

NAME

gnutls_x509_cidr_to_rfc5280 - API function

SYNOPSIS

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

```
int gnutls_x509_cidr_to_rfc5280(const char * cidr, gnutls_datum_t * cidr_rfc5280);
```

ARGUMENTS

const char * cidr

CIDR in RFC4632 format (IP/prefix), null-terminated

gnutls_datum_t * cidr_rfc5280

CIDR range converted to RFC5280 format

DESCRIPTION

This function will convert text CIDR range with prefix (such as '10.0.0.0/8') to RFC5280 (IP address in network byte order followed by its network mask). Works for both IPv4 and IPv6.

The resulting object is directly usable for IP name constraints usage, for example in functions **gnutls_x509_name_constraints_add_permitted** or **gnutls_x509_name_constraints_add_excluded**.

The data in datum needs to be deallocated using **gnutls_free()**.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise a negative error value.

SINCE

3.5.4

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/>