

NAME

`acl_from_text` — create an ACL from text

LIBRARY

Linux Access Control Lists library (`libacl`, `-lacl`).

SYNOPSIS

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

acl_t
acl_from_text(const char *buf_p);
```

DESCRIPTION

The **`acl_from_text()`** function converts the text form of the ACL referred to by *buf_p* into the internal form of an ACL and returns a pointer to the working storage that contains the ACL. The **`acl_from_text()`** function accepts as input the long text form and short text form of an ACL as described in *acl(5)*.

This function may cause memory to be allocated. The caller should free any releasable memory, when the new ACL is no longer required, by calling *acl_free(3)* with the *(void*)acl_t* returned by **`acl_from_text()`** as an argument.

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_text()`** function returns a value of *(acl_t) NULL* and sets *errno* to the corresponding value:

- | | |
|----------|---|
| [EINVAL] | The argument <i>buf_p</i> cannot be translated into an ACL. |
| [ENOMEM] | The <i>acl_t</i> to be returned requires more memory than is allowed by the hardware or system-imposed memory management constraints. |

STANDARDS

IEEE Std 1003.1e draft 17 (“POSIX.1e”, abandoned)

SEE ALSO

acl_free(3), *acl_get_entry(3)*, *acl_to_text(3)*, *acl(5)*

AUTHOR

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