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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'getuid32.2'***

#### ***\$ man getuid32.2***

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

#### **NAME**

getuid, geteuid - get user identity

#### **SYNOPSIS**

```
#include <unistd.h>

#include <sys/types.h>

uid_t getuid(void);

uid_t geteuid(void);
```

#### **DESCRIPTION**

getuid() returns the real user ID of the calling process.

geteuid() returns the effective user ID of the calling process.

#### **ERRORS**

These functions are always successful.

#### **CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, 4.3BSD.

#### **NOTES**

##### **History**

In UNIX V6 the getuid() call returned (euid << 8) + uid. UNIX V7 introduced separate calls getuid() and geteuid().

The original Linux getuid() and geteuid() system calls supported only 16-bit user IDs.

Subsequently, Linux 2.4 added getuid32() and geteuid32(), supporting 32-bit IDs. The

glibc getuid() and geteuid() wrapper functions transparently deal with the variations

across kernel versions.

On Alpha, instead of a pair of `getuid()` and `geteuid()` system calls, a single `getxuid()` system call is provided, which returns a pair of real and effective UIDs. The glibc `getuid()` and `geteuid()` wrapper functions transparently deal with this. See `syscall(2)` for details regarding register mapping.

#### SEE ALSO

`getresuid(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

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