NAME

gnutls_x509_crt_get_key_usage - API function

SYNOPSIS

#include <gnutls/x509.h>

int gnutls_x509_crt_get_key_usage(gnutls_x509_crt_t *cert***, unsigned int *** *key_usage***, unsigned int ***
*critical***);**

ARGUMENTS

gnutls_x509_crt_t cert

should contain a **gnutls_x509_crt_t** type

unsigned int * key_usage

where the key usage bits will be stored

unsigned int * critical

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

DESCRIPTION

This function will return certificate's key usage, by reading 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

zero on success, 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.

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/