



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'siglongjmp.3p' command

\$ man siglongjmp.3p

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

siglongjmp ? non-local goto with signal handling

SYNOPSIS

```
#include <setjmp.h>

void siglongjmp(sigjmp_buf env, int val);
```

DESCRIPTION

The siglongjmp() function shall be equivalent to the longjmp() function, except as follows:

- * References to setjmp() shall be equivalent to sigsetjmp().
- * The siglongjmp() function shall restore the saved signal mask if and only if the env argument was initialized by a call to sigsetjmp() with a non-zero savemask argument.

RETURN VALUE

After siglongjmp() is completed, program execution shall continue as if the corresponding invocation of sigsetjmp() had just returned the value specified by val. The siglongjmp() function shall not cause sigsetjmp() to return 0; if val is 0, sigsetjmp() shall return the

value 1.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

The distinction between `setjmp()` or `longjmp()` and `sigsetjmp()` or `siglongjmp()` is only significant for programs which use `sigaction()`, `sigprocmask()`, or `sigsuspend()`.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`longjmp()`, `pthread_sigmask()`, `setjmp()`, `sigsetjmp()`, `sigsuspend()`

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

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