

**NAME**

getgid, getegid – get group identity

**SYNOPSIS**

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

gid_t getgid(void);
gid_t getegid(void);
```

**DESCRIPTION**

**getgid()** returns the real group ID of the calling process.

**getegid()** returns the effective group ID of the calling process.

**ERRORS**

These functions are always successful.

**CONFORMING TO**

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

**NOTES**

The original Linux **getgid()** and **getegid()** system calls supported only 16-bit group IDs. Subsequently, Linux 2.4 added **getgid32()** and **getegid32()**, supporting 32-bit IDs. The glibc **getgid()** and **getegid()** wrapper functions transparently deal with the variations across kernel versions.

On Alpha, instead of a pair of **getgid()** and **getegid()** system calls, a single **getxgid()** system call is provided, which returns a pair of real and effective GIDs. The glibc **getgid()** and **getegid()** wrapper functions transparently deal with this. See **syscall(2)** for details regarding register mapping.

**SEE ALSO**

**getresgid(2)**, **setgid(2)**, **setregid(2)**, **credentials(7)**

**COLOPHON**

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