

NAME

getresuid, getresgid – get real, effective and saved user/group IDs

SYNOPSIS

```
#define _GNU_SOURCE
#include <unistd.h>
```

```
int getresuid(uid_t *ruid, uid_t *euid, uid_t *suid);
int getresgid(gid_t *rgid, gid_t *egid, gid_t *sgid);
```

DESCRIPTION

getresuid() returns the real UID, the effective UID, and the saved set-user-ID of the calling process, in the arguments *ruid*, *euid*, and *suid*, respectively. **getresgid()** performs the analogous task for the process's group IDs.

RETURN VALUE

On success, zero is returned. On error, `-1` is returned, and *errno* is set appropriately.

ERRORS**EFAULT**

One of the arguments specified an address outside the calling program's address space.

VERSIONS

These system calls appeared on Linux starting with kernel 2.1.44.

The prototypes are given by glibc since version 2.3.2, provided **_GNU_SOURCE** is defined.

CONFORMING TO

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

SEE ALSO

getuid(2), **setresuid(2)**, **setreuid(2)**, **setuid(2)**, **credentials(7)**, **feature_test_macros(7)**

COLOPHON

This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at <http://www.kernel.org/doc/man-pages/>.