

gnutls\_x509\_crq\_get\_key\_purpose\_oid(3)          gnutls          gnutls\_x509\_crq\_get\_key\_purpose\_oid(3)

## NAME

gnutls\_x509\_crq\_get\_key\_purpose\_oid - API function

## SYNOPSIS

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

```
int gnutls_x509_crq_get_key_purpose_oid(gnutls_x509_crq_t crq, unsigned indx, void * oid, size_t * sizeof_oid, unsigned int * critical);
```

## ARGUMENTS

gnutls\_x509\_crq\_t crq

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

unsigned indx This specifies which OID to return, use (0) to get the first one

void \* oid a pointer to store the OID (may be **NULL**)

size\_t \* sizeof\_oid

initially holds the size of *oid*

unsigned int \* critical

output variable with critical flag, may be **NULL**.

## 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.

## RETURNS

**GNUTLS\_E\_SHORT\_MEMORY\_BUFFER** if the provided buffer is not long enough, and in that case the \* *sizeof\_oid* will be updated with the required size. On success 0 is returned.

## SINCE

2.8.0

## 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/>