

**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>

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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/>