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

NAME   top

       getuid, geteuid - get user identity

SYNOPSIS   top

       #include <unistd.h>
       #include <sys/types.h>

       uid_t getuid(void);
       uid_t geteuid(void);

DESCRIPTION   top

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

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

ERRORS   top

       These functions are always successful.

CONFORMING TO   top

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

NOTES   top

   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   top

getresuid(2), setreuid(2), setuid(2), credentials(7)

COLOPHON   top

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Pages that refer to this page: gawk(1),   groups(1@@shadow-utils),   procps(1),   ps(1), strace(1),   getresuid(2),   seteuid(2),   setpgid(2),   setresuid(2),   setreuid(2),   setuid(2), syscalls(2),   getlogin(3),   pam_close_session(3),   pam_open_session(3),   credentials(7), signal-safety(7),   user_namespaces(7)
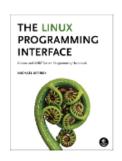
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