

**NAME**

gnutls\_hmac\_init - API function

**SYNOPSIS**

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

```
int gnutls_hmac_init(gnutls_hmac_hd_t * dig, gnutls_mac_algorithm_t algorithm, const void * key,
size_t keylen);
```

**ARGUMENTS**

gnutls\_hmac\_hd\_t \* dig  
is a **gnutls\_hmac\_hd\_t** type

gnutls\_mac\_algorithm\_t algorithm  
the HMAC algorithm to use

const void \* key  
the key to be used for encryption

size\_t keylen the length of the key

**DESCRIPTION**

This function will initialize an context that can be used to produce a Message Authentication Code (MAC) of data. This will effectively use the current crypto backend in use by gnutls or the cryptographic accelerator in use.

Note that despite the name of this function, it can be used for other MAC algorithms than HMAC.

**RETURNS**

Zero or a negative error code on error.

**SINCE**

2.10.0

**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/>