

NAME

gnutls_x509_ext_import_key_usage - API function

SYNOPSIS

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

```
int gnutls_x509_ext_import_key_usage(const gnutls_datum_t * ext, unsigned int * key_usage);
```

ARGUMENTS

const gnutls_datum_t * ext

the DER encoded extension data

unsigned int * key_usage

where the key usage bits will be stored

DESCRIPTION

This function will return certificate's key usage, by reading the DER data of the keyUsage X.509 extension (2.5.29.15). The key usage value will ORed values of the:

**GNUTLS_KEY_DIGITAL_SIGNATURE, GNUTLS_KEY_NON_REPUDIATION,
GNUTLS_KEY_KEY_ENCIPHERMENT, GNUTLS_KEY_DATA_ENCIPHERMENT,
GNUTLS_KEY_KEY_AGREEMENT, GNUTLS_KEY_KEY_CERT_SIGN,
GNUTLS_KEY_CRL_SIGN, GNUTLS_KEY_ENCIPHER_ONLY,
GNUTLS_KEY_DECIPHER_ONLY.**

RETURNS

the certificate key usage, or a negative error code in case of parsing error. If the certificate does not contain the keyUsage extension **GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE** will be returned.

SINCE

3.3.0

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/>