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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getuid.3p' command***

**\$ man getuid.3p**

GETUID(3P)            POSIX Programmer's Manual            GETUID(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

getuid ? get a real user ID

### SYNOPSIS

```
#include <unistd.h>

uid_t getuid(void);
```

### DESCRIPTION

The getuid() function shall return the real user ID of the calling process. The getuid() function shall not modify errno.

### RETURN VALUE

The getuid() function shall always be successful and no return value is reserved to indicate the error.

### ERRORS

No errors are defined.

The following sections are informative.

### EXAMPLES

Setting the Effective User ID to the Real User ID

The following example sets the effective user ID of the calling process

to the real user ID.

```
#include <unistd.h>
```

```
...
```

```
seteuid(getuid());
```

## APPLICATION USAGE

None.

## RATIONALE

In a conforming environment, `getuid()` will always succeed. It is possible for implementations to provide an extension where a process in a non-conforming environment will not be associated with a user or group ID. It is recommended that such implementations return `(uid_t)-1` and set `errno` to indicate such an environment; doing so does not violate this standard, since such an environment is already an extension.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`getegid()`, `geteuid()`, `getgid()`, `setegid()`, `seteuid()`, `setgid()`, `setregid()`, `setreuid()`, `setuid()`

The Base Definitions volume of POSIX.1-2017, `<sys_types.h>`, `<unistd.h>`

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