

**NAME**

gnutls\_idna\_reverse\_map - API function

**SYNOPSIS**

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

```
int gnutls_idna_reverse_map(const char * input, unsigned ilen, gnutls_datum_t * out, unsigned flags);
```

**ARGUMENTS**

const char \* input

contain the ACE (IDNA) formatted domain name

unsigned ilen the length of the provided string

gnutls\_datum\_t \* out

the result in an null-terminated allocated UTF-8 string

unsigned flags

should be zero

**DESCRIPTION**

This function will convert an ACE (ASCII-encoded) domain name to a UTF-8 domain name.

If GnuTLS is compiled without IDNA support, then this function will return

**GNUTLS\_E\_UNIMPLEMENTED\_FEATURE**.

Note also, that this function will return an empty string if an empty string is provided as input.

**RETURNS**

A negative error code on error, or 0 on success.

**SINCE**

3.5.8

**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/>