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

\$ man canonicalize_file_name.3

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

NAME

canonicalize_file_name - return the canonicalized absolute pathname

SYNOPSIS

```
#define __GNU_SOURCE /* See feature_test_macros(7) */  
  
#include <stdlib.h>  
  
char *canonicalize_file_name(const char *path);
```

DESCRIPTION

The canonicalize_file_name() function returns a null-terminated string containing the canonicalized absolute pathname corresponding to path. In the returned string, symbolic links are resolved, as are . and .. pathname components. Consecutive slash (/) characters are replaced by a single slash.

The returned string is dynamically allocated by canonicalize_file_name() and the caller should deallocate it with free(3) when it is no longer required.

The call canonicalize_file_name(path) is equivalent to the call:

```
realpath(path, NULL);
```

RETURN VALUE

On success, canonicalize_file_name() returns a null-terminated string. On error (e.g., a pathname component is unreadable or does not exist), canonicalize_file_name() returns NULL and sets errno to indicate the error.

ERRORS

See realpath(3).

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?canonicalize_file_name() ? Thread safety ? MT-Safe ?

????????????????????????????????????????????????????????????????????

CONFORMING TO

This function is a GNU extension.

SEE ALSO

readlink(2), realpath(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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