



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

\$ man geteuid.2

geteuid(2) System Calls Manual geteuid(2)

NAME

getuid, geteuid - get user identity

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <unistd.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 and never modify errno.

STANDARDS

POSIX.1-2024.

HISTORY

4.3BSD, POSIX.1-1988.

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)`

Linux man-pages 6.17

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`getuid(2)`