NAME

elf32_getshdr, **elf64_getshdr**, **gelf_getshdr** - retrieve the class-dependent section header

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

#include <libelf.h>

Elf32_Shdr *
elf32_getshdr(*Elf_Scn *scn*);

Elf64_Shdr *
elf64_getshdr(*Elf_Scn *scn*);

#include <gelf.h>

GElf_Shdr *
gelf_getshdr(*Elf_Scn *scn*, *GElf_Shdr *shdr*);

DESCRIPTION

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

Function **elf32_getshdr**() retrieves a pointer to an *Elf32_Shdr* structure. Section descriptor *scn* must be associated with an ELF descriptor of class ELFCLASS32.

Function **elf64_getshdr**() retrieves a pointer to an *Elf64_Shdr* structure. Section descriptor *scn* must be associated with an ELF descriptor of class ELFCLASS64.

Function **gelf_getshdr**() copies the values in the section header associated with argument *scn* to the structure pointed to be argument *dst*. The *GElf_Shdr* data structure is described in gelf(3).

RETURN VALUES

Functions **elf32_getshdr**() and **elf64_getshdr**() return a valid pointer to the appropriate section header on success or NULL if an error was encountered.

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

ERRORS

These functions may fail with the following errors:

[ELF_E_ARGUMENT]
             Arguments *scn* or *shdr* were NULL.

[ELF_E_ARGUMENT]
             Argument *scn* was not associated a descriptor for an ELF object.

[ELF_E_CLASS]   The ELF class associated with the section descriptor *scn* did not match the class
             expected by the API.

SEE ALSO
elf(3), elf_getscn(3), gelf(3), gelf_update_shdr(3)