

**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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