

**NAME**

gnutls\_record\_recv - API function

**SYNOPSIS**

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

```
ssize_t gnutls_record_recv(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 has the similar semantics with **recv()**. The only difference is that it accepts a GnuTLS session, and uses different error codes. In the special case that the peer requests a renegotiation, the caller will receive an error code of **GNUTLS\_E\_REHANDSHAKE**. In case of a client, this message may be simply ignored, replied with an alert **GNUTLS\_A\_NO\_RENEGOTIATION**, or replied with a new handshake, depending on the client's will. A server receiving this error code can only initiate a new handshake or terminate the session.

If **EINTR** is returned by the internal pull function (the default is **recv()**) then **GNUTLS\_E\_INTERRUPTED** will be returned. If **GNUTLS\_E\_INTERRUPTED** or **GNUTLS\_E\_AGAIN** is returned, you must call this function again to get the data. See also **gnutls\_record\_get\_direction()**.

**RETURNS**

The number of bytes received and zero on EOF (for stream connections). A negative error code is returned in case of an error. The number of bytes received might be less than the requested *data\_size*.

**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/>