NAME
        getpagesize − get memory page size

SYNOPSIS
        #include <unistd.h>

        int getpagesize(void);

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

        getpagesize():
                Since glibc 2.19:
                        _DEFAULT_SOURCE || ! (_POSIX_C_SOURCE >= 200112L)
                From glibc 2.12 to 2.19:
                        _BSD_SOURCE || ! (_POSIX_C_SOURCE >= 200112L)
                Before glibc 2.12:
                        _BSD_SOURCE || _XOPEN_SOURCE >= 500

DESCRIPTION
        The function **getpagesize**() returns the number of bytes in a memory page, where "page" is a fixed-length
        block, the unit for memory allocation and file mapping performed by **mmap**(2).

CONFORMING TO
        SVr4, 4.4BSD, SUSv2. In SUSv2 the **getpagesize**() call is labeled LEGACY, and in POSIX.1-2001 it has
        been dropped; HP-UX does not have this call.

NOTES
        Portable applications should employ *sysconf(_SC_PAGESIZE)* instead of **getpagesize**():

                #include <unistd.h>
                long sz = sysconf(_SC_PAGESIZE);

        (Most systems allow the synonym **_SC_PAGE_SIZE** for **_SC_PAGESIZE**.)

        Whether **getpagesize**() is present as a Linux system call depends on the architecture. If it is, it returns the
        kernel symbol **PAGE_SIZE**, whose value depends on the architecture and machine model. Generally, one
        uses binaries that are dependent on the architecture but not on the machine model, in order to have a single
        binary distribution per architecture. This means that a user program should not find **PAGE_SIZE** at com-
        pile time from a header file, but use an actual system call, at least for those architectures (like sun4) where
        this dependency exists. Here glibc 2.0 fails because its **getpagesize**() returns a statically derived value, and
        does not use a system call. Things are OK in glibc 2.1.

SEE ALSO
        mmap(2), **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/.