



Linux Ubuntu 26.04 Manual Pages on command 'getresuid.2'

\$ man getresuid.2

getresuid(2) System Calls Manual getresuid(2)

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.

STANDARDS

POSIX.1-2024 XSI.

HISTORY

Linux 2.1.44, glibc 2.3.2, POSIX.1-2024 XSI.

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)`

Linux man-pages 6.17

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`getresuid(2)`