

NAME

gnutls_cipher_encrypt3 - API function

SYNOPSIS

```
#include <gnutls/crypto.h>
```

```
int gnutls_cipher_encrypt3(gnutls_cipher_hd_t handle, const void * ptext, size_t ptext_len, void *
ctext, size_t * ctext_len, unsigned flags);
```

ARGUMENTS

gnutls_cipher_hd_t handle
is a **gnutls_cipher_hd_t** type

const void * ptext
the data to encrypt

size_t ptext_len
the length of data to encrypt

void * ctext the encrypted data

size_t * ctext_len
the length of encrypted data (initially must hold the maximum available size)

unsigned flags
flags for padding

DESCRIPTION

This function will encrypt the given data using the algorithm specified by the context. For block ciphers, *ptext_len* is typically a multiple of the block size. If not, the caller can instruct the function to pad the last block according to *flags*. Currently, the only available padding scheme is **GNUTLS_CIPHER_PADDING_PKCS7**.

If *ctext* is not **NULL**, it must hold enough space to store resulting cipher text. To check the required size, this function can be called with *ctext* set to **NULL**. Then *ctext_len* will be updated without performing actual encryption.

RETURNS

Zero or a negative error code on error.

SINCE

3.7.7

REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

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SEE ALSO

The full documentation for **gnutls** is maintained as a Texinfo manual. If the /usr/local/share/doc/gnutls/ directory does not contain the HTML form visit

<https://www.gnutls.org/manual/>