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 **attributes**(7).

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

BUGS
The prototypes are missing from the abovementioned include file.

SEE ALSO
cbc_crypt(3)

COLOPHON
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