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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 com?mand`, 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 input 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

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