NAME

gnutls_x509_crt_get_subject_alt_name - API function

SYNOPSIS

#include <gnutls/x509.h>

int gnutls_x509_crt_get_subject_alt_name(gnutls_x509_crt_t *cert***, unsigned int** *seq***, void *** *san***, size_t *** *san_size***, unsigned int *** *critical***);**

ARGUMENTS

gnutls_x509_crt_t cert
>   should contain a **gnutls_x509_crt_t** type

unsigned int seq
>   specifies the sequence number of the alt name (0 for the first one, 1 for the second etc.)

void * san   is the place where the alternative name will be copied to

size_t * san_size
>   holds the size of san.

unsigned int * critical
>   will be non-zero if the extension is marked as critical (may be null)

DESCRIPTION

This function retrieves the Alternative Name (2.5.29.17), contained in the given certificate in the X509v3 Certificate Extensions.

When the SAN type is otherName, it will extract the data in the otherName's value field, and **GNUTLS_SAN_OTHERNAME** is returned. You may use **gnutls_x509_crt_get_subject_alt_othername_oid()** to get the corresponding OID and the "virtual" SAN types (e.g., **GNUTLS_SAN_OTHERNAME_XMPP**).

If an otherName OID is known, the data will be decoded. Otherwise the returned data will be DER encoded, and you will have to decode it yourself. Currently, only the RFC 3920 id-on-xmppAddr SAN is recognized.

RETURNS

the alternative subject name type on success, one of the enumerated **gnutls_x509_subject_alt_name_t**. It will return **GNUTLS_E_SHORT_MEMORY_BUFFER** if *san_size* is not large enough to hold the

value. In that case *san_size* will be updated with the required size. If the certificate does not have an Alternative name with the specified sequence number then **GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE** is returned.

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/