

NAME

elf_strptr - retrieve a string pointer in a string table

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

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

```
char *
```

```
elf_strptr(Elf *elf, size_t scndx, size_t stroffset);
```

DESCRIPTION

Function **elf_strptr()** allows an application to convert a string table offset to a string pointer, correctly translating the offset in the presence of multiple *Elf_Data* descriptors covering the contents of the section.

Argument *elf* is a descriptor for an ELF object. Argument *scndx* is the section index for an ELF string table. Argument *stroffset* is the index of the desired string in the string table.

RETURN VALUES

Function **elf_strptr()** returns a valid pointer on success or NULL in case an error was encountered.

ERRORS

[ELF_E_ARGUMENT]

Argument *elf* was NULL

[ELF_E_ARGUMENT]

Argument *elf* was not a descriptor for an ELF object.

[ELF_E_ARGUMENT]

Argument *scndx* was not the section index for a string table.

[ELF_E_ARGUMENT]

Argument *stroffset* exceeded the size of the string table.

[ELF_E_ARGUMENT]

Argument *stroffset* index an unallocated region of the string table.

[ELF_E_DATA]

Offset *stroffset* indexed a region that was not covered by any *Elf_Data*

descriptor.

[ELF_E_DATA] An erroneous *Elf_Data* descriptor was part of the section specified by argument *scndx*.

[ELF_E_HEADER] ELF descriptor *elf* contained an invalid section header.

[ELF_E_RESOURCE] An out of memory condition was detected.

[ELF_E_SECTION] Section *scndx* contained a malformed section header.

[ELF_E_SECTION] The ELF descriptor in argument *elf* did not adhere to the conventions used for extended numbering.

SEE ALSO

[elf\(3\)](#), [elf32_getshdr\(3\)](#), [elf64_getshdr\(3\)](#), [elf_getdata\(3\)](#), [elf_rawdata\(3\)](#), [gelf\(3\)](#), [gelf_getshdr\(3\)](#)