

NAME

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

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#define _GNU_SOURCE      /* See feature_test_macros(7) */
#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 to indicate the error.

ERRORS**EFAULT**

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

VERSIONS

These system calls were added on Linux 2.1.44.

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

STANDARDS

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

NOTES

The original Linux **getresuid()** and **getresgid()** system calls supported only 16-bit user and group IDs. Subsequently, Linux 2.4 added **getresuid32()** and **getresgid32()**, supporting 32-bit IDs. The glibc **getresuid()** and **getresgid()** wrapper functions transparently deal with the variations across kernel versions.

SEE ALSO

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