

NAME

gnutls_x509_cert_get_name_constraints - API function

SYNOPSIS

```
#include <gnutls/x509.h>
```

```
int gnutls_x509_cert_get_name_constraints(gnutls_x509_cert_t cert, gnutls_x509_name_constraints_t nc,
unsigned int flags, unsigned int * critical);
```

ARGUMENTS

gnutls_x509_cert_t *cert*
should contain a **gnutls_x509_cert_t** type

gnutls_x509_name_constraints_t *nc*
The nameconstraints intermediate type

unsigned int *flags*
zero or **GNUTLS_EXT_FLAG_APPEND**

unsigned int * *critical*
the extension status

DESCRIPTION

This function will return an intermediate type containing the name constraints of the provided CA certificate. That structure can be used in combination with **gnutls_x509_name_constraints_check()** to verify whether a server's name is in accordance with the constraints.

When the *flags* is set to **GNUTLS_EXT_FLAG_APPEND**, then if the *nc* structure is empty this function will behave identically as if the flag was not set. Otherwise if there are elements in the *nc* structure then the constraints will be merged with the existing constraints following RFC5280 p6.1.4 (excluded constraints will be appended, permitted will be intersected).

Note that *nc* must be initialized prior to calling this function.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, **GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE** if the extension is not present, otherwise a negative error value.

SINCE

3.3.0

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/>