

NAME

acl_create_entry, **acl_create_entry_np** - create a new ACL entry

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

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

int

```
acl_create_entry(acl_t *acl_p, acl_entry_t *entry_p);
```

int

```
acl_create_entry_np(acl_t *acl_p, acl_entry_t *entry_p, int index);
```

DESCRIPTION

The **acl_create_entry()** function is a POSIX.1e call that creates a new ACL entry in the ACL pointed to by *acl_p*. The **acl_create_entry_np()** function is a non-portable version that creates the ACL entry at position *index*. Positions are numbered starting from zero, i.e. calling **acl_create_entry_np()** with *index* argument equal to zero will prepend the entry to the ACL.

RETURN VALUES

The **acl_create_entry()** function returns the value 0 if successful; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

The **acl_create_entry()** function fails if:

[EINVAL] Argument *acl_p* does not point to a pointer to a valid ACL. Argument *index* is out of bounds.

[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_delete_entry(3), acl_get_entry(3), posix1e(3)

STANDARDS

POSIX.1e is described in IEEE POSIX.1e draft 17.

HISTORY

POSIX.1e support was introduced in FreeBSD 4.0. The **acl_create_entry()** function was added in FreeBSD 5.0.

AUTHORS

The **acl_create_entry()** function was written by Chris D. Faulhaber <jedgar@fxp.org>.