NAME

gnutls_server_name_get - API function

SYNOPSIS

#include <gnutls/gnutls.h>

int gnutls_server_name_get(gnutls_session_t *session***, void *** *data***, size_t *** *data_length***, unsigned int *** *type***, unsigned int** *indx***);**

ARGUMENTS

gnutls_session_t session
> is a **gnutls_session_t** type.

void * data   will hold the data

size_t * data_length
> will hold the data length. Must hold the maximum size of data.

unsigned int * type
> will hold the server name indicator type

unsigned int indx
> is the index of the server_name

DESCRIPTION

This function will allow you to get the name indication (if any), a client has sent. The name indication may be any of the enumeration gnutls_server_name_type_t.

If *type* is GNUTLS_NAME_DNS, then this function is to be used by servers that support virtual hosting, and the data will be a null terminated IDNA ACE string (prior to GnuTLS 3.4.0 it was a UTF-8 string).

If *data* has not enough size to hold the server name GNUTLS_E_SHORT_MEMORY_BUFFER is returned, and *data_length* will hold the required size.

 indx is used to retrieve more than one server names (if sent by the client). The first server name has an index of 0, the second 1 and so on. If no name with the given index exists GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE is returned.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, on UTF-8 decoding error **GNUTLS_E_IDNA_ERROR** is returned, otherwise a negative error code is returned.

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/