

**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](mailto: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/>