



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getuid32.2' command

\$ 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/>.

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