

NAME

`acl_size` — get the size of the external representation of an ACL

LIBRARY

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

SYNOPSIS

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

ssize_t
acl_size(acl_t acl);
```

DESCRIPTION

The **`acl_size()`** function return the size, in bytes, of the buffer required to hold the exportable, contiguous, persistent form of the ACL pointed to by the argument *acl*, when converted by **`acl_copy_ext()`**.

Any existing ACL entry descriptors that refer to entries in *acl* continue to refer to the same entries. Any existing ACL pointers that refer to the ACL referred to by *acl* continue to refer to the ACL. The order of ACL entries within *acl* remains unchanged.

RETURN VALUE

On success, the **`acl_size()`** function returns the size in bytes of the contiguous, persistent form of the ACL. On error, a value of `(ssize_t) - 1` is returned and *errno* is set appropriately.

ERRORS

If any of the following conditions occur, the **`acl_size()`** function returns a value of `(ssize_t) - 1` and sets *errno* to the corresponding value:

[EINVAL] The argument *acl* is not a valid pointer to an ACL.

STANDARDS

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

SEE ALSO

acl_copy_ext(3), *acl(5)*

AUTHOR

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