

gnutls\_x509\_ext\_import\_name\_constraints(3) gnutls gnutls\_x509\_ext\_import\_name\_constraints(3)

## NAME

gnutls\_x509\_ext\_import\_name\_constraints - API function

## SYNOPSIS

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

```
int gnutls_x509_ext_import_name_constraints(const gnutls_datum_t * ext,  
gnutls_x509_name_constraints_t nc, unsigned int flags);
```

## ARGUMENTS

const gnutls\_datum\_t \* ext  
a DER encoded extension

gnutls\_x509\_name\_constraints\_t nc  
The nameconstraints

unsigned int flags  
zero or **GNUTLS\_NAME\_CONSTRAINTS\_FLAG\_APPEND**

## DESCRIPTION

This function will return an intermediate type containing the name constraints of the provided NameConstraints extension. That 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\_NAME\_CONSTRAINTS\_FLAG\_APPEND**, then if the *nc* type 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>

## COPYRIGHT

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

## 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/>