NAME
setresuid, setresgid – set real, effective and saved user or group ID

SYNOPSIS
#define _GNU_SOURCE
#include <unistd.h>

int setresuid(uid_t *ruid***, uid_t** *euid***, uid_t** *suid***);**
int setresgid(gid_t *rgid***, gid_t** *egid***, gid_t** *sgid***);**

DESCRIPTION
setresuid() sets the real user ID, the effective user ID, and the saved set-user-ID of the calling process.

Unprivileged user processes may change the real UID, effective UID, and saved set-user-ID, each to one of: the current real UID, the current effective UID or the current saved set-user-ID.

Privileged processes (on Linux, those having the **CAP_SETUID** capability) may set the real UID, effective UID, and saved set-user-ID to arbitrary values.

If one of the arguments equals −1, the corresponding value is not changed.

Regardless of what changes are made to the real UID, effective UID, and saved set-user-ID, the file system UID is always set to the same value as the (possibly new) effective UID.

Completely analogously, **setresgid**() sets the real GID, effective GID, and saved set-group-ID of the calling process (and always modifies the file system GID to be the same as the effective GID), with the same restrictions for non-privileged processes.

RETURN VALUE
On success, zero is returned. On error, −1 is returned, and *errno* is set appropriately.

ERRORS
EAGAIN
> *uid* does not match the current UID and this call would bring that user ID over its **RLIMIT_NPROC** resource limit.

EPERM
> The calling process is not privileged (did not have the **CAP_SETUID** capability) and tried to change the IDs to values that are not permitted.

VERSIONS
These calls are available under Linux since Linux 2.1.44.

CONFORMING TO
These calls are non-standard; they also appear on HP-UX and some of the BSDs.

NOTES
Under HP-UX and FreeBSD the prototype is found in *<unistd.h>*. Under Linux the prototype is provided by glibc since version 2.3.2.

SEE ALSO
getresuid(2), **getuid**(2), **setfsgid**(2), **setfsuid**(2), **setreuid**(2), **setuid**(2), **capabilities**(7), **credentials**(7), **feature_test_macros**(7)

COLOPHON
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