



Full credit is given to the above companies including the OS that this PDF file was generated!

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

\$ man _longjmp.3p

`_LONGJMP(3P)` POSIX Programmer's Manual `_LONGJMP(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

`_longjmp`, `_setjmp` ? non-local goto

SYNOPSIS

```
#include <setjmp.h>

void _longjmp(jmp_buf env, int val);

int _setjmp(jmp_buf env);
```

DESCRIPTION

The `_longjmp()` and `_setjmp()` functions shall be equivalent to `longjmp()` and `setjmp()`, respectively, with the additional restriction that `_longjmp()` and `_setjmp()` shall not manipulate the signal mask. If `_longjmp()` is called even though `env` was never initialized by a call to `_setjmp()`, or when the last such call was in a function that has since returned, the results are undefined.

RETURN VALUE

Refer to `longjmp()` and `setjmp()`.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

If `_longjmp()` is executed and the environment in which `_setjmp()` was executed no longer exists, errors can occur. The conditions under which the environment of the `_setjmp()` no longer exists include exiting the function that contains the `_setjmp()` call, and exiting an inner block with temporary storage. This condition might not be detectable, in which case the `_longjmp()` occurs and, if the environment no longer exists, the contents of the temporary storage of an inner block are unpredictable. This condition might also cause unexpected process termination. If the function has returned, the results are undefined.

Passing `longjmp()` a pointer to a buffer not created by `setjmp()`, passing `_longjmp()` a pointer to a buffer not created by `_setjmp()`, passing `siglongjmp()` a pointer to a buffer not created by `sigsetjmp()`, or passing any of these three functions a buffer that has been modified by the user can cause all the problems listed above, and more.

The `_longjmp()` and `_setjmp()` functions are included to support programs written to historical system interfaces. New applications should use `siglongjmp()` and `sigsetjmp()` respectively.

RATIONALE

None.

FUTURE DIRECTIONS

The `_longjmp()` and `_setjmp()` functions may be removed in a future version.

SEE ALSO

`longjmp()`, `setjmp()`, `siglongjmp()`, `sigsetjmp()`

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

COPYRIGHT

Portions of this text are reprinted and reproduced in electronic form from IEEE Std 1003.1-2017, Standard for Information Technology -- Portable Operating System Interface (POSIX), The Open Group Base Specification

cations Issue 7, 2018 Edition, Copyright (C) 2018 by the Institute of Electrical and Electronics Engineers, Inc and The Open Group. In the event of any discrepancy between this version and the original IEEE and The Open Group Standard, the original IEEE and The Open Group Standard is the referee document. The original Standard can be obtained online at <http://www.opengroup.org/unix/online.html> .

Any typographical or formatting errors that appear in this page are most likely to have been introduced during the conversion of the source files to man page format. To report such errors, see https://www.kernel.org/doc/man-pages/reporting_bugs.html .

IEEE/The Open Group

2017

_LONGJMP(3P)