NAME

getresgid, **getresuid**, **setresgid**, **setresuid** - get or set real, effective and saved user or group ID

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

int
getresgid(*gid_t *rgid, gid_t *egid, gid_t *sgid*);

int
getresuid(*uid_t *ruid, uid_t *euid, uid_t *suid*);

int
setresgid(*gid_t rgid, gid_t egid, gid_t sgid*);

int
setresuid(*uid_t ruid, uid_t euid, uid_t suid*);

DESCRIPTION

The **setresuid**() system call sets the real, effective and saved user IDs of the current process. The analogous **setresgid**() sets the real, effective and saved group IDs.

Privileged processes may set these IDs to arbitrary values. Unprivileged processes are restricted in that each of the new IDs must match one of the current IDs.

Passing -1 as an argument causes the corresponding value to remain unchanged.

The **getresgid**() and **getresuid**() calls retrieve the real, effective, and saved group and user IDs of the current process, respectively.

RETURN VALUES

Upon successful completion, the value 0 is returned; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

[EPERM] The calling process was not privileged and tried to change one or more IDs to a

value which was not the current real ID, the current effective ID nor the current saved ID.

[EFAULT] An address passed to **getresgid**() or **getresuid**() was invalid.

SEE ALSO

getegid(2), geteuid(2), getgid(2), getuid(2), issetugid(2), setgid(2), setregid(2), setreuid(2), setuid(2)

HISTORY

These functions first appeared in HP-UX.