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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'getresgid.2'***

#### ***\$ man getresgid.2***

GETRESUID(2)                      Linux Programmer's Manual                      GETRESUID(2)

#### NAME

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

#### 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 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 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)`

#### COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

Linux

2017-09-15

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