

**NAME**

gnutls\_session\_get\_id2 - API function

**SYNOPSIS**

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

```
int gnutls_session_get_id2(gnutls_session_t session, gnutls_datum_t * session_id);
```

**ARGUMENTS**

gnutls\_session\_t session

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

gnutls\_datum\_t \* session\_id

will point to the session ID.

**DESCRIPTION**

Returns the TLS session identifier. The session ID is selected by the server, and in older versions of TLS was a unique identifier shared between client and server which was persistent across resumption. In the latest version of TLS (1.3) or TLS 1.2 with session tickets, the notion of session identifiers is undefined and cannot be relied for uniquely identifying sessions across client and server.

In client side this function returns the identifier returned by the server, and cannot be assumed to have any relation to session resumption. In server side this function is guaranteed to return a persistent identifier of the session since GnuTLS 3.6.4, which may not necessarily map into the TLS session ID value. Prior to that version the value could only be considered a persistent identifier, under TLS1.2 or earlier and when no session tickets were in use.

The session identifier value returned is always less than **GNUTLS\_MAX\_SESSION\_ID\_SIZE** and should be treated as constant.

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise an error code is returned.

**SINCE**

3.1.4

**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/>