NAME

unistd – header for symbolic constants

SYNOPSIS

#include <unistd.h>

DESCRIPTION

The **<unistd.h>** header defines the symbolic constants and structures which are not already defined or declared in some other header. The contents of this header are shown below.

The following symbolic constants are defined for the **access** function [see **access**(2)]:

R_OK	Test for read permission
W_OK	Test for write permission
X_OK	Test for execute (search) permission
F_OK	Test for existence of file

The constants **F_OK**, **R_OK**, **W_OK**, and **X_OK**, and the expressions **R_OK | W_OK**, **R_OK | X_OK**, and **R_OK | W_OK | X_OK** all have distinct values.

Declares the constant

NULL	null pointer

The following symbolic constants are defined for the **lockf** function [see **lockf**(3C)]:

F_ULOCK	Unlock a previously locked region
F_LOCK	Lock a region for exclusive use
F_TLOCK	Test and lock a region for exclusive use
F_TEST	Test a region for other processes locks

The following symbolic constants are defined for the **lseek** [see **lseek**(2)] and **fcntl** [see **fcntl**(2)] functions (they have distinct values):

SEEK_SET	Set file offset to *offset*
SEEK_CUR	Set file offset to current plus *offset*
SEEK_END	Set file offset to EOF plus *offset*

The following symbolic constants are defined (with fixed values):

_POSIX_VERSION	Integer value indicating version of the POSIX standard

_XOPEN_VERSION	integer value indicating version of the XPG to which system is compliant

The following symbolic constants are defined to indicate that the option is present:

_POSIX_JOB_CONTROL	implementation supports job control
_POSIX_SAVED_IDS	the exec functions (see **exec**(2))
save	the effective user and group
_POSIX_VDISABLE	terminal special characters defined in **<termios.h>** (see **termio**(7I)) can be disabled using this character

The following symbolic constants are defined for **sysconf** (see **sysconf**(3C)):

_SC_ARG_MAX
_SC_CHILD_MAX
_SC_CLK_TCK
_SC_JOB_CONTROL
_SC_NGROUPS_MAX
_SC_OPEN_MAX
_SC_PAGESIZE
_SC_PASS_MAX
_SC_SAVED_IDS
_SC_VERSION
_SC_XOPEN_VERSION

The following symbolic constants are defined for **pathconf** (see **fpathconf**(2)):

_PC_CHOWN_RESTRICTED
_PC_LINK_MAX
_PC_MAX_CANON
_PC_MAX_INPUT
_PC_NAME_MAX
_PC_NO_TRUNC
_PC_PATH_MAX
_PC_PIPE_BUF
_PC_VDISABLE

The following symbolic constants are defined for file streams:

STDIN_FILENO	File number of **stdin**. It is **0**.
STDOUT_FILENO	File number of **stout**. It is **1**.
STDERR_FILENO	File number of **stderr**. It is **2**.

The following pathnames are defined:

GF_PATH	Pathname of the group file.
PF_PATH	Pathname of the passwd file.

NOTES

The following values for constants are defined:

_POSIX_VERSION	199009L
_XOPEN_VERSION	3

SEE ALSO

access(2), **exec**(2), **fcntl**(2), **fpathconf**(2), **lseek**(2), **termios**(3), **sysconf**(3C), **group**(4), **passwd**(4), **termio**(7I)