NAME

    gnutls_aead_cipher_encryptv - API function

SYNOPSIS

    #include <gnutls/crypto.h>

    int gnutls_aead_cipher_encryptv(gnutls_aead_cipher_hd_t *handle***, const void *** *nonce***, size_t** *nonce_len***, const giovec_t *** *auth_iov***, int** *auth_iovcnt***, size_t** *tag_size***, const giovec_t *** *iov***, int** *iovcnt***, 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 giovec_t * auth_iov
                additional data to be authenticated

    int auth_iovcnt
                The number of buffers in *auth_iov*

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

    const giovec_t * iov
                the data to be encrypted

    int iovcnt   The number of buffers in *iov*

    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 provided data buffers 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

3.6.3

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/