NAME

acl_from_mode — create an ACL from file permission bits

LIBRARY

Linux Access Control Lists library (libacl, −lacl).

SYNOPSIS

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

acl_t
acl_from_mode(mode_t mode);
```

DESCRIPTION

The **acl_from_mode**() function creates a minimal ACL that contains the three entries with tag types ACL_USER_OBJ, ACL_GROUP_OBJ, and ACL_OTHER, with permissions corresponding to the owner, group, and other permission bits of its argument *mode*.

RETURN VALUE

On success, this function returns a pointer to the working storage. On error, a value of `(acl_t)NULL` is returned, and *errno* is set appropriately.

ERRORS

If any of the following conditions occur, the **acl_from_mode**() function returns a value of `(acl_t)NULL` and sets *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.

STANDARDS

This is a non-portable, Linux specific extension to the ACL manipulation functions defined in IEEE Std 1003.1e draft 17 (“POSIX.1e”, abandoned).

SEE ALSO

acl_equiv_mode(3), *acl_get_file*(3), *acl*(5)

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