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

### \$ 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).

?passwd2des(), xencrypt(), xdecrypt() ? Thread safety ? MT-Safe ?

?Interface ? Attribute ? Value ?

### **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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