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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sys\_wait.h.0p' command***

**\$ man sys\_wait.h.0p**

sys\_wait.h(0P)      POSIX Programmer's Manual      sys\_wait.h(0P)

### 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

sys/wait.h ? declarations for waiting

### SYNOPSIS

```
#include <sys/wait.h>
```

### DESCRIPTION

The <sys/wait.h> header shall define the following symbolic constants for use with waitpid():

WCONTINUED    Report status of continued child process.

WNOHANG      Do not hang if no status is available; return immediately.

WUNTRACED    Report status of stopped child process.

The <sys/wait.h> header shall define the following macros for analysis of process status values:

WEXITSTATUS    Return exit status.

WIFCONTINUED    True if child has been continued.

WIFEXITED      True if child exited normally.

WIFSIGNALED    True if child exited due to uncaught signal.

WIFSTOPPED True if child is currently stopped.

WSTOPSIG Return signal number that caused process to stop.

WTERMSIG Return signal number that caused process to terminate.

The `<sys/wait.h>` header shall define the following symbolic constants as possible values for the options argument to `waitid()`:

WEXITED Wait for processes that have exited.

WNOWAIT Keep the process whose status is returned in `infop` in a waitable state.

WSTOPPED Status is returned for any child that has stopped upon receipt of a signal.

The `WCONTINUED` and `WNOHANG` constants, described above for `waitpid()`, can also be used with `waitid()`.

The type `idtype_t` shall be defined as an enumeration type whose possible values shall include at least the following: `P_ALL` `P_PGID` `P_PID`

The `<sys/wait.h>` header shall define the `id_t` and `pid_t` types as described in `<sys/types.h>`.

The `<sys/wait.h>` header shall define the `siginfo_t` type and the signal union as described in `<signal.h>`.

Inclusion of the `<sys/wait.h>` header may also make visible all symbols from `<signal.h>`.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
pid_t wait(int *);
```

```
int waitid(idtype_t, id_t, siginfo_t *, int);
```

```
pid_t waitpid(pid_t, int *, int);
```

The following sections are informative.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

<signal.h>, <sys\_resource.h>, <sys\_types.h>

The System Interfaces volume of POSIX.1-2017, wait(), waitid()

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