

NAME

gnutls_record_send_file - API function

SYNOPSIS

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

```
ssize_t gnutls_record_send_file(gnutls_session_t session, int fd, off_t * offset, size_t count);
```

ARGUMENTS

gnutls_session_t session

is a **gnutls_session_t** type.

int fd file descriptor from which to read data.

off_t * offset Is relative to file offset, denotes the starting location for reading. after function returns, it point to position following last read byte.

size_t count is the length of the data in bytes to be read from file and send.

DESCRIPTION

This function sends data from *fd*. If KTLS (kernel TLS) is enabled, it will use the **sendfile()** system call to avoid overhead of copying data between user space and the kernel. Otherwise, this functionality is merely emulated by calling **read()** and **gnutls_record_send()**. If this implementation is suboptimal, check whether KTLS is enabled using **gnutls_transport_is_ktls_enabled()**.

If *offset* is NULL then file offset is incremented by number of bytes send, otherwise file offset remains unchanged.

RETURNS

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

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/>