

NAME

`elf_rawdata` - Retrieve unprocessed section data from an ELF section.

SYNOPSIS

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

```
Elf_Data *elf_rawdata(Elf_Scn *scn, Elf_Data *data);
```

DESCRIPTION

The `elf_rawdata()` function returns a pointer to an **Elf_Data** structure containing the unprocessed (raw) contents of the section identified by *scn*. This raw view reflects the exact on-disk binary layout of the ELF file with no modifications made for endianness or memory alignment. Use `elf_getdata(3)` to acquire a view of the data that has been translated to the in-memory format.

If *data* is NULL, the raw data of the section is returned. If *data* is not NULL and raw data has not been initialized, the call fails.

For compressed sections (i.e., with the **SHF_COMPRESSED** flag), the returned **Elf_Data** contains the compressed form, and its **d_type** is **ELF_T_CHDR**.

For sections of type **SHT_NOBITS**, the **d_buf** pointer is NULL.

The *Elf_Data ** returned by this function and its *d_buf* are owned by libelf and should not be freed. They are only valid until `elf_end(3)` is called on the *Elf* descriptor associated with *scn*.

PARAMETERS

scn A section descriptor returned from `elf_getscn(3)` or `elf_nextscn(3)`. If NULL, then this function returns NULL.

data Must be NULL on initial invocation. Any other use is not supported.

RETURN VALUE

Returns a pointer to an **Elf_Data** descriptor describing the raw contents of the section. On failure, NULL is returned and `elf_errno` is set.

SEE ALSO

`elf_getdata(3)`, `elf_getscn(3)`, `elf_compress(3)`, `libelf(3)`, `elf(5)`

ATTRIBUTES

Interface	Attribute	Value
<code>elf_rawdata()</code>	Thread safety	MT-Safe

REPORTING BUGS

Report bugs to <elfutils-devel@sourceware.org> or <https://sourceware.org/bugzilla/>.