



Linux Ubuntu 26.04 Manual Pages on command 'iconv_open.3'

\$ man iconv_open.3

iconv_open(3) Library Functions Manual iconv_open(3)

NAME

iconv_open - allocate descriptor for character set conversion

LIBRARY

Standard C library (libc, -lc)

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?` 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 re?

mains 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

ERRORS

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

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

?	Interface	?	Attribute	?	Value	?
?	Interface	?	Attribute	?	Value	?

[illegible]

? iconv open() ? Thread safety ? MT-Safe locale ?

[illegible]

POSIX.1-2008.

glibc 2.1. POSIX.1-2001, SUSv2.

iconv(1), iconv(3), iconv_close(3)

Linux man-pages 6.17

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