

**NAME**

`acl_delete_def_file` — delete a default ACL by filename

**LIBRARY**

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

**SYNOPSIS**

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

int
acl_delete_def_file(const char *path_p);
```

**DESCRIPTION**

The `acl_delete_def_file()` function deletes a default ACL from the directory whose pathname is pointed to by the argument `path_p`.

The effective user ID of the process must match the owner of the file or directory or the process must have the CAP\_FOWNER capability for the request to succeed.

If the argument `path_p` is not a directory, then the function fails. It is no error if the directory whose pathname is pointed to by the argument `path_p` does not have a default ACL.

**RETURN VALUE**

The `acl_delete_def_file()` 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**

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

|           |                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| [EINVAL]  | The file referred to by <code>path_p</code> is not a directory.                                                             |
| [ENOTSUP] | The file system on which the file identified by <code>path_p</code> is located does not support ACLs, or ACLs are disabled. |
| [EPERM]   | The process does not have appropriate privilege to perform the operation to delete the default ACL.                         |
| [EROFS]   | This function requires modification of a file system which is currently read-only.                                          |

**STANDARDS**

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

**SEE ALSO**

`acl_get_file(3)`, `acl_set_file(3)`, `acl(5)`

**AUTHOR**

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