

NAME

gnutls_cipher_suite_info - API function

SYNOPSIS

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

```
const char * gnutls_cipher_suite_info(size_t idx, unsigned char * cs_id, gnutls_kx_algorithm_t * kx,  
gnutls_cipher_algorithm_t * cipher, gnutls_mac_algorithm_t * mac, gnutls_protocol_t * min_version);
```

ARGUMENTS

size_t idx index of cipher suite to get information about, starts on 0.

unsigned char * cs_id
 output buffer with room for 2 bytes, indicating cipher suite value

gnutls_kx_algorithm_t * kx
 output variable indicating key exchange algorithm, or **NULL**.

gnutls_cipher_algorithm_t * cipher
 output variable indicating cipher, or **NULL**.

gnutls_mac_algorithm_t * mac
 output variable indicating MAC algorithm, or **NULL**.

gnutls_protocol_t * min_version
 output variable indicating TLS protocol version, or **NULL**.

DESCRIPTION

Get information about supported cipher suites. Use the function iteratively to get information about all supported cipher suites. Call with `idx=0` to get information about first cipher suite, then `idx=1` and so on until the function returns **NULL**.

RETURNS

the name of *idx* cipher suite, and set the information about the cipher suite in the output variables. If *idx* is out of bounds, **NULL** is returned.

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/>