

NAME

gnutls_record_send2 - API function

SYNOPSIS

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

```
ssize_t gnutls_record_send2(gnutls_session_t session, const void * data, size_t data_size, size_t pad,
unsigned flags);
```

ARGUMENTS

gnutls_session_t session
is a **gnutls_session_t** type.

const void * data
contains the data to send

size_t data_size
is the length of the data

size_t pad padding to be added to the record

unsigned flags
must be zero

DESCRIPTION

This function is identical to **gnutls_record_send()** except that it takes an extra argument to specify padding to be added the record. To determine the maximum size of padding, use **gnutls_record_get_max_size()** and **gnutls_record_overhead_size()**.

Note that in order for GnuTLS to provide constant time processing of padding and data in TLS1.3, the flag **GNUTLS_SAFE_PADDING_CHECK** must be used in **gnutls_init()**.

RETURNS

The number of bytes sent, or a negative error code. The number of bytes sent might be less than *data_size* . The maximum number of bytes this function can send in a single call depends on the negotiated maximum record size.

SINCE

3.6.3

REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

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

COPYRIGHT

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

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/>