## Rocky Enterprise Linux 9.2 Manual Pages on command 'xdecrypt.3'

**$ man xdecrypt.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 accept?

   able 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  func?

   tion 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 attributes(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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