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Rocky Enterprise Linux 9.2 Manual Pages on command 'confstr.3'

\$ man confstr.3

CONFSTR(3) Linux Programmer's Manual CONFSTR(3)

NAME

confstr - get configuration dependent string variables

SYNOPSIS

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

```
size_t confstr(int name, char *buf, size_t len);
```

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

```
confstr(): _POSIX_C_SOURCE >= 2 || _XOPEN_SOURCE
```

DESCRIPTION

confstr() gets the value of configuration-dependent string variables.

The name argument is the system variable to be queried. The following variables are supported:

`_CS_GNU_LIBC_VERSION` (GNU C library only; since glibc 2.3.2)

A string which identifies the GNU C library version on this system (e.g., "glibc 2.3.4").

`_CS_GNU_LIBPTHREAD_VERSION` (GNU C library only; since glibc 2.3.2)

A string which identifies the POSIX implementation supplied by this C library (e.g., "NPTL 2.3.4" or "linuxthreads-0.10").

`_CS_PATH`

A value for the `PATH` variable which indicates where all the POSIX.2 standard utilities can be found.

If `buf` is not `NULL` and `len` is not zero, `confstr()` copies the value of the string to `buf` truncated to `len - 1` bytes if necessary, with a null byte (`'\0'`) as terminator. This can be detected by comparing the return value of `confstr()` against `len`.

If `len` is zero and `buf` is `NULL`, `confstr()` just returns the value as defined below.

RETURN VALUE

If `name` is a valid configuration variable, `confstr()` returns the number of bytes (including the terminating null byte) that would be required to hold the entire value of that variable. This value may be greater than `len`, which means that the value in `buf` is truncated.

If `name` is a valid configuration variable, but that variable does not have a value, then `confstr()` returns 0. If `name` does not correspond to a valid configuration variable, `confstr()` returns 0, and `errno` is set to `EINVAL`.

ERRORS

`EINVAL` The value of `name` is invalid.

ATTRIBUTES

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

??

?Interface ? Attribute ? Value ?

??

?`confstr()` ? Thread safety ? MT-Safe ?

??

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

EXAMPLES

The following code fragment determines the path where to find the POSIX.2 system utilities:

```
char *pathbuf;

size_t n;

n = confstr(_CS_PATH, NULL, (size_t) 0);

pathbuf = malloc(n);

if (pathbuf == NULL)

    abort();

confstr(_CS_PATH, pathbuf, n);
```

SEE ALSO

getconf(1), sh(1), exec(3), fpathconf(3), pathconf(3), sysconf(3), system(3)

COLOPHON

This page is part of release 5.10 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/>.

GNU

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