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.1-2001, 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)