

## NAME

gnutls\_cipher\_decrypt2 - API function

## SYNOPSIS

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

```
int gnutls_cipher_decrypt2(gnutls_cipher_hd_t handle, const void * ctext, size_t ctext_len, void *  
ptext, size_t ptext_len);
```

## ARGUMENTS

gnutls\_cipher\_hd\_t handle  
is a **gnutls\_cipher\_hd\_t** type

const void \* ctext  
the data to decrypt

size\_t ctext\_len  
the length of data to decrypt

void \* ptext the decrypted data

size\_t ptext\_len  
the available length for decrypted data

## DESCRIPTION

This function will decrypt the given data using the algorithm specified by the context. For block ciphers the *ctext\_len* must be a multiple of the block size. For the supported ciphers the plaintext data length will equal the ciphertext size.

Note that in AEAD ciphers, this will not check the tag. You will need to compare the tag sent with the value returned from **gnutls\_cipher\_tag()**.

## RETURNS

Zero or a negative error code on error.

## SINCE

2.12.0

## 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/>