NAME

gnutls_x509_crt_get_name_constraints - API function

SYNOPSIS

#include <gnutls/x509.h>

int gnutls_x509_crt_get_name_constraints(gnutls_x509_crt_t *crt***, gnutls_x509_name_constraints_t** *nc***, unsigned int** *flags***, unsigned int *** *critical***);**

ARGUMENTS

gnutls_x509_crt_t crt
            should contain a **gnutls_x509_crt_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/