NAME

get_phys_pages, get_avphys_pages - get total and available physical page counts

SYNOPSIS

#include <sys/sysinfo.h>

long int get_phys_pages(void); long int get_avphys_pages(void);

DESCRIPTION

The function **get_phys_pages**() returns the total number of physical pages of memory available on the system.

The function **get_avphys_pages**() returns the number of currently available physical pages of memory on the system.

RETURN VALUE

On success, these functions return a nonnegative value as given in DESCRIPTION. On failure, they return -1 and set *errno* to indicate the cause of the error.

ERRORS

ENOSYS

The system could not provide the required information (possibly because the */proc* filesystem was not mounted).

CONFORMING TO

These functions are GNU extensions.

NOTES

These functions obtain the required information by scanning the *MemTotal* and *MemFree* fields of */proc/meminfo*.

The following **sysconf**(3) calls provide a portable means of obtaining the same information as the functions described on this page.

EXAMPLE

The following example shows how get_phys_pages() and get_avphys_pages() can be used.

SEE ALSO

sysconf(3)

COLOPHON

This page is part of release 5.05 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at https://www.kernel.org/doc/man-pages/.