

**NAME**

gnutls\_privkey\_decrypt\_data - API function

**SYNOPSIS**

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

```
int gnutls_privkey_decrypt_data(gnutls_privkey_t key, unsigned int flags, const gnutls_datum_t *  
ciphertext, gnutls_datum_t * plaintext);
```

**ARGUMENTS**

gnutls\_privkey\_t key

Holds the key

unsigned int flags

zero for now

const gnutls\_datum\_t \* ciphertext

holds the data to be decrypted

gnutls\_datum\_t \* plaintext

will contain the decrypted data, allocated with **gnutls\_malloc()**

**DESCRIPTION**

This function will decrypt the given data using the algorithm supported by the private key.

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise a negative error value.

**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/>