NAME

gnutls_record_get_state - API function

SYNOPSIS

#include <gnutls/gnutls.h>

int gnutls_record_get_state(gnutls_session_t *session***, unsigned** *read***, gnutls_datum_t *** *mac_key***, gnutls_datum_t *** *IV***, gnutls_datum_t *** *cipher_key***, unsigned char [8]** *seq_number***);**

ARGUMENTS

gnutls_session_t session

is a **gnutls_session_t** type

unsigned read if non-zero the read parameters are returned, otherwise the write

gnutls_datum_t * mac_key

the key used for MAC (if a MAC is used)

gnutls_datum_t * IV

the initialization vector or nonce used

gnutls_datum_t * cipher_key

the cipher key

unsigned char [8] seq_number

A 64-bit sequence number

DESCRIPTION

This function will return the parameters of the current record state. These are only useful to be provided to an external off-loading device or subsystem. The returned values should be considered constant and valid for the lifetime of the session.

In that case, to sync the state back you must call **gnutls_record_set_state()**.

RETURNS

GNUTLS_E_SUCCESS on success, or an error code.

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/