NAME

acl_equiv_mode_np - check if ACL can be represented as UNIX permissions

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

int
acl_equiv_mode_np(*acl_t acl*, *mode_t* mode_p*);

DESCRIPTION

The **acl_equiv_mode_np**() function is a non-portable call which checks that entries contained in the *acl* argument use only the ACL_USER_OBJ, ACL_GROUP_OBJ, and ACL_OTHER tag types, and that permissions contained in these entries consist only of ACL_READ, ACL_WRITE and ACL_EXECUTE. If the check succeeds, the ACL can be represented as traditional UNIX file permissions bits set.

If *mode_p* is not NULL and the check succeeds, the function fills the argument with a mode value corresponding to permissions contained in the ACL.

RETURN VALUES

Upon successful completion, the function returns 0 if the ACL can be represented as UNIX permissions and 1 if it is not possible. Otherwise, a value of *-1* is returned, and *errno* is set to indicate the error.

ERRORS

If any of the following conditions occur, the **acl_equiv_mode_np**() function returns a value of *-1* and set *errno* to the corresponding value:

[EINVAL]   Argument *acl* does not point to a valid ACL.

SEE ALSO

acl(3), acl_from_mode_np(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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