

**NAME**

gnutls\_bye - API function

**SYNOPSIS**

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

```
int gnutls_bye(gnutls_session_t session, gnutls_close_request_t how);
```

**ARGUMENTS**

gnutls\_session\_t session

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

gnutls\_close\_request\_t how

is an integer

**DESCRIPTION**

Terminates the current TLS/SSL connection. The connection should have been initiated using **gnutls\_handshake()**. *how* should be one of **GNUTLS\_SHUT\_RDWR**, **GNUTLS\_SHUT\_WR**.

In case of **GNUTLS\_SHUT\_RDWR** the TLS session gets terminated and further receives and sends will be disallowed. If the return value is zero you may continue using the underlying transport layer. **GNUTLS\_SHUT\_RDWR** sends an alert containing a close request and waits for the peer to reply with the same message.

In case of **GNUTLS\_SHUT\_WR** the TLS session gets terminated and further sends will be disallowed. In order to reuse the connection you should wait for an EOF from the peer. **GNUTLS\_SHUT\_WR** sends an alert containing a close request.

Note that not all implementations will properly terminate a TLS connection. Some of them, usually for performance reasons, will terminate only the underlying transport layer, and thus not distinguishing between a malicious party prematurely terminating the connection and normal termination.

This function may also return **GNUTLS\_E\_AGAIN** or **GNUTLS\_E\_INTERRUPTED**; cf. **gnutls\_record\_get\_direction()**.

**RETURNS**

**GNUTLS\_E\_SUCCESS** on success, or an error code, see function documentation for entire semantics.

**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/>