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

$ man xcrypt.3

XCRYPT(3)   Linux Programmer's Manual   XCRYPT(3)

NAME

    xencrypt, xdecrypt, passwd2des - RFS password encryption

SYNOPSIS

    #include <rpc/des_crypt.h>

    void passwd2des(char *passwd, char *key);

    int xencrypt(char *secret, char *passwd);

    int xdecrypt(char *secret, char *passwd);

DESCRIPTION

    WARNING: Do not use these functions in new code. They do not achieve

    any type of acceptable cryptographic security guarantees.

    The function passwd2des() takes a character string passwd of arbitrary

    length and fills a character array key of length 8. The array key is

    suitable for use as DES key. It has odd parity set in bit 0 of each

    byte.   Both other functions described here use this function to turn

    their argument passwd into a DES key.

    The xencrypt() function takes the ASCII character string secret given

    in hex, which must have a length that is a multiple of 16, encrypts it

    using the DES key derived from passwd by passwd2des(), and outputs the

    result again in secret as a hex string of the same length.

    The xdecrypt() function performs the converse operation.

RETURN VALUE

    The functions xencrypt() and xdecrypt() return 1 on success and 0 on

error.

VERSIONS

These functions are available in glibc since version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see at?
tributes(7).

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?Interface                    ? Attribute    ? Value   ?
?????????????????????????????????????????????????????????????????
?passwd2des(), xencrypt(), xdecrypt()  ? Thread safety ? MT-Safe ?
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BUGS

The prototypes are missing from the abovementioned include file.

SEE ALSO

cbc_crypt(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/.

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