

**NAME**

gnutls\_privkey\_import\_ext2 - API function

**SYNOPSIS**

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

```
int gnutls_privkey_import_ext2(gnutls_privkey_t pkey, gnutls_pk_algorithm_t pk, void * userdata,  
gnutls_privkey_sign_func sign_fn, gnutls_privkey_decrypt_func decrypt_fn,  
gnutls_privkey_deinit_func deinit_fn, unsigned int flags);
```

**ARGUMENTS**

gnutls\_privkey\_t pkey

The private key

gnutls\_pk\_algorithm\_t pk

The public key algorithm

void \* userdata

private data to be provided to the callbacks

gnutls\_privkey\_sign\_func sign\_fn

callback for signature operations

gnutls\_privkey\_decrypt\_func decrypt\_fn

callback for decryption operations

gnutls\_privkey\_deinit\_func deinit\_fn

a deinitialization function

unsigned int flags

Flags for the import

**DESCRIPTION**

This function will associate the given callbacks with the **gnutls\_privkey\_t** type. At least one of the two callbacks must be non-null. If a deinitialization function is provided then flags is assumed to contain **GNUTLS\_PRIVKEY\_IMPORT\_AUTO\_RELEASE**.

Note that the signing function is supposed to "raw" sign data, i.e., without any hashing or preprocessing. In case of RSA the DigestInfo will be provided, and the signing function is expected to do the PKCS 1 1.5 padding and the exponentiation.

See also **gnutls\_privkey\_import\_ext3()**.

## RETURNS

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

## SINCE

3.1

## 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/>