

**NAME**

gnutls\_hash\_init - API function

**SYNOPSIS**

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

```
int gnutls_hash_init(gnutls_hash_hd_t * dig, gnutls_digest_algorithm_t algorithm);
```

**ARGUMENTS**

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

gnutls\_digest\_algorithm\_t algorithm  
the hash algorithm to use

**DESCRIPTION**

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

**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/>