

NAME

getpagesizes - get system page sizes

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <sys/mman.h>
```

int

```
getpagesizes(size_t pagesize[], int nelem);
```

DESCRIPTION

The **getpagesizes()** function retrieves page size information from the system. When it is called with *pagesize* specified as NULL and *nelem* specified as 0, it returns the number of distinct page sizes that are supported by the system. Otherwise, it assigns up to *nelem* of the system-supported page sizes to consecutive elements of the array referenced by *pagesize*. These page sizes are expressed in bytes. In this case, **getpagesizes()** returns the number of such page sizes that it assigned to the array.

RETURN VALUES

If successful, the **getpagesizes()** function returns either the number of page sizes that are supported by the system or the number of supported page sizes that it assigned to the array referenced by *pagesize*. Otherwise, it returns the value -1 and sets *errno* to indicate the error.

ERRORS

The **getpagesizes()** function will succeed unless:

[EINVAL] The *pagesize* argument is NULL and the *nelem* argument is non-zero.

[EINVAL] The *nelem* argument is less than zero.

SEE ALSO

getpagesize(3)

HISTORY

The **getpagesizes()** function first appeared in Solaris 9. This manual page was written in conjunction with a new but compatible implementation that was first released in FreeBSD 7.3.

AUTHORS

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