

**NAME**

gnutls\_x509\_cert\_get\_extension\_by\_oid - API function

**SYNOPSIS**

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

```
int gnutls_x509_cert_get_extension_by_oid(gnutls_x509_cert_t cert, const char * oid, unsigned indx,
void * buf, size_t * buf_size, unsigned int * critical);
```

**ARGUMENTS**

gnutls\_x509\_cert\_t cert

should contain a **gnutls\_x509\_cert\_t** type

const char \* oid

holds an Object Identified in null terminated string

unsigned indx In case multiple same OIDs exist in the extensions, this specifies which to send. Use (0) to get the first one.

void \* buf a pointer to a structure to hold the name (may be null)

size\_t \* buf\_size

initially holds the size of *buf*

unsigned int \* critical

will be non-zero if the extension is marked as critical

**DESCRIPTION**

This function will return the extension specified by the OID in the certificate. The extensions will be returned as binary data DER encoded, in the provided buffer.

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise a negative error code is returned. If the certificate does not contain the specified extension

**GNUTLS\_E\_REQUESTED\_DATA\_NOT\_AVAILABLE** will be 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/>