



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

**C:\>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 `to` 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)`.

??

?Interface ? Attribute ? Value ?

??

?`iconv_open()` ? Thread safety ? MT-Safe locale ?

??

#### 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 5.05 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/>.