

**NAME**

getusershell, setusershell, endusershell – get permitted user shells

**SYNOPSIS**

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

```
char *getusershell(void);
```

```
void setusershell(void);
```

```
void endusershell(void);
```

Feature Test Macro Requirements for glibc (see **feature\_test\_macros(7)**):

**getusershell()**, **setusershell()**, **endusershell()**:

Since glibc 2.21:

```
_DEFAULT_SOURCE
```

In glibc 2.19 and 2.20:

```
_DEFAULT_SOURCE || (_XOPEN_SOURCE && _XOPEN_SOURCE < 500)
```

Up to and including glibc 2.19:

```
_BSD_SOURCE || (_XOPEN_SOURCE && _XOPEN_SOURCE < 500)
```

**DESCRIPTION**

The **getusershell()** function returns the next line from the file */etc/shells*, opening the file if necessary. The line should contain the pathname of a valid user shell. If */etc/shells* does not exist or is unreadable, **getusershell()** behaves as if */bin/sh* and */bin/csh* were listed in the file.

The **setusershell()** function rewinds */etc/shells*.

The **endusershell()** function closes */etc/shells*.

**RETURN VALUE**

The **getusershell()** function returns NULL on end-of-file.

**FILES**

*/etc/shells*

**ATTRIBUTES**

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
<b>getusershell()</b> , <b>setusershell()</b> , <b>endusershell()</b>	Thread safety	MT-Unsafe

**CONFORMING TO**

4.3BSD.

**SEE ALSO**

**shells(5)**

**COLOPHON**

This page is part of release 5.02 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.