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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'iconv\_open.3'***

**\$ man iconv\_open.3**

ICONV\_OPEN(3)

Linux Programmer's Manual

ICONV\_OPEN(3)

#### **NAME**

iconv\_open - allocate descriptor for character set conversion

#### **SYNOPSIS**

```
#include <iconv.h>

iconv_t iconv_open(const char *tocode, const char *fromcode);
```

#### **DESCRIPTION**

The iconv\_open() function allocates a conversion descriptor suitable for converting byte sequences from character encoding fromcode to character encoding tocode.

The values permitted for fromcode and tocode and the supported combinations are system-dependent. For the GNU C library, the permitted values are listed by the iconv --list command, and all combinations of the listed values are supported. Furthermore the GNU C library and the GNU libiconv library support the following two suffixes:

//TRANSLIT

When the string "//TRANSLIT" is appended to tocode, transliteration is activated.

This means that when a character cannot be represented in the target character set, it can be approximated through one or several similarly looking characters.

//IGNORE

When the string "//IGNORE" is appended to tocode, characters that cannot be represented in the target character set will be silently discarded.

The resulting conversion descriptor can be used with iconv(3) any number of times. It remains valid until deallocated using iconv\_close(3).

A conversion descriptor contains a conversion state. After creation using iconv\_open(),

the state is in the initial state. Using iconv(3) modifies the descriptor's conversion state. To bring the state back to the initial state, use iconv(3) with NULL as inbuf argument.

## RETURN VALUE

The iconv\_open() function returns a freshly allocated conversion descriptor. In case of error, it sets errno and returns (iconv\_t) -1.

## ERRORS

The following error can occur, among others:

EINVAL The conversion from fromcode to tocode is not supported by the implementation.

## VERSIONS

This function is available in glibc since version 2.1.

## 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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?iconv\_open() ? Thread safety ? MT-Safe locale ?

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## CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SUSv2.

## SEE ALSO

iconv(1), iconv(3), iconv\_close(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/>.