

**NAME**

gnutls\_decode\_ber\_digest\_info - API function

**SYNOPSIS**

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

```
int gnutls_decode_ber_digest_info(const gnutls_datum_t * info, gnutls_digest_algorithm_t * hash,  
unsigned char * digest, unsigned int * digest_size);
```

**ARGUMENTS**

const gnutls\_datum\_t \* info

an RSA BER encoded DigestInfo structure

gnutls\_digest\_algorithm\_t \* hash

will contain the hash algorithm of the structure

unsigned char \* digest

will contain the hash output of the structure

unsigned int \* digest\_size

will contain the hash size of the structure; initially must hold the maximum size of  
*digest*

**DESCRIPTION**

This function will parse an RSA PKCS1 1.5 DigestInfo structure and report the hash algorithm used as well as the digest data.

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise an error code is returned.

**SINCE**

3.5.0

**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/>