Red Hat Enterprise Linux Release 9.2 Manual Pages on 'iconv_open.3' command

$ 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 char?

    acter encoding tocode.

    The values permitted for fromcode and tocode and the supported combina?

    tions are system-dependent. For the GNU C library, the permitted val?

    ues 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, translitera?

        tion 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 num‐
ber 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 de‐
scriptor. 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 at‐
tributes(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

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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/.