

NAME

gnutls_aead_cipher_encrypt - API function

SYNOPSIS

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

```
int gnutls_aead_cipher_encrypt(gnutls_aead_cipher_hd_t handle, const void * nonce, size_t nonce_len,
const void * auth, size_t auth_len, size_t tag_size, const void * ptext, size_t ptext_len, void * ctext,
size_t * ctext_len);
```

ARGUMENTS

gnutls_aead_cipher_hd_t handle

is a **gnutls_aead_cipher_hd_t** type.

const void * nonce

the nonce to set

size_t nonce_len

The length of the nonce

const void * auth

additional data to be authenticated

size_t auth_len

The length of the data

size_t tag_size

The size of the tag to use (use zero for the default)

const void * ptext

the data to encrypt

size_t ptext_len

The length of data to encrypt

void * ctext the encrypted data including authentication tag

size_t * ctext_len

the length of encrypted data (initially must hold the maximum available size, including space for tag)

DESCRIPTION

This function will encrypt the given data using the algorithm specified by the context. The output data will contain the authentication tag.

RETURNS

Zero or a negative error code on error.

SINCE

3.4.0

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/>