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

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