

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/>