

NAME

gnutls_dtls_cookie_send - API function

SYNOPSIS

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

```
int gnutls_dtls_cookie_send(gnutls_datum_t *key, void *client_data, size_t client_data_size,  
gnutls_dtls_prestate_st *prestate, gnutls_transport_ptr_t ptr, gnutls_push_func push_func);
```

ARGUMENTS

gnutls_datum_t *key

is a random key to be used at cookie generation

void *client_data

contains data identifying the client (i.e. address)

size_t client_data_size

The size of client's data

gnutls_dtls_prestate_st *prestate

The previous cookie returned by **gnutls_dtls_cookie_verify()**

gnutls_transport_ptr_t ptr

A transport pointer to be used by *push_func*

gnutls_push_func push_func

A function that will be used to reply

DESCRIPTION

This function can be used to prevent denial of service attacks to a DTLS server by requiring the client to reply using a cookie sent by this function. That way it can be ensured that a client we allocated resources for (i.e. **gnutls_session_t**) is the one that the original incoming packet was originated from.

This function must be called at the first incoming packet, prior to allocating any resources and must be succeeded by **gnutls_dtls_cookie_verify()**.

RETURNS

the number of bytes sent, or a negative error code.

SINCE

3.0

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/>