions return a pointer to the ELF Compression Header data structure associated with section descriptor *scn*.

Function **elf32_getchdr()** retrieves a pointer to an *Elf32_Chdr* structure. Section descriptor *scn* must be associated with an ELF descriptor of class ELFCLASS32.

Function **elf64_getchdr()** retrieves a pointer to an *Elf64_Chdr* structure. Section descriptor *scn* must be associated with an ELF descriptor of class ELFCLASS64.

Function **gelf_getchdr()** copies the values in the compression header associated with argument *scn* to the structure pointed to be argument *dst*. The *GElf_Chdr* data structure is described in [gelf\(3\)](#).

RETURN VALUES

Functions **elf32_getchdr()** and **elf64_getchdr()** return a valid pointer to the appropriate compression header on success or NULL if an error was encountered.

Function **gelf_getchdr()** returns argument *dst* if successful, or NULL if an error was encountered.

ERRORS

These functions may fail with the following errors:

[ELF_E_INVALID_SECTION_FLAGS]

Arguments *scn* has invalid flags.

[ELF_E_INVALID_SECTION_TYPE]

Argument *scn* has invalid type.

[ELF_E_NOT_COMPRESSED]

Argument *scn* is not compressed.

SEE ALSO

elf(3), elf_getscn(3), gelf(3),