

## NAME

gnutls\_record\_recv\_early\_data - API function

## SYNOPSIS

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

```
ssize_t gnutls_record_recv_early_data(gnutls_session_t session, void * data, size_t data_size);
```

## ARGUMENTS

gnutls\_session\_t session

is a **gnutls\_session\_t** type.

void \* data     the buffer that the data will be read into

size\_t data\_size

the number of requested bytes

## DESCRIPTION

This function can be used by a server to retrieve data sent early in the handshake processes when resuming a session. This is used to implement a zero-roundtrip (0-RTT) mode. It has the same semantics as **gnutls\_record\_recv()**.

This function can be called either in a handshake hook, or after the handshake is complete.

## RETURNS

The number of bytes received and zero when early data reading is complete. A negative error code is returned in case of an error. If no early data is received during the handshake, this function returns **GNUTLS\_E\_REQUESTED\_DATA\_NOT\_AVAILABLE**. The number of bytes received might be less than the requested

*data\_size* .

## SINCE

3.6.5

## 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/>