NAME

acl_from_mode_np - create an ACL from status information

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <sys/types.h>
#include <sys/acl.h>

acl_t
acl_from_mode_np(*const mode_t mode*);

DESCRIPTION

The **acl_from_mode_np**() function is a non-portable call that converts the permissions set referred to by *mode* into the corresponding minimal ACL structure, appropriate for applying to files or manipulating.

This function causes memory to be allocated. The caller should free any free-able memory, when the new ACL is no longer required, by calling acl_free(3) with the *(void *)acl_t* as an argument.

RETURN VALUES

Upon successful completion, the function returns a pointer to the internal representation of the ACL in working storage. Otherwise, a value of *(acl_t)NULL* is returned, and *errno* is set to indicate the error.

ERRORS

If any of the following conditions occur, the **acl_from_mode_np**() function returns a value of *(acl_t)NULL* and set *errno* to the corresponding value:

[ENOMEM] The ACL working storage requires more memory than is allowed by the hardware or system-imposed memory management constraints.

SEE ALSO

acl(3), acl_free(3), acl_from_text(3), posix1e(3)

STANDARDS

POSIX.1e is described in IEEE POSIX.1e draft 17. Discussion of the draft continues on the cross-platform POSIX.1e implementation mailing list. To join this list, see the FreeBSD POSIX.1e implementation page for more information.

HISTORY

POSIX.1e support was introduced in FreeBSD 4.0, and development continues.

AUTHORS

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