NAME

gnutls_ext_register - API function

SYNOPSIS

#include <gnutls/gnutls.h>

int gnutls_ext_register(const char * *name***, int** *id***, gnutls_ext_parse_type_t** *parse_point***, gnutls_ext_recv_func** *recv_func***, gnutls_ext_send_func** *send_func***, gnutls_ext_deinit_data_func** *deinit_func***, gnutls_ext_pack_func** *pack_func***, gnutls_ext_unpack_func** *unpack_func***);**

ARGUMENTS

const char * name
> the name of the extension to register

int id
> the numeric TLS id of the extension

gnutls_ext_parse_type_t parse_point
> the parse type of the extension (see gnutls_ext_parse_type_t)

gnutls_ext_recv_func recv_func
> a function to receive the data

gnutls_ext_send_func send_func
> a function to send the data

gnutls_ext_deinit_data_func deinit_func
> a function deinitialize any private data

gnutls_ext_pack_func pack_func
> a function which serializes the extension's private data (used on session packing for resumption)

gnutls_ext_unpack_func unpack_func
> a function which will deserialize the extension's private data

DESCRIPTION

This function will register a new extension type. The extension will remain registered until **gnutls_global_deinit**() is called. If the extension type is already registered then **GNUTLS_E_ALREADY_REGISTERED** will be returned.

Each registered extension can store temporary data into the gnutls_session_t structure using **gnutls_ext_set_data**(), and they can be retrieved using **gnutls_ext_get_data**().

Any extensions registered with this function are valid for the client and TLS1.2 server hello (or encrypted extensions for TLS1.3).

This function is not thread safe.

RETURNS
   GNUTLS_E_SUCCESS on success, otherwise a negative error code.

SINCE
   3.4.0

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/