

gnutls_x509_cert_get_key_purpose_oid(3) gnutls gnutls_x509_cert_get_key_purpose_oid(3)

NAME

gnutls_x509_cert_get_key_purpose_oid - API function

SYNOPSIS

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

```
int gnutls_x509_cert_get_key_purpose_oid(gnutls_x509_cert_t cert, unsigned indx, void * oid, size_t * oid_size, unsigned int * critical);
```

ARGUMENTS

gnutls_x509_cert_t cert

should contain a **gnutls_x509_cert_t** type

unsigned indx This specifies which OID to return. Use (0) to get the first one.

void * oid a pointer to a buffer to hold the OID (may be null)

size_t * oid_size

initially holds the size of *oid*

unsigned int * critical

output flag to indicate criticality of extension

DESCRIPTION

This function will extract the key purpose OIDs of the Certificate specified by the given index. These are stored in the Extended Key Usage extension (2.5.29.37) See the GNUTLS_KP_* definitions for human readable names.

If *oid* is null then only the size will be filled. The *oid* returned will be null terminated, although *oid_size* will not account for the trailing null.

RETURNS

GNUTLS_E_SHORT_MEMORY_BUFFER if the provided buffer is not long enough, and in that case the *oid_size will be updated with the required size. On success 0 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/>