NAME

```
wait3, wait4 - wait for process to change state, BSD style
```

SYNOPSIS

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

```
wait3(): _BSD_SOURCE
wait4(): _BSD_SOURCE || _XOPEN_SOURCE >= 500
```

DESCRIPTION

The **wait3**() and **wait4**() system calls are similar to **waitpid**(2), but additionally return resource usage information about the child in the structure pointed to by *rusage*.

Other than the use of the *rusage* argument, the following wait3() call:

```
wait3(status, options, rusage);
is equivalent to:
    waitpid(-1, status, options);
Similarly, the following wait4() call:
    wait4(pid, status, options, rusage);
is equivalent to:
    waitpid(pid, status, options);
```

In other words, **wait3**() waits of any child, while **wait4**() can be used to select a specific child, or children, on which to wait. See **wait**(2) for further details.

If *rusage* is not NULL, the *struct rusage* to which it points will be filled with accounting information about the child. See **getrusage**(2) for details.

RETURN VALUE

As for waitpid(2).

ERRORS

As for waitpid(2).

CONFORMING TO

4.3BSD.

NOTES

Including <sys/time.h> is not required these days, but increases portability. (Indeed, <sys/resource.h> defines the rusage structure with fields of type struct timeval defined in <sys/time.h>.)

On Linux, wait3() is a library function implemented on top of the wait4() system call.

SEE ALSO

fork(2), getrusage(2), sigaction(2), signal(2), wait(2), signal(7)

COLOPHON

This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.

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