

**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),