NAME

setreuid - set real and effective user ID's

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <unistd.h>

int
setreuid(*uid_t ruid*, *uid_t euid*);

DESCRIPTION

The real and effective user IDs of the current process are set according to the arguments. If *ruid* or *euid* is -1, the current uid is filled in by the system. Unprivileged users may change the real user ID to the effective user ID and vice-versa; only the super-user may make other changes.

If the real user ID is changed (i.e. *ruid* is not -1) or the effective user ID is changed to something other than the real user ID, then the saved user ID will be set to the effective user ID.

The **setreuid**() system call has been used to swap the real and effective user IDs in set-user-ID programs to temporarily relinquish the set-user-ID value. This purpose is now better served by the use of the seteuid(2) system call.

When setting the real and effective user IDs to the same value, the standard **setuid**() system call is preferred.

RETURN VALUES

The **setreuid**() 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

[EPERM] The current process is not the super-user and a change other than changing the effective user-id to the real user-id was specified.

SEE ALSO

getuid(2), issetugid(2), seteuid(2), setuid(2)

HISTORY

The **setreuid**() system call appeared in 4.2BSD.