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Linux Ubuntu 26.04 Manual Pages on command 'valloc.3'

$ man valloc.3

valloc(3) Library Functions Manual valloc(3)

NAME

valloc - page-aligned memory allocation

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>

[[deprecated]] void *valloc(size_t size);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

valloc():

Since glibc 2.12:

(_XOPEN_SOURCE >= 500) && !(_POSIX_C_SOURCE >= 200112L)

|| /* glibc >= 2.19: */ _DEFAULT_SOURCE

|| /* glibc <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE

Before glibc 2.12:

_BSD_SOURCE || _XOPEN_SOURCE >= 500

DESCRIPTION

valloc() allocates size bytes and returns a pointer to the allocated memory. The memory ad?

dress will be a multiple of the page size.

It is equivalent to memalign(sysconf(_SC_PAGESIZE),size).

ATTRIBUTES

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

??

? Interface ? Attribute ? Value ?

??

? valloc() ? Thread safety ? MT-Unsafe init ?

??

VERSIONS

According to SUSv2, valloc() is declared in <stdlib.h>. glibc declares it in <malloc.h>, and also in <stdlib.h> if suitable feature test macros are defined (see above).

STANDARDS

BSD, GNU.

HISTORY

glibc 2.0. 3.0BSD. Documented as obsolete in 4.3BSD, and as legacy in SUSv2.

CAVEATS

See memalign(3).

SEE ALSO

memalign(3)