

NAME

elf32_getphdr, elf64_getphdr – retrieve the program header table for a 32-bit or 64-bit ELF object file

SYNOPSIS

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

```
Elf32_Phdr *elf32_getphdr(Elf *elf);  
Elf64_Phdr *elf64_getphdr(Elf *elf);
```

DESCRIPTION

Retrieve the program header table for the given ELF descriptor *elf*. The number of elements in the program header table can be retrieved with **elf32_getphdrnum** and **elf64_getphdrnum**. **elf32_newphdr** and **elf64_newphdr** change the size of the program header table or to delete it. If changing an element of the program header table, you must call **elf_flagphdr** with **ELF_C_SET** and **ELF_F_DIRTY** in order to write the new data to disk.

PARAMETERS

elf ELF descriptor from which to retrieve the program header table.

RETURN VALUE

On success, return a pointer to the program header table. Return NULL if there is no program header. On failure, return NULL and set a libelf error code.

SEE ALSO

elf32_newphdr(3), **elf_errno(3)**, **elf_getphdrnum(3)**, **libelf(3)**, **elf(5)**

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
elf32_getphdr() , elf64_getphdr()	Thread safety	MT-Safe

REPORTING BUGS

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