NAME

gnutls_crypto_register_mac - API function

SYNOPSIS

#include <gnutls/crypto.h>

int gnutls_crypto_register_mac(gnutls_mac_algorithm_t *algorithm***, int** *priority***, gnutls_mac_init_func** *init***, gnutls_mac_setkey_func** *setkey***, gnutls_mac_setnonce_func** *setnonce***, gnutls_mac_hash_func** *hash***, gnutls_mac_output_func** *output***, gnutls_mac_deinit_func** *deinit***, gnutls_mac_fast_func** *hash_fast***);**

ARGUMENTS

gnutls_mac_algorithm_t algorithm
　　　　　　　　is the gnutls MAC identifier

int priority　　　is the priority of the algorithm

gnutls_mac_init_func init
　　　　　　　　A function which initializes the MAC

gnutls_mac_setkey_func setkey
　　　　　　　　A function which sets the key of the MAC

gnutls_mac_setnonce_func setnonce
　　　　　　　　A function which sets the nonce for the mac (may be **NULL** for common MAC algorithms)

gnutls_mac_hash_func hash
　　　　　　　　Perform the hash operation

gnutls_mac_output_func output
　　　　　　　　Provide the output of the MAC

gnutls_mac_deinit_func deinit
　　　　　　　　A function which deinitializes the MAC

gnutls_mac_fast_func hash_fast
　　　　　　　　Perform the MAC operation in one go

DESCRIPTION

This function will register a MAC algorithm to be used by gnutls. Any algorithm registered will override the included algorithms and by convention kernel implemented algorithms have priority of 90 and CPU-assisted of 80. The algorithm with the lowest priority will be used by gnutls.

DEPRECATED

since 3.7.0 it is no longer possible to override cipher implementation

RETURNS

GNUTLS_E_SUCCESS on success, otherwise a negative error code.

SINCE

3.4.0

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/