

**NAME**

**elf\_getshstrndx**, **elf\_setshstrndx** - retrieve/update the index of the section name string table

**LIBRARY**

ELF Access Library (libelf, -lelf)

**SYNOPSIS**

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

*int*

```
elf_getshstrndx(Elf *elf, size_t *ndxptr);
```

*int*

```
elf_setshstrndx(Elf *elf, size_t ndx);
```

**DESCRIPTION**

Function **elf\_getshstrndx()** is deprecated. Please use **elf\_getshdrstrndx(3)** instead.

Function **elf\_getshstrndx()** retrieves the section index of the string table containing section names from descriptor *elf* and stores it into the location pointed to by argument *ndxptr*.

Function **elf\_setshstrndx()** sets the index of the section name string table to argument *ndx*.

These routines allow applications to process both normal ELF objects and ELF objects that use extended section numbering uniformly.

**RETURN VALUES**

These functions return a non-zero value if successful, or zero in case of an error.

**ERRORS**

These functions 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\_ARGUMENT]

Argument *ndx* contained a value in the reserved range of section indices.

**SEE ALSO**

elf(3), elf32\_getehdr(3), elf64\_getehdr(3), elf\_getident(3), elf\_getphdrnum(3), elf\_getshdrnum(3), gelf(3), gelf\_getehdr(3)