

NAME

`elf32_newphdr`, `elf64_newphdr` – create a new program header table for a 32-bit or 64-bit ELF object file

SYNOPSIS

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

```
Elf32_Phdr *elf32_newphdr(Elf *elf, size_t count);
```

```
Elf64_Phdr *elf64_newphdr(Elf *elf, size_t count);
```

DESCRIPTION

Create a new program header table for the ELF object file referred to by *elf*. The number of entries in the new program header table is specified by *count*. A count of zero removes the existing program header table.

The function allocates a new array of **Elf32_Phdr** and makes it the program header table for *elf*. The new program header contents are set to zero and any previous program header table is discarded. An ELF header must exist before creating a program header table.

PARAMETERS

elf Pointer to the ELF object for which a new program header table is to be created.

count The number of entries in the new program header table. A count of zero removes the existing program header table.

RETURN VALUE

On success, return a pointer to the first **Elf32_Phdr** in the newly created program header table. If *elf* is NULL then return NULL. If an error occurs, return NULL and set a libelf error code.

SEE ALSO

`elf32_newehdr(3)`, `elf_errno(3)`, `libelf(3)`, `elf(5)`

ATTRIBUTES

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

Interface	Attribute	Value
<code>elf32_newphdr()</code> , <code>elf64_newphdr()</code>	Thread safety	MT-Safe

REPORTING BUGS

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